ALAMOS GOLD INC.
LYNN LAKE

# Lynn Lake Gold Project

## Annual Compliance Report

## Year 2025

March 23, 2026

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## List of Acronyms

| | |
|---|---|
| AEMP | Aquatic Effects Monitoring Plan |
| ARDMLMP | Acid Rock Drainage and Metal Leaching Management Plan |
| AQMP | Air Quality Management and Monitoring Plan |
| BMMP | Blasting Management and Monitoring Plan |
| CFP | Country Foods Plan |
| DFO | Fisheries and Oceans Canada |
| EA | Environmental Assessment |
| EAC | Environmental Advisory Committee |
| EEM | Environmental Effects Monitoring Plan |
| ERSPCP | Emergency Response and Spill Prevention and Contingency Plan |
| ESCP | Erosion and Sediment Control Plan |
| ExMP | Explosives Management Plan |
| FDS | Federal Decision Statement |
| FSP | Fish Salvage Plan |
| GHGMP | Greenhouse Gas Management Plan |
| GWMP | Groundwater Management and Monitoring Plan |
| HCRPP | Heritage and Cultural Resources Protection Plan |
| IAAC | Impact Assessment Agency Canada |
| IBA | Impact Benefit Agreement |
| IEM | Independent Environmental Monitor |
| LLGP | Lynn Lake Gold Project |
| ML | Metal Leaching |
| MMP | Management and Monitoring Plan |
| NAG | Non-Acid Generating |
| NOA | Notice of Alteration |
| NOC | Notice of Change |
| NVMP | Noise and Vibration Management and Monitoring Plan |
| PAG | Potentially Acid Generating |
| PDA | Project Development Area |
| SEP | Socio-Economic Plan |
| SMRP | Soil Management and Rehabilitation Plan |
| SWMMP | Surface Water Management and Monitoring Plan |
| TAP | Traffic Access Plan |
| VWMP | Vegetation and Weed Management Plan |
| WMMP | Wildlife Management and Monitoring Plan |
| WMP | Waste Management Plant |

**Executive Summary – English**

Alamos Gold Inc. (“Alamos”) is mandated to submit an annual report detailing its compliance with conditions outlined in the federal Decision Statement for the Lynn Lake Gold Project (the “Project”). Following receipt of all required federal and provincial approvals in 2023, and an amendment to the Decision Statement in August 2025, this reporting period reflects the first year of active construction and implementation of approved plans.

Construction of the Project commenced on February 5, 2025, including initial site development activities such as tree clearing, demolition of legacy infrastructure, and earthworks. Progress during the reporting period included advancement of key infrastructure components; however, activities were temporarily suspended from late May to October 2025 due to a mandatory evacuation due to wildfires and associated power outage. Despite this disruption, Alamos continued to meet applicable regulatory requirements and advance compliance-related activities where feasible.

Engagement with Indigenous Nations remained a central focus throughout 2025. Alamos continued regular Environmental Advisory Committee meetings with 13 Indigenous Nations and advanced relationship-building through ongoing engagement activities, including the execution of its second Lynn Lake Gold Project Impact Benefit Agreement, with Mathias Colomb Cree Nation. Engagement efforts supported regulatory submissions, implementation of management and monitoring plans, and incorporation of Indigenous input into Project planning and decision-making.

Follow-up programs were initiated in 2025 across key environmental disciplines, including surface water, groundwater, air quality, noise, vibration, wildlife, and geochemistry, with results summarized in supporting technical appendices. No updates to required plans or modifications to mitigation measures were necessary during the reporting period. No non-compliance events occurred during any of the follow-up monitoring program results for the 2025 monitoring period.

In summary, the 2025 Annual Compliance Report demonstrates Alamos’ continued commitment to environmental stewardship, regulatory compliance, and meaningful Indigenous engagement during the transition from pre-construction to active construction of the Project.

**Résumé- Français**

Alamos Gold Inc. (« Alamos ») est tenue de présenter un rapport annuel qui explique la façon dont la société satisfait aux conditions énoncées dans la déclaration de décision fédérale pour le projet aurifère de Lynn Lake (le « projet »). La période visée par le présent rapport, qui fait suite à l'obtention de toutes les autorisations fédérales et provinciales requises en 2023 et une modification à la déclaration de décision en août 2025, correspond à la première année de construction effective et de mise en œuvre des plans approuvés.

Les travaux de construction dans le cadre du projet ont débuté le 5 février 2025, y compris les activités initiales d'aménagement du terrain, telles que le déboisement, la démolition des anciennes infrastructures et le terrassement. Des progrès ont été réalisés pendant la période visée par le rapport, notamment l'avancement des travaux liés aux composantes clés des infrastructures. Cependant, les activités ont été suspendues temporairement de la fin mai à octobre 2025 en raison d'une évacuation obligatoire liée aux feux de forêt et à la coupure de courant qui en a résulté. Malgré cette interruption, Alamos a continué de respecter les exigences réglementaires applicables et de faire progresser les activités liées à la conformité dans la mesure du possible.

La mobilisation des nations autochtones est restée au cœur des priorités tout au long de 2025. Alamos a continué d'organiser régulièrement des réunions du Comité consultatif de l'environnement avec 13 nations autochtones et a renforcé ses relations dans le cadre d'activités de mobilisation, notamment la signature de sa deuxième entente sur les répercussions et les avantages, avec la Nation crie Mathias Colomb. Ces efforts de mobilisation ont permis d'étayer les documents réglementaires, de mettre en œuvre les plans de gestion et de surveillance et d'intégrer les observations des Autochtones dans la planification du projet et la prise de décision.

Des programmes de suivi ont été lancés en 2025 dans des domaines environnementaux clés, y compris les eaux de surface, les eaux souterraines, la qualité de l'air, le bruit, les vibrations, la faune et la géochimie. Les résultats de ces programmes sont résumés dans les annexes techniques jointes. Aucune mise à jour des plans requis ni aucune modification des mesures d'atténuation n'a été nécessaire au cours de la période visée par le rapport. Aucun cas de non-conformité n'a été constaté dans les résultats des programmes de suivi pour la période de surveillance 2025.

En résumé, le rapport annuel de conformité de 2025 souligne l'engagement d'Alamos en matière de gestion de l'environnement, de conformité réglementaire et de consultation des Autochtones pendant la transition entre la phase de préparation des travaux et la phase de construction effective du projet.

## 1. Introduction

Alamos Gold Inc. (Alamos) is required to submit an annual report for each reporting year (i.e., January 1-December 31 of the same calendar year). The first reporting year starts on the day the Minister of Environment issues the Decision Statement. Alamos has received the necessary provincial (March 6, 2023; Environment Act Licences No. 3391 [MacLellan site] and No. 3390 [Gordon site]) and federal (Impact Assessment Agency of Canada [IAAC], Decision Statement, March 5, 2023) environmental approvals for Alamos' Lynn Lake Gold Project (LLGP or "the Project").

The Project received a positive Decision Statement from IAAC under section 54 of the Canadian Environmental Assessment Act, 2012 on March 5, 2023, which was amended August 6, 2025 after the approval of the Lynn Lake Gold Project: Gordon Mine Pit Dewatering Notice of Alteration / Notice of Change. Specifically, the following changes were made to the Decision Statement:

- Condition 1.7 was amended to include the proposed changes to the definition of Designated Project,
- Conditions 3.5, 3.5.2, 3.6, 3.12.2, 3.12.2.1, 3.12.2.2, 3.13.1 and 3.14.4 were amended to update the language related to the pit-water discharge location,
- Condition 3.5.3 was added to prevent discharging pit water during spring spawning periods for fish, and
- Condition 3.12.3 was added to require monitoring at frequencies and at locations committed to in Alamos' information request responses.

This report includes details for the year 2025 relating to Alamos' compliance with the conditions outlined in the Federal Decision Statement (FDS), including activities undertaken, compliance with specific conditions, consultation (engagement) efforts, follow-up program information, results summary, and any modified or additional mitigation measures proposed or implemented.

With the conclusion and approval of the pre-construction conditional requirements, mine construction started February 5th, 2025, with tree clearing activities, demolition of legacy structures, and earthworks including limited blasting/production of non-acid generating (NAG) construction aggregate within the starter pit. Construction of the following features, mine components and infrastructure commenced during the 2025 monitoring period:

A. Temporary Construction Offices
B. Temporary Gatehouse
C. Site Access Road (Hwy to Site)
D. Starter Pit
E. Temporary Fuel Station
F. Temporary Haul Roads
G. Temporary Crushing Pad
H. Permanent Camp Pad
I. Main Process Plant Pad
J. Sump #2

Alamos' LLGP site was evacuated from the last week of May 2025 until October 2025 as required under the mandatory evacuation issued by the Municipality of Lynn Lake due to wildfire activity and resulting multi-month power outage in the region. During the evacuation period no construction activities occurred at the Project site.

Alamos' LLGP has an established Environmental Advisory Committee (EAC) with 13 local indigenous Nations that has been meeting regularly since 2023. Alamos' LLGP also participates in additional subcommittees with the Marcel Colomb First Nation as a result of the Impacts Benefits Agreement (IBA) signed in 2023. On March 5th, 2025, a second IBA with the Mathias Colomb Cree Nation was signed which includes subcommittee meetings that were not established in the reporting period.

## 2. Annual Reporting

This annual report is structured following the reporting requirements as outlined in Condition 2.10 of the Decision Statement, as follows:

*2.10 The Proponent shall prepare an annual report for each reporting year that sets out:*

- *2.10.1 the activities undertaken by the Proponent to comply with each of the conditions set out in this Decision Statement;*
- *2.10.2 how the Proponent complied with condition 2.1;*
- *2.10.3 for conditions set out in this Decision Statement for which consultation is a requirement, how the Proponent considered any views and information that the Proponent received during or as a result of the consultation, and the resources provided to support their participation in consultation activities;*
- *2.10.4 the information referred to in conditions 2.5 and 2.8 for each follow-up program;*
- *2.10.5 a summary of the available results of the follow-up program requirements identified in conditions 3.12, 3.13, 3.14, 3.15, 4.5, 4.6, 6.3, 6.4, 6.5, 9.3, 10.5 and 12.2;*
- *2.10.6 for any plan that is a requirement of a condition set out in this Decision Statement, any update(s) to the plan that have been made during the reporting year; and*
- *2.10.7 any modified or additional mitigation measure implemented or proposed to be implemented by the Proponent, as determined pursuant to condition 2.8.*

These requirements are addressed in Section 2.1 through 2.6.

### 2.1. Activities Undertaken to Comply with the Decision Statement as per Condition 2.10.1

Table 1 presents a list of the conditions included in the FDS for the Project and describes the activities that Alamos carried out during the reporting period to comply with the conditions

Table 1: List of Conditions and Activities Undertaken during the Reporting Period to Comply with the Federal Decision Statement Conditions

| Condition Number | Description | Activities Undertaken |
|---|---|---|
| 2.1 | The Proponent shall ensure that its actions in meeting the conditions set out in this Decision Statement during all phases of the Designated Project are considered in a careful and precautionary manner, promote sustainable development, are informed by the best information and knowledge available at the time the Proponent takes action, including policies, guidelines and directives and community and Indigenous knowledge , are based on methods and models that are recognized by standard-setting bodies, are undertaken by qualified individuals, and have applied the best available economically and technically feasible technologies. | Refer to Section 2.2 of this Annual Report. |
| 2.2 | The Proponent shall ensure that its actions in meeting the conditions set out in this Decision Statement are taken in a way that is consistent with any applicable recovery strategy and action plans for listed species at risk. | All actions taken during the reporting period adhered to the requirements of condition 2.2. |
| 2.3 | The Proponent shall, where consultation is a requirement of a condition set out in this Decision Statement:<br>2.3.1 provide a written notice of the opportunity for the parties being consulted to present their views and information on the subject matter of the consultation;<br>2.3.2 provide all information available and relevant to the scope and the subject matter of the consultation and a reasonable period of time agreed upon with the parties being consulted, not to be less than 30 days, to prepare their views and information;<br>2.3.3 undertake an impartial consideration of all views and information presented by the parties being consulted on the subject matter of the consultation; and<br>2.3.4 advise as soon as feasible the parties being consulted on how the views and information received have, or have not, been integrated into the subject matter of the consultation by the Proponent and provide a justification. | Refer to Section 2.3 of this Annual Report. |
| 2.4 | The Proponent shall, where consultation with Indigenous groups is a requirement of a condition set out in this Decision Statement, discuss with each Indigenous group with respect to the manner to satisfy the consultation requirements referred to in condition 2.3, including:<br>2.4.1 methods of notification;<br>2.4.2 the type of information, resources and the period of time to be provided when | Alamos has established the EAC with Indigenous Nations which included engagement on methods of communication, types of information to be provided, review timelines and discussion of views/information have been agreed upon. |

| Condition Number | Description | Activities Undertaken |
|---|---|---|
| | seeking input;<br>2.4.3 the process to be used by the Proponent to undertake impartial consideration of all views and information presented on the subject of the consultation; and<br>2.4.4 the period of time and the means to advise Indigenous groups of how their views and information were considered by the Proponent. | |
| 2.5 | The Proponent shall, where a follow-up program is a requirement of a condition set out in this Decision Statement, determine, as part of the development of each follow-up program and in consultation with Indigenous groups and any other parties being consulted during the development, the following information, unless otherwise specified in the condition:<br>2.5.1 the methodology, location, frequency, timing and duration of monitoring associated with the follow-up program;<br>2.5.2 the scope, content and frequency of reporting of the results of the follow-up program to the parties consulted for the development of the follow-up program;<br>2.5.3 the minimum frequency at which the follow-up program must be reviewed and, if necessary, updated;<br>2.5.4 the levels of environmental change relative to baseline that would require the Proponent to implement modified or additional mitigation measure(s), including instances where the Proponent may require Designated Project activities causing the environmental change to be stopped;<br>2.5.5 the technically and economically feasible mitigation measures to be implemented by the Proponent if monitoring conducted as part of the follow-up program shows that the levels of environmental change referred to in condition 2.5.4 have been reached or exceeded; and<br>2.5.6 the specific and measurable end points that must be achieved before the follow-up program can end. Those end points should indicate that the accuracy of the environmental assessment has been verified and/or that the mitigation measures are effective. | Refer to Conditions 3.12, 3.13, 3.14, 3.15, 4.5, 4.6, 6.3, 6.4, 6.5, 9.3, 10.5 and 12.2 below. |
| 2.6 | The Proponent shall update the information determined for each follow-up program pursuant to condition 2.5 during the implementation of each follow-up program, at the minimum frequency determined pursuant to condition 2.5.3 and in consultation | Refer to Conditions 3.12, 3.13, 3.14, 3.15, 4.5, 4.6, 6.3, 6.4, 6.5, 9.3, 10.5 and 12.2 below. |

| Condition Number | Description | Activities Undertaken |
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| | with Indigenous groups and any other parties being consulted during the development of each follow-up program. | |
| 2.7 | The Proponent shall provide details of the follow-up programs referred to in conditions 3.12, 3.13, 3.14, 3.15, 4.5, 4.6, 6.3, 6.4, 6.5, 9.3, 10.5 and 12.2, including the information determined for each follow-up program pursuant to condition 2.5, to the Agency and to Indigenous groups and any other parties being consulted during the development of each follow-up program prior to the implementation of each follow-up program. The Proponent shall also provide any update made pursuant to condition 2.6 to the Agency and to Indigenous groups and any other parties being consulted during the development of each follow-up program within 30 days of the follow-up program being updated. | Refer to Conditions 3.12, 3.13, 3.14, 3.15, 4.5, 4.6, 6.3, 6.4, 6.5, 9.3, 10.5 and 12.2 below. |
| 2.8 | The Proponent shall, where a follow-up program is a requirement of a condition set out in this Decision Statement:<br>2.8.1 implement the follow-up program according to the information determined pursuant to condition 2.5;<br>2.8.2 conduct monitoring and analysis to verify the accuracy of the environmental assessment as it pertains to the particular condition and/or to determine the effectiveness of any mitigation measure;<br>2.8.3 determine whether modified or additional mitigation measure(s) are required based on the monitoring and analysis undertaken pursuant to condition 2.8.2;<br>2.8.4 if modified or additional mitigation measure(s) are required pursuant to condition 2.8.3, develop and implement these mitigation measure(s) as soon as feasible and monitor them pursuant to condition 2.8.2. The Proponent shall notify the Agency in writing within 48 hours of any modified or additional mitigation measure being implemented. If the Proponent implements any additional or modified mitigation measure not previously submitted to the Agency pursuant to condition 2.5, the Proponent shall submit a detailed description of the measure(s) to the Agency within 7 days of their implementation; and<br>2.8.5 report all results of the follow-up program to the Agency no later than March 31 following each reporting year during which the follow-up program is | Follow-up programs that were implemented during the reporting period are discussed in Section 2.4 of this report. |

| Condition Number | Description | Activities Undertaken |
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| | implemented and, subject to information determined pursuant to 2.5.2, to the parties being consulted during the development of the follow-up program. | |
| 2.9 | Where consultation with Indigenous groups is a requirement of a follow-up program, the Proponent shall discuss the follow-up program with each group and shall determine, in consultation with each group, opportunities for their participation in the implementation of the follow-up program, including the conduct of monitoring, the analysis and reporting of follow-up results and the determination of whether modified or additional mitigation measure(s) are required, as set out in condition 2.8, and opportunities for training to support participation in monitoring. The Proponent shall permit the participation of any interested Indigenous group in the identified follow-up program and training. | Alamos provided the plans for follow-up programs (MMPs) to the EAC for review prior to finalizing them in January 2025. MMPs are living documents subject to adaptive management and future revision that will be shared with the EAC as part of ongoing engagement. |
| 2.10 | The Proponent shall prepare an annual report for each reporting year that sets out:<br>2.10.1 the activities undertaken by the Proponent to comply with each of the conditions set out in this Decision Statement;<br>2.10.2 how the Proponent complied with condition 2.1;<br>2.10.3 for conditions set out in this Decision Statement for which consultation is a requirement, how the Proponent considered any views and information that the Proponent received during or as a result of the consultation, and the resources provided to support their participation in consultation activities;<br>2.10.4 the information referred to in conditions 2.5 and 2.8 for each follow-up program;<br>2.10.5 a summary of the available results of the follow-up program requirements identified in conditions 3.12, 3.13, 3.14, 3.15, 4.5, 4.6, 6.3, 6.4, 6.5, 9.3, 10.5 and 12.2;<br>2.10.6 for any plan that is a requirement of a condition set out in this Decision Statement, any update(s) to the plan that have been made during the reporting year; and<br>2.10.7 any modified or additional mitigation measure implemented or proposed to be implemented by the Proponent, as determined pursuant to condition 2.8. | Submission of this report. |

| Condition Number | Description | Activities Undertaken |
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| 2.11 | The Proponent shall submit to the Agency the annual report referred to in condition 2.10, including a plain language executive summary in both official languages, no later than March 31 following the reporting year to which the annual report applies. | Submission of this report. |
| 2.12 | The first reporting year for which the Proponent shall prepare an annual report pursuant to condition 2.10 shall start on the day the Minister of the Environment issues the Decision Statement pursuant to subsection 54 (1) of the *Canadian Environmental Assessment Act, 2012*. | Completed in the first reporting year. |
| 2.13 | The Proponent shall publish on the Internet, or any medium which is publicly available, the annual reports and the executive summaries referred to in conditions 2.10 and 2.11, the reports related to accidents and malfunctions referred to in conditions 12.6.4 and 12.6.5, the accident and malfunction communication plan referred to in condition 12.7, the schedules referred to in conditions 13.1 and 13.2, and any update or revision to the above documents, upon submission of these documents to the parties consulted in the respective conditions. The Proponent shall keep these documents publicly available for 25 years following the end of operation, or until the end of decommissioning of the Designated Project, whichever comes first. The Proponent shall notify the Agency and Indigenous groups in writing of the availability of these documents within 48 hours of their publication. | This report and other finalized documents are published on the LLGP website. https://lynnlake.alamosgold.com/ |
| 2.14 | When the development of any plan is a requirement of a condition set out in this Decision Statement, the Proponent shall submit the plan to the Agency and Indigenous groups prior to construction, unless otherwise required through the condition. | All plans were submitted to the Agency and EAC prior to the start of construction in February 2025. |
| 2.15 | The Proponent shall notify the Agency and Indigenous groups in writing no later than 30 days after the day on which there is any transfer of ownership, care, control or management of the Designated Project in whole or in part. | N/A: no transfer of ownership, care, control or management of the Designated Project in whole or in part occurred during reporting period. |
| 2.16 | If the Proponent is proposing to carry out the Designated Project in a manner other than described in condition 1.7, the Proponent shall notify the Agency and Indigenous groups in writing in advance. As part of the notification, the Proponent shall provide:<br>2.16.1 a description of the proposed change(s) to the Designated Project and the | One Notice of Alteration/Notice of Change (NOA/NOC) pertaining to the Gordon Mine Pit Dewatering was approved and two NOA/NOCs were submitted in the 2025 reporting period pertaining to the MacLellan |

| Condition Number | Description | Activities Undertaken |
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| | environmental effects that may result from the change(s);<br>2.16.2 any modified or additional measure to mitigate any environmental effect(s) that may result from the change(s) and any modified or additional follow-up requirement; and<br>2.16.3 an explanation of how, taking into account any modified or additional mitigation measure referred to condition 2.16.2, the environmental effects that may result from the change(s) may differ from the environmental effects of the Designated Project identified during the environmental assessment. | Mine Plan Amendment, and the Gordon Mine Plan Amendment. |
| 2.17 | The Proponent shall submit to the Agency any additional information required by the Agency about the proposed change(s) referred to in condition 2.16, which may include the results of consultation with Indigenous groups and relevant authorities on the proposed change(s) and environmental effects referred to in condition 2.16.1 and the modified or additional mitigation measures and follow-up requirements referred to in condition 2.16.2. | All required additional information about the proposed changes referred to in condition 2.16 were submitted to the Agency and EAC during the reporting period. |
| 3.1 | The Proponent shall develop, prior to construction and to the satisfaction of Fisheries and Oceans Canada and in consultation with Indigenous groups, and implement an offsetting plan to mitigate residual effects to fish and fish habitat associated with the carrying out of the Designated Project. The Proponent shall share the proposed plan with Indigenous groups at least 30 days prior to formal submission to Fisheries and Oceans Canada, and submit the approved offsetting plan to the Agency prior to implementation. | Fish Habitat Offsetting Plan shared with EAC for review/comments prior to submission to the Agency and Fisheries and Oceans Canada (DFO). No construction, which could impact fish or fish habitat has occurred. Plan pending approval by DFO. |
| 3.2 | The Proponent shall, for any fish habitat offsetting measure proposed in any offsetting plan referred to in condition 3.1 that may cause adverse environmental effects not considered in the environmental assessment, develop and implement, following consultation with Indigenous groups and relevant authorities, measures to mitigate those effects. The Proponent shall submit these measures to the Agency before implementing them. | Fish Habitat Offsetting Plan shared with EAC prior to submission to Agency and DFO. Fish Habitat Offsetting Plan pending approval by DFO. |
| 3.3 | The Proponent shall install exclusion screens on intake pipes prior to their operation, taking into account Fisheries and Oceans Canada's *Freshwater Intake End-of-Pipe Fish Screen Guideline*, and in a manner consistent with the Fisheries Act and its regulations. | Temporary surface water intakes were installed in the Keewatin River during the reporting period and were installed in a manner consistent with the Fisheries Act |

| Condition Number | Description | Activities Undertaken |
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| | | and its regulations, including the installation of an exclusion screen. |
| 3.4 | The Proponent shall develop, prior to construction and in consultation with relevant authorities, and implement and maintain, during all phases of the Designated Project, measures to mitigate any potential effects to water levels in Farley Lake and Gordon Lake due to groundwater drawdown resulting from Designated Project activities. In doing so, the Proponent shall intercept and/or redirect groundwater flowing towards the open pits with wells and/or other mitigation measures, as applicable, before it enters the open pits. The Proponent shall submit these measures to the Agency before implementing them. | Surface Water Management and Monitoring Plan (SWMMP) and Groundwater Management and Monitoring Plan's (GWMP) Version 0s for the Project were finalized in January 2025. |
| 3.5 | The Proponent shall, when releasing any collected water into Farley Lake and Gordon Lake and the Hughes River, including groundwater intercepted pursuant to condition 3.4 and water from dewatering the East and Wendy pit lakes:<br>3.5.1 aerate, or treat by other means, water collected from the East and Wendy pit lakes, prior to release into the Hughes River, in accordance with condition 3.7, to precipitate oxides, increase dissolved oxygen concentrations, and prevent chemical stratification; and<br>3.5.2 release collected water into Farley Lake, Gordon Lake, and the Hughes River in a manner that maintains the lake temperature at the point of release within baseline temperature variations to protect fish and fish habitat, unless otherwise authorized by Fisheries and Oceans Canada; and<br>3.5.3 release water collected from the East and Wendy pit lakes into the Hughes River outside the Fisheries and Oceans Canada's Manitoba restricted activity timing windows for spring spawning fish. | No water was collected or released at the Gordon site during the reporting period. |
| 3.6 | The Proponent shall adjust the rate of release of water into the Hughes River from dewatering the East and Wendy pit lakes and from groundwater intercepted pursuant to condition 3.4 in order to maintain lake levels within the range of natural variability predicted in Lynn Lake Gold Project: Gordon Mine Pit Dewatering Notice of Alteration / Notice of Change, dated February 9, 2024 (Canadian Impact Assessment Registry Reference Number 80140, document 131) and Volume 2 | No activities associated with the dewatering of the East and Wendy pit lakes occurred in the reporting period. |

| Condition Number | Description | Activities Undertaken |
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| | Chapter 10 of the Environmental Impact Statement (Canadian Impact Assessment Registry Reference Number 80140, document #54). | |
| 3.7 | The Proponent shall collect contact water and seepage from the Project development areas, including seepage and recharge from the tailings management facility, mine rock storage areas, overburden and ore stockpiles, and seepage input to groundwater that flows into the open pits, and treat it, as necessary, before releasing it into the receiving environment during all phases of the Designated Project to ensure that any deposits are made in accordance with the *Metal and Diamond Mining Effluent Regulations* and the pollution prevention provisions of the *Fisheries Act*. When treating contact water and seepage, the Proponent shall take into account Manitoba's *Water Quality Standards, Objectives, and Guidelines*, the Canadian Council of Ministers of the Environment's *Canadian Water Quality Guidelines of the Protection for Aquatic Life*, and Environment and Climate Change Canada's *Federal Environmental Quality Guidelines.* | No contact water was released into the receiving environment during the reporting period. |
| 3.8 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups and relevant authorities, measures to protect fish and fish habitat when undertaking activities in or near fish-bearing water bodies, in a manner that complies with any authorization issued under the *Fisheries Act* for the Designated Project. The Proponent shall implement these measures during all phases of the Designated Project. In doing so, the Proponent shall:<br>3.8.1 salvage and relocate fish prior to conducting any Designated Project activity requiring the removal of fish habitat, including dewatering;<br>3.8.2 conduct activities in or near fish-bearing water bodies in accordance with Fisheries and Oceans Canada's Manitoba Restricted Activity Timing Windows for the Protection of Fish and Fish Habitat and Measures to Protect Fish and Fish Habitat, unless otherwise authorized by relevant authorities;<br>3.8.3 maintain, during all phases of the Designated Project, a buffer of undisturbed vegetation of at least 30 meters from the high-water mark, as follows:<br>3.8.3.1 around fish-bearing water bodies, including wetlands, within and adjacent to the Project development areas that are not required to be removed for construction of the Designated Project, in a manner that complies with any authorization issued | No activities requiring fish salvage were conducted during the 2025 reporting period. As no construction components occurred in areas requiring fish salvage, the Fish Salvage Plan (FSP) was not implemented and there are no results to report for 2025.<br>Blasting activities were conducted in accordance with DFO's Manitoba Restricted Activity Timing Windows for the Protection of Fish and Fish Habitat and Measures to Protect Fish and Fish Habitat. |

| Condition Number | Description | Activities Undertaken |
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| | under the Fisheries Act; and<br>3.8.3.2 around wetlands, within and adjacent to the Project development areas that are not required to be removed for construction of the Designated Project, unless not technically or economically feasible. If work within 30 meters of wetlands is required, the Proponent shall use weight-distributing materials under machinery to limit soil compaction and give preference to using existing access roads to access areas near wetlands. | |
| 3.9 | The Proponent shall identify in consultation with Indigenous groups, prior to conducting the salvage and relocation of fish referred to in condition 3.8.1, opportunities for Indigenous groups to take part in, and determine their interest to take part in, the salvage and relocation of fish. | No fish salvages were conducted in the 2025 monitoring year. |
| 3.10 | The Proponent shall manage, during all phases of the Designated Project and in consultation with Environment and Climate Change Canada and any other relevant authorities, acid-generating and metal-leaching and potentially acid-generating and metal-leaching tailings and waste, including from the tailings management facility, mine rock storage areas and ore stockpiles. In doing so, the Proponent shall:<br>3.10.1 characterize, prior to construction, the acid rock drainage and metal-leaching potential of overburden and other mine rock to be used for construction;<br>3.10.2 only use materials that are not acid-generating, non-potentially acid-generating and non-metal-leaching during construction, including for earthworks and grading, unless not technically or economically feasible. If not technically or economically feasible, the Proponent shall preclude water and oxygen ingress into the materials used;<br>3.10.3 conduct geochemical testing of generated waste rock and tailings during operation to identify potentially acid-generating and metal-leaching waste material and verify the magnitude and onset of potential acid rock drainage in waste rock and tailings;<br>3.10.4 taking into account results of geochemical testing referred to in condition 3.10.3, implement measures to delay onset and magnitude of acid rock drainage in waste rock, including blending potentially acid generating with non-potentially acid generating during operation; and | In 2025, Alamos began using mine rock for construction and conducted geochemical testing of material at approximately every 10,000-ton increment. Material used for construction was confirmed as NAG, with no potentially acid-generating (PAG) or metal-leaching (ML) material encountered. |

| Condition Number | Description | Activities Undertaken |
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| | 3.10.5 cover all acid-generating, potentially acid-generating, and potentially metal-leaching tailings and waste, including waste in the tailings management facility and mine rock storage areas, during decommissioning with an oxygen-limiting barrier in a manner determined by a qualified individual. | |
| 3.11 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups and relevant authorities, and implement and maintain during all phases of the Designated Project, measures to control erosion and sedimentation within the Project development areas in a manner consistent with the *Fisheries Act* and its regulations, and taking into account Environment and Climate Change Canada's *Environmental Code of Practice for Metal Mines*, and Fisheries and Oceans Canada's *Measures to Protect Fish and Fish Habitat*. The Proponent shall submit these measures to the Agency before implementing them. As part of these measures, the Proponent shall:<br>3.11.1 install intake pipes pointing upwards and away from sediment; and<br>3.11.2 equip contact water discharge pipes with diffusers. | Measures to control erosion and sedimentation within the Project development areas are included in the Erosion and Sediment Control Plan (ESCP) (Version 0) finalized in January 2025. These measures and routine monitoring were implemented in 2025 to ensure that site conditions remained compliant with regulatory requirements. No exceedances or breaches of erosion and sediment control measures occurred during the reporting period. As a result, no adaptive management actions were required in 2025. Temporary intake pipes were installed pointing upwards and away from sediment. No contact water discharge pipes were installed during the reporting period. |
| 3.12 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups, Fisheries and Oceans Canada, Environment and Climate Change Canada and any other relevant authorities, a follow-up program to verify the accuracy of the environmental assessment and determine the effectiveness of the mitigation measures as they pertain to adverse environmental effects of the Designated Project on water quality, taking into account Environment and Climate Change Canada's *Metal Mine Technical Guidance for Environmental Effects Monitoring*. The Proponent shall implement the follow-up program during all phases of the Designated Project. As part of the follow-up program, the Proponent shall: | Consultation (Engagement) on proposed mitigation measures as they pertain to adverse environmental effects of the Designated Project on water quality took place prior to the 2025 reporting period. Comments were incorporated into the SWMMP and the GMMP which outline a follow-up program to verify the accuracy of the environmental assessment and determine the effectiveness of the |

| Condition Number | Description | Activities Undertaken |
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| | 3.12.1 determine, in consultation with Indigenous groups, Environment and Climate Change Canada, and any other relevant authorities, the location and extent of mixing zones in water bodies that may be affected by the Designated Project;<br>3.12.2 monitor water quality in the newly formed pit lakes, tailings management facility, mine rock storage areas, contact water collection ponds, and receiving water bodies and watercourses upstream and downstream of the Project development areas, including at the edge and downstream of the edge of mixing zones identified pursuant to condition 3.12.1, Arbor Lake, Burge Lake, Cockeram Lake, Ellystan Lake, Farley Creek, Farley Lake, Gordon Lake, the Hughes River, the Keewatin River, the unnamed tributary of the Keewatin River, Minton Lake, Payne Lake, Susan Lake and Swede Lake, for all contaminants that may have adverse effects on fish and fish habitat, including aluminum, antimony, arsenic, calcium, copper, cyanide, fluoride, hexavalent chromium, iron, magnesium, methylmercury, phosphorus, selenium, and total and dissolved cadmium. Monitoring shall be conducted as follows:<br>3.12.2.1 beginning during construction and continuing through decommissioning, except in the newly formed pit lakes; and<br>3.12.2.2 beginning during decommissioning and continuing through post-closure in the newly formed pit lakes, until water quality is stable and improving and any contact water or seepage potentially released meets the Canadian Council of Ministers of the Environment's *Canadian Water Quality Guidelines of the Protection for Aquatic Life* and Manitoba's *Water Quality, Standards, Objectives, and Guidelines* pursuant to condition 3.7;<br>3.12.3 monitor prior to and throughout the process of dewatering, at locations and frequencies described in Lynn Lake Gold Project: Monitoring Program for Gordon Pit Dewatering to the Hughes River (Version 1) (Canadian Impact Assessment Registry Reference Number 80140, document 144) all contaminants that may have adverse effects on fish and fish habitat, including aluminum, antimony, arsenic, calcium, copper, cyanide, fluoride, hexavalent chromium, iron, magnesium, methylmercury, phosphorus, selenium, and total and dissolved cadmium. In doing so, offer any opportunities for Indigenous group participation in this monitoring discussed pursuant to condition 2.9; | mitigation measures as they pertain to adverse environmental effects of the Designated Project on water quality. Both plans (Version 0) were finalized in January 2025 and implemented in 2025 as required during the reporting period. |

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| | 3.12.4 monitor, beginning during construction, water quality in groundwater near the open pits, Farley Lake, Gordon Lake, the Keewatin River, the unnamed tributary of the Keewatin River, Minton Lake, the unnamed lakes northeast of Minton Lake, Payne Lake, Pump Lake and Susan Lake, up and down gradient from the tailings management facility, mine rock storage areas, ore and overburden stockpiles, and seepage collection systems. Monitoring shall be conducted for all contaminants that may have adverse effects on fish and fish habitat, including antimony, arsenic, iron, sodium, sulphate, and uranium at the Gordon site and aluminum, antimony, arsenic, cobalt, total cyanide, iron, lead, nitrate, nitrite, sodium, and sulphate at the MacLellan site;<br>3.12.5 monitor, during construction and operation, total suspended solids and turbidity in fish-bearing water bodies where Designated Project activities are undertaken in or near water frequented by fish; and<br>3.12.6 develop, in consultation with relevant authorities, and implement modified or additional mitigation measures, if the results of monitoring conducted pursuant to condition 3.12.2, 3.12.3 and 3.12.4 demonstrate any unanticipated effects attributable to the Designated Project, taking into account the Canadian Council of Ministers of the Environment's *Canadian Water Quality Guidelines of the Protection for Aquatic Life* or Manitoba's *Water Quality Standards, Objectives, and Guidelines*, whichever is most protective of fish and fish habitat, and predicted concentrations identified in Volume 1 Chapter 9 of the Environmental Impact Statement. | |
| 3.13 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups, Fisheries and Oceans Canada, Environment and Climate Change Canada and any other relevant authorities, a follow-up program to verify the accuracy of the environmental assessment and determine the effectiveness of the mitigation measures as they pertain to adverse environmental effects of the Designated Project on water quantity. The Proponent shall implement the follow-up program during all phases of the Designated Project. As part of the follow-up program, the Proponent shall:<br>3.13.1 monitor, during all phases of the Designated Project, surface water instantaneous flows, lake levels and pH levels within Arbor Lake, Burge Lake, Cockeram Lake, Ellystan Lake, Farley Creek, Farley Lake, Gordon Lake, the Keewatin | Engagement on proposed mitigation measures as they pertain to adverse environmental effects of the Designated Project on water quantity took place prior to the 2025 reporting period. Comments were incorporated into the SWMMP and the GMMP which outline a follow-up program to verify the accuracy of the environmental assessment and determine the effectiveness of the mitigation measures as they pertain to adverse environmental |

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| | River, the unnamed tributary of the Keewatin River, Minton Lake, Payne Lake, Susan Lake, Swede Lake, fish-bearing wetlands within the local assessment areas, the East and Wendy pit lakes, newly formed pit lakes, the tailings management facility, and contact water collection ponds to verify the environmental assessment predictions identified in Volume 2 Chapter 10 of the Environmental Impact Statement and Appendix A Attachment IAAC-48 of the Proponent's IR Responses Round 1, Package 1 (Canadian Impact Assessment Registry Reference Number 80140, document #54);<br>3.13.2 monitor, during all phases of the Designated Project, groundwater levels, gradients and hydraulic conductivity of all hydrogeological units, as identified in the groundwater model in Volume 5 Appendix F and G of the Environmental Impact Statement, with well depths ranging from near surface to a minimum of 115 meters below ground to characterize contaminant transport via groundwater at the depth of the groundwater model for the Designated Project. Monitoring wells shall be installed near the open pits, the tailings management facility, mine rock storage areas, ore and overburden stockpiles, and fish-bearing wetlands within the local assessment areas that intersect with the Project development areas; and<br>3.13.3 develop, in consultation with relevant authorities, and implement modified or additional mitigation measures, if the results of monitoring conducted pursuant to condition 3.13.1 and 3.13.2 demonstrate unanticipated effects attributable to the Designated Project. | effects of the Designated Project on water quantity. Both plans (Version 0) were finalized in January 2025 and implemented in 2025 as required during the reporting period. |
| 3.14 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups, Fisheries and Oceans Canada, Environment and Climate Change Canada and any other relevant authorities, a follow-up program to determine the effectiveness of the mitigation measures and verify the accuracy of the environmental assessment predictions identified in Volume 2 Chapter 10 of the Environmental Impact Statement as they pertain to adverse environmental effects of the Designated Project on fish and fish habitat, taking into account Environment and Climate Change Canada's *Metal Mine Technical Guidance for Environmental Effects Monitoring*. The Proponent shall implement the follow-up program during all phases of the Designated Project. As part of the follow-up program, the Proponent shall:<br>3.14.1 monitor, during all phases of the Designated Project, water temperature in Farley Creek, Farley Lake, Gordon Lake, the Hughes River, the Keewatin River, | Engagement on proposed mitigation measures as they pertain to adverse environmental effects of the Designated Project on fish and fish habitat took place prior to the 2025 reporting period. Comments were incorporated into the Aquatic Effects Monitoring Plan (AEMP) which outlines a follow-up program to determine the effectiveness of the mitigation measures and verify the accuracy of the environmental assessment predictions as they pertain to adverse |

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| | Minton Lake, the new diversion channel, and any additional locations identified in consultation with relevant authorities, taking into account predictions in Volume 2 Chapter 10 of the Environmental Impact Statement;<br>3.14.2 monitor total invertebrate density, taxon richness, Simpson's Evenness Index, Bray-Curtis Index, and chlorophyll a to characterize benthic invertebrate, plankton and periphyton communities in Farley Creek, Farley Lake, Gordon Lake, the Hughes River, the Keewatin River, Minton Lake, the new diversion channel, and any additional locations identified in consultation with Indigenous groups and relevant authorities, for the detection of project-related changes in nutrient and contaminant levels, taking into account predictions in Volume 2 Chapter 10 of the Environmental Impact Statement;<br>3.14.3 identify, in consultation with Indigenous groups, Fisheries and Oceans Canada and any other relevant authorities, fish species to monitor, including species used for traditional purposes by Indigenous groups. Species shall include northern pike (*Esox lucius*), lake whitefish (*Coregonus clupeaformis*), and white sucker (*Catostomus commersonii*); and<br>3.14.4 monitor, starting prior to construction and during all phases of the Designated Project, fish habitat quality and quantity end points for all species identified pursuant to condition 3.14.3, in Farley Creek, Farley Lake, Gordon Lake, the Keewatin River, Minton Lake, the new diversion channel, fish-bearing wetlands within and downstream of the Project development areas, and any additional locations identified in consultation with Indigenous groups and relevant authorities. | environmental effects of the Designated Project on fish and fish habitat. The AEMP (Version 0) was finalized in January 2025 and implemented in 2025 as required during the reporting period.<br>No monitoring activities pertaining to the AEMP and Environmental Effects Monitoring Plan (EEM) were conducted during the reporting period as a result of no contact water generated and no discharge occurred in 2025. |
| 3.15 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups and relevant authorities, a follow-up program to verify the accuracy of the environmental assessment and the effectiveness of the mitigation measures as they pertain to acid rock drainage and metal leaching into the receiving environment from the Project development areas, including from the mine rock storage areas, ore stockpiles, and the tailings management facility. The Proponent shall implement the follow-up program during all phases of the Designated Project. In doing so, the Proponent shall:<br>3.15.1 verify that the covers installed at the mine rock storage areas and tailings management facility pursuant to condition 3.10.5 perform and continue to perform | Engagement on proposed mitigation measures as they pertain to acid rock drainage and metal leaching took place prior to the 2025 reporting period.<br>Comments were incorporated into the Acid Rock Drainage and Metal Leaching Management Plan (ARDMLMP) which outlines a follow-up program to verify the accuracy of the environmental assessment and the effectiveness of the mitigation |

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| | as predicted in Volume 1 Chapter 5 of the Environmental Impact Statement during all phases of the Designated Project, including post-closure. | measures as they pertain to acid rock drainage and metal leaching into the receiving environment from the Project development areas. The ARDMLMP (Version 0) was finalized in January 2025 and implemented in 2025 as required during the reporting period. |
| 4.1 | The Proponent shall carry out the Designated Project in a manner that protects migratory birds and avoids injuring, killing or harassing migratory birds or destroying, taking or disturbing their eggs, or damaging, destroying, removing or disturbing their nests, taking into account Environment and Climate Change Canada's *Guidelines to avoid harm to migratory birds*. | Majority of tree clearing in the reporting period occurred within the appropriate timing window for the protection of migratory birds. Limited tree clearing occurred in May 2025 within the restrictive timing window following breeding behaviour and nest surveys. Results are presented in the Wildlife Management and Monitoring Plan (WMMP) - Annual Report (Appendix E) for the 2025 reporting period. |
| 4.2 | The Proponent shall mitigate distribution line strikes of migratory birds within the Project development areas. In doing so, the Proponent shall:<br>4.2.1 identify high-risk locations for avian distribution line strikes prior to construction in consultation with a qualified individual;<br>4.2.2 route new distribution lines away from high-risk locations identified pursuant to condition 4.2.1; and<br>4.2.3 increase distribution line visibility to migratory birds at high-risk locations identified pursuant to condition 4.2.1, from the beginning of construction until distribution lines are decommissioned, taking into account the Avian Power Line Interaction Committee's *Suggested Practices for Avian Protection on Power Lines*. | No distribution lines were commissioned in the reporting period. The WMMP (Version 0) outlines all mitigations for identified high-risk locations prior to distribution line construction start. |
| 4.3 | The Proponent shall control lighting during all phases of the Designated Project, including aiming lighting downwards at nighttime and selecting lighting that avoids attracting insects, to mitigate adverse effects on migratory birds, while meeting health and safety requirements for Designated Project employees and contractors. | Measures to mitigate adverse effects on migratory birds, including controlling lighting during all phases of the Designated Project, are outlined in the WMMP and |

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| | | implemented in 2025 as required during the reporting period. |
| 4.4 | The Proponent shall develop, in consultation with Indigenous groups and relevant authorities and taking into account Environment and Climate Change Canada's *Guide for Developing Beneficial Management Practices for Migratory Bird Conservation*, and implement, from the beginning of operation, measures to prevent migratory birds from using Designated Project infrastructure where contact water is stored or conveyed, including the tailings management facility and contact water collection management ponds. In doing so, the Proponent shall:<br>4.4.1 install deterrents near Designated Project infrastructure where contact water is stored or conveyed, including the tailings management facility and contact water collection ponds; and<br>4.4.2 maintain deterrents installed pursuant to condition 4.4.1 until such time that Designated Project infrastructure where contact water is stored or conveyed, including the tailings management facility and contact water collection ponds, have been reclaimed pursuant to conditions 3.10.5 and 5.7. | N/A: operation did not begin during the reporting period. |
| 4.5 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups and relevant authorities, a follow-up program to verify the accuracy of the environmental assessment and to determine the effectiveness of all mitigation measures to avoid harm to migratory birds, their eggs and nests, including the mitigation measures used to comply with conditions 4.1 through 4.3. The Proponent shall implement the follow-up program during all phases of the Designated Project. | Engagement on proposed mitigation measures used to comply with conditions 4.1 through 4.3 took place prior to the 2025 reporting period. Comments were incorporated into the WMMP which outlines a follow-up program to verify the accuracy of the environmental assessment and determine the effectiveness of the mitigation measures to avoid harm to migratory birds, their eggs and nests. The WMMP (Version 0) was finalized in January 2025 and implemented in 2025 as required during the reporting period. |
| 4.6 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups and relevant authorities, a follow-up program to verify the | Engagement on proposed mitigation measures as they pertain to condition 4.4 |

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| | accuracy of the environmental assessment and to determine the effectiveness of mitigation measures implemented pursuant to condition 4.4. In doing so, the Proponent shall:<br>4.6.1 monitor, from the beginning of operation until such time that the tailings management facility and contact water collection ponds have been reclaimed, migratory birds usage of Designated Project infrastructure where contact water is stored or conveyed pursuant to condition 4.4; and<br>4.6.2 develop, in consultation with Indigenous groups and relevant authorities, and implement modified or additional mitigation measures, including deterrents, if the results of the monitoring conducted pursuant to condition 4.6.1 demonstrate migratory bird usage of Designated Project infrastructure where contact water is stored or conveyed. These measures shall be implemented until such time that the tailings management facility and contact water collection ponds have been reclaimed, and results of water quality monitoring for these structures conducted pursuant to condition 3.12.2 show that water quality objectives established in consultation with Indigenous groups and relevant authorities, taking into account an ecological risk-based approach, are met. | took place prior to the 2025 reporting period. Comments were incorporated into the WMMP which outlines a follow-up program to verify the accuracy of the environmental assessment and determine the effectiveness of the mitigation measures implemented pursuant to condition 4.4. The WMMP (Version 0) was finalized in January 2025 and implemented in 2025 as required during the reporting period. |
| 5.1 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups, measures to mitigate adverse impacts from the Designated Project on access to lands and resources used for traditional purposes, including the implementation of safe access point(s) and/or routes within the local assessment areas. The Proponent shall submit these measures to the Agency prior to construction. | Resource Access Protocol developed and sent to Indigenous Nations for review/comment prior to the reporting period. Finalized and submitted to IAAC in January 2025 (prior to construction start). |
| 5.2 | The Proponent shall avoid disturbing sites of traditional or cultural importance within or near the Project development areas, except for the construction of Designated Project components. In doing so, the Proponent shall:<br>5.2.1 identify, in consultation with Indigenous groups, the location of sites of traditional or cultural importance within or near the Project development areas;<br>5.2.2 provide opportunities to Indigenous groups, prior to construction and at times determined in consultation with each Indigenous group, to:<br>5.2.2.1 harvest and transplant, during seasons where plants can be identified and | The Heritage and Cultural Resources Protection Plan (HCRPP) and Socio-Economic Plan (SEP) were developed and sent to Indigenous Nations for review/comment prior to the reporting period. Both plans (Version 0) were finalized in January 2025 (prior to construction start). |

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| | harvested, plant species used for traditional purposes from areas that will be cleared of vegetation; and<br>5.2.2.2 conduct ceremonies for any sites of traditional or cultural importance that will be disturbed by any Designated Project activities. | |
| 5.3 | The Proponent shall prohibit, during all phases of the Designated Project, Designated Project employees and contractors from fishing and hunting within the Project development areas or using the Project development areas to access surrounding areas with the intent to fish or hunt, unless an employee or contractor is provided access by the Proponent for exercising Aboriginal rights. | During the reporting period, Alamos prohibited employees and contractors from fishing and hunting within the Project development areas or using the Project development areas to access surrounding areas with the intent to fish or hunt. |
| 5.4 | The Proponent shall develop, prior to construction, and implement, during all phases of the Designated Project, a protocol for inspecting and cleaning vehicles, machinery and equipment associated with the Designated Project that have come from other worksites in order to limit the introduction and spread of weed species within the Project development areas. | Equipment Arrival Inspection and Cleaning Protocol was finalized in January 2025 (prior to construction start) and implemented in 2025 as required during the reporting period. |
| 5.5 | The Proponent shall identify days of traditional or cultural importance in consultation with Indigenous groups, and modify the blasting schedule for the Designated Project to minimize or avoid disturbance to current use of lands and resources by Indigenous groups, unless not technically or economically feasible. | All blasting that occurred during the reporting period adhered to the requirements of condition 5.5. |
| 5.6 | The Proponent shall, when implementing measures to limit the introduction and spread of weed species within the Project development areas, use measures other than broadcast spraying when applying herbicides to mitigate effects to plant species used for traditional purposes by Indigenous groups, unless the Proponent determines that these measures are ineffective at controlling the introduction and spread of weed species. | N/A: no herbicides were applied to limit the introduction and spread of weed species within the Project development areas during the reporting period. |
| 5.7 | The Proponent shall undertake, in consultation with Indigenous groups and relevant authorities, progressive reclamation of areas disturbed by the Designated Project. In doing so, the Proponent shall:<br>5.7.1 identify, in consultation with Indigenous groups, plant species native to the local assessment areas and plant species used for traditional purposes, to use for revegetation; | Final Closure Plan for the MacLellan site was approved in January 2025. Rehabilitation Plan and Vegetation and Weed Management Plan (VWMP) were developed and sent to Indigenous Nations for |

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| | 5.7.2 establish performance standards for reclaimed areas, including that the areas be self-sustaining, reduce establishment of weed species, restore native species assemblages, and reduce erosion of exposed soils; and<br>5.7.3 monitor reclaimed areas for a minimum of five years during post-closure or until performance standards established pursuant to condition 5.7.2 are met. | review/comment prior to being finalized in January 2025.<br>The monitoring and mitigation measures outlined in the VWMP were implemented in 2025. No revegetation activities and no regulated weed infestations were identified within the Project Development Area (PDA) during this time. No additional locations of Species of Conservation Concern were impacted during construction activities.<br>Seed collection was conducted at the MacLellan site to support potential future reclamation activities. A total of 462 g of jack pine seed (approximately 130,000 viable seeds) and 2,118 g of black spruce seed (approximately 2.2 million viable seeds) were collected and are currently stored in a forestry laboratory for future use in site reclamation. |
| 6.1 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups and relevant authorities, measures to mitigate emissions of dust and fugitive particulates within the Project development areas, taking into account the standards and criteria set out in the Canadian Council of Ministers of the Environment's *Canadian Ambient Air Quality Standards* and Manitoba's *Ambient Air Quality Criteria*. The Proponent shall implement these measures from construction through decommissioning. In doing so, the Proponent shall:<br>6.1.1 apply dust suppressants, including water, that do not contain chemicals and have the least potential for adverse environmental effects, on haul and access roads during periods when dust generation is expected or occurring, including periods of drought and high winds;<br>6.1.2 locate all stationary machinery and equipment used for processing ore indoors, where technically and economically feasible, including the crushing plant and | Engagement on proposed measures to mitigate emissions of dust and fugitive particulates within the Project development areas took place prior to the 2025 reporting period. Comments were incorporated into the Air Quality Management and Monitoring Plan (AQMMP). The AQMMP (Version 0) was finalized in January 2025 and implemented in 2025 as required during the reporting period.<br>Site roads were watered when required for dust control while the site was active.<br>Policies were implemented to ensure |

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| | conveyors feeding into the ore milling and processing plant;<br>6.1.3 ensure all equipment and vehicles used, including equipment and vehicles operated by third-party contractors, are serviced and maintained in accordance with the manufacturer's maintenance guidelines to meet or exceed applicable emission standards, including Tier 4 emission standards for off-road equipment with off-road diesel engines, pursuant to the *Off-Road Compression-Ignition (Mobile and Stationary) and Large Spark-Ignition Engine Emission Regulations* and *Off-Road Compression-Ignition Engine Emission Regulations*;<br>6.1.4 develop and implement policies to reduce the fuel consumption of equipment and vehicles operating in the Project development areas, including no-idling and limited cold start policies; and<br>6.1.5 establish speed limits on the roads located in the Project development areas, taking into account the recommended speed limits in Environment and Climate Change Canada's *Best Practices for the Reduction of Air Emissions from Construction and Demolition Activities* and by requiring and ensuring that speed limits are respected, including by installing signs indicating speed limits. | machinery, equipment, and vehicles operated on site adhere to condition 6.1. |
| 6.2 | The Proponent shall implement measures, during all phases of the Designated Project, to avoid exceedances of the thresholds for noise and vibration, identified in Health Canada's *Guidance for Evaluating Human Health Impacts in Environmental Assessment: Noise* at sensitive receptors identified in the human health and ecological risk assessment in Volume 5 of the Environmental Impact Statement. In doing so, the Proponent shall:<br>6.2.1 develop, prior to construction, a protocol for receiving and addressing feedback related to the exposure to noise and vibration generated by the Designated Project. The Proponent shall provide the protocol to the Agency and Indigenous groups prior to construction, and make the protocol publicly available online. As part of the protocol, the Proponent shall:<br>6.2.1.1 identify how a person may provide feedback, how the Proponent will handle the feedback received, including ranking and responding to feedback received according to the anticipated level of impacts, and how the Proponent may implement modified or additional mitigation measures(s) and/or follow-up requirement(s) in response to the feedback received; | The Noise and Vibration Monitoring Plan (NVMP) including the Feedback Protocol were developed and sent to Indigenous Nations for review/comment prior to the reporting period. Comments on proposed measures to avoid exceedances of the thresholds for noise and vibration were incorporated into the NVMP. The NVMP (Version 0) was finalized in January 2025 and implemented in 2025 as required during the reporting period. |

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| | 6.2.1.2 record any feedback received as soon as feasible, no later than 48 hours after receiving the feedback; and<br>6.2.1.3 implement, as soon as technically feasible, any modified or additional mitigation measure and/or follow-up requirement that the Proponent deems necessary to respond to the feedback received. | |
| 6.3 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups, Health Canada, Environment and Climate Change Canada and any other relevant authorities, a follow-up program to verify the accuracy of the environmental assessment as it pertains to adverse environmental effects from the Designated Project on air quality and country foods as it relates to the health of Indigenous peoples, taking into account available Indigenous knowledge provided by Indigenous groups related to current use of lands and resources for traditional purposes. The Proponent shall implement the follow-up program during all phases of the Designated Project. As part of the implementation of the follow-up program, the Proponent shall:<br>6.3.1 identify, in consultation with Indigenous groups, the species of fish, vegetation and wildlife consumed as country foods that may be adversely affected by the Designated Project and the locations where these species shall be monitored;<br>6.3.2 monitor, beginning prior to construction and continuing through post-closure, contaminants of potential concern, including arsenic, copper, mercury, methylmercury and selenium, in the species and at the locations identified pursuant to condition 6.3.1;<br>6.3.3 monitor, throughout construction and operation, ambient air concentrations of total suspended particulates, PM10 and PM2.5 at locations identified in consultation with Indigenous groups, and upwind and downwind from the Project development areas, taking into account 24-hour and 1-hour thresholds in the Canadian Council of Ministers of the Environment's *Canadian Ambient Air Quality Standards*;<br>6.3.4 monitor, during all phases of the Designated Project, dustfall at locations identified in consultation with Indigenous groups, and upwind and downwind from the Project development areas;<br>6.3.5 monitor ambient air concentrations of nitrogen dioxide (NO2) at locations | Engagement on a proposed follow-up program to verify the accuracy of the environmental assessment as it pertains to adverse environmental effects from the Designated Project on air quality and country foods as it relates to the health of Indigenous peoples took place prior to the 2025 reporting period. Comments were incorporated into the AQMMP and Country Foods Plan (CFP) which outlines a follow-up program to adhere to the requirements of condition 6.3. Both plans (Version 0) were finalized in January 2025 and implemented in 2025 as required during the reporting period. |

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| | identified in consultation with Indigenous groups and relevant authorities, for at least two consecutive months during year 2 of operation, and continue to monitor during all phases of the Designated Project if the monitoring results exceed predicted levels in the atmospheric dispersion model in Volume 1 Chapter 6 of the Environmental Impact Statement;<br>6.3.6 monitor meteorological conditions (including wind speed, wind direction, temperature and relative humidity) upwind and downwind of the Project development areas, during construction and operation; and<br>6.3.7 if the monitoring results referred to in conditions 6.3.2 to 6.3.5 exceed predicted levels in the atmospheric dispersion model in Volume 1 Chapter 6 of the Environmental Impact Statement, taking into account the results of monitoring meteorological conditions pursuant to condition 6.3.6, the human health and ecological risk assessment in Volume 5 of the Environmental Impact Statement, or thresholds of the Canadian Council of Ministers of the Environment's *Canadian Ambient Air Quality Standards*, modify or implement additional mitigation measures pursuant to condition 2.8, and update the human health and ecological risk assessment in Volume 5 of the Environmental Impact Statement. The Proponent shall submit any updates to the human health and ecological risk assessment to the Agency and relevant authorities. | |
| 6.4 | The Proponent shall develop, in consultation with Indigenous groups, and implement a follow-up program to verify the accuracy of the environmental assessment and determine the effectiveness of the mitigation measures as it pertains to adverse effects on the socio-economic conditions of Indigenous peoples from changes to the environment caused by the Designated Project. The Proponent shall solicit and incorporate additional information provided by Indigenous groups when monitoring these effects. The Proponent shall implement the follow-up program during all phases of the Designated Project. As part of the follow-up program, the Proponent shall:<br>6.4.1 monitor, based on the information provided by Indigenous groups that are trapping, harvesting, fishing or hunting within the local assessment areas, including Marcel Colomb First Nation and holders of registered trap lines: | Engagement on a proposed follow-up program to verify the accuracy of the environmental assessment and determine the effectiveness of the mitigation measures as it pertains to adverse effects on the socio-economic conditions of Indigenous peoples from changes to the environment caused by the Designated Project took place prior to the 2025 reporting period. Comments were incorporated into the SEP which outlines a follow-up program to adhere to the requirements of condition 6.4. The SEP (Version 0) was finalized in |

| Condition Number | Description | Activities Undertaken |
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| | 6.4.1.1 the ability of trappers, harvesters, fishers and hunters to relocate, if required to do so, to new trapping, harvesting, fishing and hunting sites used for traditional purposes, including registered trap lines;<br>6.4.1.2 the quantity and quality of resources obtained through trapping, harvesting, fishing and hunting activities; and<br>6.4.1.3 the changes in socio-economic conditions of Indigenous groups, including any additional financial costs incurred by Marcel Colomb First Nation and holders of registered trap lines, as they relate to the relocation of trapping, harvesting, fishing and hunting activities. | January 2025 and implemented in 2025 as required during the reporting period. |
| 6.5 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups and relevant authorities, a follow-up program to verify the accuracy of the environmental assessment and determine the effectiveness of mitigation measures as it pertains to noise and vibration from the Designated Project on the health of Indigenous peoples. The Proponent shall implement the follow-up program during all phases of the Designated Project. As part of the follow-up program, the Proponent shall:<br>6.5.1 monitor noise and vibration levels at receptors identified in Volume 1 Chapter 7 Tables 7-7 to 7-10 of the Environmental Impact Statement, and at any other human receptors identified in consultation with Indigenous groups. | Engagement on a proposed follow-up program to verify the accuracy of the environmental assessment and determine the effectiveness of the mitigation measures as it pertains to noise and vibration from the Designated Project on the health of Indigenous peoples took place prior to the 2025 reporting period. Comments were incorporated into the NVMP which outlines a follow-up program to adhere to the requirements of condition 6.5. The NVMP (Version 0) was finalized in January 2025 and implemented in 2025 as required during the reporting period. |
| 7.1 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups and relevant authorities, and implement, during all phases of the Designated Project, an archaeological and heritage resource management plan for any structures, sites or things of historical, archaeological, paleontological or architectural significance discovered within the Project development areas. As part of the archaeological and heritage resource management plan, the Proponent shall:<br>7.1.1 immediately halt work at the location of the discovery, except for actions required to be undertaken to protect the integrity of the discovery; | The HCRPP was developed and sent to Indigenous Nations for review/comment prior to the reporting period. The HCRPP (Version 0) was finalized in January 2025 and implemented in 2025 as required during the reporting period.<br>During the 2025 reporting period, no chance finds of heritage or cultural |

| Condition Number | Description | Activities Undertaken |
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| | 7.1.2 delineate an area of at least 50 metres around the discovery as a no-work zone;<br>7.1.3 inform the Agency and Indigenous groups in writing within 24 hours of the discovery, and allow Indigenous groups to monitor and participate in archaeological works;<br>7.1.4 have a qualified individual, whose expertise pertains to the requirements of Manitoba's *Heritage Resources Act*, conduct an assessment at the location of the discovery, including sampling and construction monitoring on landforms of similar historic potential to the discovery site(s) within the Project development areas that are planned for development, prior to development in these areas; and<br>7.1.5 consult with Indigenous groups and relevant authorities on the manner by which to comply with all applicable legislative or legal requirements and protocols respecting the discovery, recording, transferring and safekeeping of previously unidentified structures, sites or things of historical, archaeological, paleontological or architectural significance. | resources were recorded and no reports of chance finds were needed to be submitted to regulatory authorities as required under provincial legislation and shared with interested Indigenous Nations and stakeholders. All operators involved in clearing or grubbing activities completed heritage and cultural resource identification and mitigation training to ensure ongoing protection of sensitive sites. |
| 7.2 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups, nation-specific measures to address the effects described in the Environmental Assessment Report caused by the Designated Project on cultural heritage, including tangible and intangible losses to culture. The Proponent shall implement the measures during all phases of the Designated Project and submit these measures to the Agency prior to implementing them, while ensuring that confidential information is protected. The Proponent shall report its discussions with Indigenous groups as part of the annual report referred to in condition 2.10, including the level of satisfaction of Indigenous groups with the implementation of the measures. As part of the measures, the Proponent shall:<br>7.2.1 develop and/or contribute to Indigenous-led program(s) and/or initiative(s) to preserve and enhance cultural heritage, including the transfer of intergenerational knowledge; and<br>7.2.2 develop, in collaboration with Indigenous groups, cultural awareness training for all employees associated with the Designated Project, including the cultural setting and providing an understanding of cultural practices, protocols and considerations. | In 2025, Alamos implemented nation-specific cultural heritage measures through ongoing Indigenous engagement and cultural awareness initiatives. Cultural awareness training was provided to Project personnel, addressing the regional cultural setting and reinforcing understanding of cultural practices, protocols, and considerations relevant to Indigenous Nations. These measures are outlined in the HCRPP and SEP were developed and sent to Indigenous Nations for review/comment prior to the reporting period. Both plans (Version 0) were finalized in January 2025. Refer to Section 2.3 of this report. |

| Condition Number | Description | Activities Undertaken |
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| 8.1 | The Proponent shall establish, prior to construction and in consultation with Indigenous groups, and maintain, during all phases of the Designated Project, an Indigenous Environmental Advisory Committee (IEAC) related to ongoing Designated Project activities, including land use planning, and the development and implementation of follow-up programs, and mitigation measures. The Proponent shall invite Indigenous groups to engage in all IEAC activities, and shall consult participating Indigenous groups on the development of Terms of Reference for the IEAC. The Proponent shall strive to reach consensus on the Terms of Reference with participating Indigenous groups. The Proponent shall submit the final Terms of Reference to the Agency. As part of the Terms of Reference, the Proponent shall include:<br>8.1.1 the means by which the Proponent and Indigenous groups shall jointly identify topics to be discussed by the IEAC and the means by which the Proponent shall document these topics and discussions;<br>8.1.2 the frequency, timing and location of IEAC meetings during each phase of the Designated Project and the means by which the Proponent shall document meeting minutes and shall seek approval of the meeting minutes by Indigenous groups;<br>8.1.3 the means by which the Proponent shall share with the IEAC the following information, including when and how this information will be shared:<br>8.1.3.1 opportunities for participating in ongoing Designated Project activities, including land use planning, and the development and implementation of follow-up programs and mitigation measures;<br>8.1.3.2 opportunities for providing feedback on effects to cultural heritage, in accordance with condition 7.2, and how feedback will be addressed;<br>8.1.3.3 the results of the follow-up programs, including any modified or additional mitigation measures implemented or proposed to be implemented by the Proponent as a result of each follow-up requirement; and<br>8.1.3.4 other information as determined by the IEAC; and<br>8.1.4 the means by which the Proponent shall evaluate, in consultation with Indigenous groups, the Terms of Reference to determine whether administrative or management improvements are required to increase the efficiency and effectiveness of the IEAC. | Alamos established the EAC with Indigenous Nations in 2023, and methods of communication, types of document sharing, discussion of views/comments, and review timelines have been agreed upon in accordance with condition 8.1. Since the first EAC meeting on October 23, 2023, Alamos has hosted nine EAC meetings including four held during the reporting period. |

| Condition Number | Description | Activities Undertaken |
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| 9.1 | [Removed, *Budget Implementation Act, 2024*]<br>9.1.1 [Removed, *Budget Implementation Act, 2024*]<br>9.1.2 [Removed, *Budget Implementation Act, 2024*]<br>9.1.3 [Removed, *Budget Implementation Act, 2024*]<br>9.1.4 [Removed, *Budget Implementation Act, 2024*] | N/A: condition removed. |
| 9.2 | [Removed, *Budget Implementation Act, 2024*]<br>9.2.1 [Removed, *Budget Implementation Act, 2024*]<br>9.2.2 [Removed, *Budget Implementation Act, 2024*]<br>9.2.3 [Removed, *Budget Implementation Act, 2024*] | N/A: condition removed. |
| 9.3 | [Removed, *Budget Implementation Act, 2024*] | N/A: condition removed. |
| 10.1 | The Proponent shall conduct, prior to construction and in consultation with Indigenous groups and relevant authorities, pre-construction surveys within the Project development areas to identify woodland caribou (*Rangifer tarandus caribou*) calving and calf-rearing habitat. | Completed prior to the reporting period. |
| 10.2 | The Proponent shall monitor, during all phases of the Designated Project, woodland caribou (*Rangifer tarandus caribou*) usage of the Project development areas, and provide monitoring results to Indigenous groups, Environment and Climate Change Canada, Manitoba Environment, Climate and Parks and any other relevant authorities. | During the reporting period, Alamos monitored Boreal woodland caribou (*Rangifer tarandus caribou*) usage of the Project development areas. Monitoring results are included in the Wildlife Management and Monitoring Plan - Annual Report (Appendix F) for the 2025 reporting period and were shared with Indigenous Nations. The results will also be shared with relevant authorities through the submission of this annual report. |
| 10.3 | The Proponent shall participate, during construction and operation and at the request of Manitoba Environment, Climate and Parks or any other relevant authorities responsible for these initiatives, in regional initiatives related to the management of adverse effects on woodland caribou (*Rangifer tarandus caribou*). Regional initiatives in which the Proponent shall participate include:<br>10.3.1 habitat restoration initiatives, including a collaring program, conducted as | A collaring agreement with the province was signed prior to construction. The agreement is followed accordingly. During the reporting period Alamos continued to participate in the provincial collaring program related to |

| Condition Number | Description | Activities Undertaken |
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| | part of the Provincial Caribou Recovery Strategy led by Manitoba Natural Resources and Northern Development, or any equivalent future initiative as determined by Manitoba Natural Resources and Northern Development. | the management of adverse effects on Boreal woodland caribou. |
| 10.4 | The Proponent shall develop and implement, during all phases of the Designated Project and in consultation with Indigenous groups, Environment and Climate Change Canada and any other relevant authorities, measures to mitigate adverse effects from the Designated Project on woodland caribou (*Rangifer tarandus caribou*) and its habitat, taking into account calving and calf-rearing habitat identified pursuant to condition 10.1, results from monitoring woodland caribou (*Rangifer tarandus caribou*) usage of the Project development areas pursuant to condition 10.2, and available results from any regional initiatives in which the Proponent participates pursuant to condition 10.3. The Proponent shall submit these measures to the Agency prior to implementation, and the measures shall include:<br>10.4.1 conducting site clearing activities outside of the woodland caribou (*Rangifer tarandus caribou*) calving and calf-rearing period (May 1 to June 30), unless otherwise authorized by relevant authorities;<br>10.4.2 giving preference to avoiding the destruction or alteration of habitat over minimizing the destruction or alteration of habitat, to minimizing the destruction or alteration of habitat over restoring altered or destroyed habitat on-site, and to restoring altered or destroyed habitat on-site over offsetting for habitat that must be removed as a result of Designated Project activities; and<br>10.4.3 as part of progressive reclamation referred to in condition 5.7, removing and reclaiming all linear features when they are no longer required for the Designated Project, to impede woodland caribou (*Rangifer tarandus caribou*) predator access to linear features in the Project development areas, including the distribution line right of way, and any access roads identified in consultation with Indigenous groups and relevant authorities as no longer being used for other purposes. | Engagement on proposed measures to mitigate adverse effects from the Designated Project on Boreal woodland caribou and its habitat took place prior to the 2025 reporting period. Comments were incorporated into the WMMP which outlines measures and monitoring to adhere to the requirements of condition 10.4. The WMMP (Version 0) was finalized in January 2025 and implemented in 2025 as required during the reporting period. |
| 10.5 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups and relevant authorities, a follow-up program to verify the accuracy of the environmental assessment and determine the effectiveness of all | Engagement on a proposed follow-up program to verify the accuracy of the environmental assessment and determine |

| Condition Number | Description | Activities Undertaken |
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| | mitigation measures related to adverse effects from the Designated Project on habitat, health and survival for woodland caribou (*Rangifer tarandus caribou*), including the mitigation measures used to comply with conditions 10.1 to 10.4. The Proponent shall implement the follow-up program during all phases of the Designated Project. | the effectiveness of all mitigation measures related to adverse effects from the Designated Project on habitat, health and survival for Boreal woodland caribou took place prior to the 2025 reporting period. Comments were incorporated into the WMMP which outlines a follow-up program to adhere to the requirements of condition 10.5. The WMMP (Version 0) was finalized in January 2025 and implemented in 2025 as required during the reporting period. |
| 11.1 | The Proponent shall retain, prior to construction, the services of a third-party independent environmental monitor, who is a qualified individual with a minimum of five years of experience as it pertains to environmental monitoring in Manitoba and who has a minimum of two years of experience working with Indigenous groups. The Proponent shall require the independent environmental monitor to independently observe and maintain a record of the implementation of the conditions set out in this Decision Statement during construction and operation and to report findings to the Proponent. | A third-party independent environmental monitor (IEM) was retained prior to construction. The IEM conducted oversight activities at the LLGP throughout 2025. The IEM provided objective review of environmental management and monitoring programs and supported verification that mitigation measures were implemented as intended. |
| 11.2 | The Proponent shall require the independent environmental monitor to report to the Agency and Indigenous groups, in writing, prior to or concurrent with the reporting to the Proponent referred to in condition 11.1, about the implementation of any condition set out in this Decision Statement during construction and operation. The Proponent shall require the independent environmental monitor to report the information to the Agency and Indigenous groups at a frequency and in a format determined in consultation with the Agency. | Third-party IEM reported required information to the Agency and Indigenous Nations during the reporting period. |
| 11.3 | The Proponent shall require the independent environmental monitor to retain the information reported to the Proponent, the Agency and Indigenous groups pursuant to conditions 11.1 and 11.2 for at least five years following submission. | Third-party IEM will retain the reported information for at least five years following submission. |

| Condition Number | Description | Activities Undertaken |
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| 12.1 | The Proponent shall take all reasonable measures to prevent accidents and malfunctions that may result in adverse environmental effects, including dam breaches, and mitigate them. In doing so, the Proponent shall:<br>12.1.1 design, construct and operate the tailings management facility containment structures taking into account the Canadian Dam Association's *Dam Safety Guidelines* and the Mining Association of Canada's *Guide to the Management of Tailings Facilities*, and by restricting use of the emergency spillway to extreme precipitation events; and<br>12.1.2 design, prior to construction and in consultation with Indigenous groups, Environment and Climate Change Canada, and any other relevant authorities, the Designated Project taking into account projections of climate change-related changes in the frequency and severity of extreme precipitation events, and available Indigenous knowledge of historic flooding in the local assessment areas. | The Emergency Response and Spill Prevention and Contingency Plan (ERSPCP) was developed and sent to Indigenous Nations for review/comment prior to the reporting period. The ERSPCP (Version 0) was finalized in January 2025 and implemented in 2025 as required during the reporting period. |
| 12.2 | The Proponent shall develop, in consultation with Indigenous groups and relevant authorities, and implement, a follow-up program related to the effects of changing permafrost on the Designated Project and how these changes may adversely affect the current use of lands by Indigenous groups. As part of the follow-up program, the Proponent shall identify the type, degree and extent of residual permafrost remaining within the Project development areas following construction to be incorporated into the design of the Designated Project. | Engagement on a proposed follow-up program related to the effects of changing permafrost on the Designated Project and how these changes may adversely affect the current use of lands by Indigenous Nations took place prior to the 2025 reporting period. Comments were incorporated into the ERSPCP which outlines a follow-up program to adhere to the requirements of condition 12.2. The ERSPCP (Version 0) was finalized in January 2025 and implemented in 2025 as required during the reporting period. |
| 12.3 | The Proponent shall consult, prior to construction, Indigenous groups and relevant authorities on the measures to be implemented to prevent accidents and malfunctions, including the likelihood, modes of failure and consequences of a dam breach. | The ERSPCP was developed and sent to Indigenous Nations for review/comment prior to the reporting period. The ERSPCP (Version 0) was finalized in January 2025 |

| Condition Number | Description | Activities Undertaken |
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| | | and implemented in 2025 as required during the reporting period. |
| 12.4 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups and relevant authorities, an accidents and malfunctions response plan in relation to each phase of the Designated Project. The accident and malfunction plan for each phase shall include:<br>12.4.1 a description of the types of accidents and malfunctions that may cause adverse environmental effects during that phase;<br>12.4.2 the measures to be implemented in response to each type of accident and malfunction referred to in condition 12.4.1 to mitigate any adverse environmental effect caused by the accident or malfunction; and<br>12.4.3 for each type of accident and malfunction referred to in condition 12.4.1, the roles and responsibilities of the Proponent and each relevant authority in implementing the measures referred to in condition 12.4.2 and for mobilizing emergency response equipment. | The ERSPCP, which outlines an accidents and malfunctions response plan, was developed and sent to Indigenous Nations for review/comment prior to the reporting period. The ERSPCP (Version 0) was finalized in January 2025 and implemented in 2025 as required during the reporting period. |
| 12.5 | The Proponent shall ensure the accidents and malfunctions response plan referred to in condition 12.4 is kept up-to-date during the phase to which it pertains. The Proponent shall submit any updated accident and malfunction response plan to the Agency, Indigenous groups and the relevant authorities involved in its implementation within 30 days of the plan being updated. | The ERSPCP was submitted to the Agency, Indigenous Nations and the relevant authorities prior to being finalized in January 2025. The plan was not updated during the remainder of the reporting period. |
| 12.6 | In the event of an accident or malfunction with the potential to cause adverse environmental effects, including an accident or a malfunction referred to in condition 12.4.1, the Proponent shall immediately implement the measures appropriate to remedy the accident or malfunction, including any measure referred to in condition 12.4.2, and shall:<br>12.6.1 implement the communication plan referred to in condition 12.7 as it relates to accidents and malfunctions;<br>12.6.2 notify relevant authorities with responsibilities related to emergency response, including environmental emergencies, in accordance with applicable regulatory and legislative requirements; | The ERSPCP, which outlines an accidents and malfunctions response plan, was developed and sent to Indigenous Nations for review/comment prior to the reporting period. The ERSPCP (Version 0) was finalized in January 2025 and implemented in 2025 as required during the reporting period. Alamos maintains procedures for responding to accidents or malfunctions with the potential to cause adverse |

| Condition Number | Description | Activities Undertaken |
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| | 12.6.3 notify, as soon as possible and pursuant to the communication plan referred to in condition 12.7, Indigenous groups of the accident or malfunction, and notify the Agency in writing no later than 24 hours following the accident or malfunction. When notifying Indigenous groups and the Agency, the Proponent shall specify:<br>12.6.3.1 the date and time when and location where the accident or malfunction occurred;<br>12.6.3.2 a summary description of the accident or malfunction;<br>12.6.3.3 a list of any substance potentially released into the environment as a result of the accident or malfunction; and<br>12.6.3.4 a description of the notified relevant authorities, as referred to in condition 12.6.2.<br>12.6.4 submit a written report to the Agency no later than 30 days after the day on which the accident or malfunction occurred. The written report shall include:<br>12.6.4.1 a detailed description of the accident or malfunction and of its adverse environmental effects;<br>12.6.4.2 a description of the measures that were taken by the Proponent to mitigate the adverse environmental effects caused by the accident or malfunction;<br>12.6.4.3 any view from Indigenous groups and advice from relevant authorities received with respect to the accident or malfunction, its adverse environmental effects and the measures taken by the Proponent to mitigate these adverse environmental effects;<br>12.6.4.4 a description of any residual adverse environmental effect and any modified or additional measure required by the Proponent to mitigate residual adverse environmental effects; and<br>12.6.4.5 details concerning the implementation of the accidents and malfunctions response plan referred to in condition 12.4.<br>12.6.5 submit a written report to the Agency no later than 90 days after the day on which the accident or malfunction occurred, taking into account the information submitted in the written report pursuant to condition 12.6.4, that includes:<br>12.6.5.1 a description of the changes made to avoid a subsequent occurrence of the accident or malfunction; | environmental effects, including implementation of response measures and notification to regulators and Indigenous Nations.<br>Following a fire incident at the MacLellan site on May 17, 2025, these procedures were implemented, including notification to Indigenous Nations through the EAC and reporting to relevant regulatory authorities, including IAAC, within the required timeframe. The incident required external assistance for suppression and therefore met the threshold for emergency reporting. No other accidents or malfunctions requiring reporting occurred during the 2025 reporting period. |

| Condition Number | Description | Activities Undertaken |
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| | 12.6.5.2 a description of the modified or additional measure(s) implemented by the Proponent to mitigate and monitor residual adverse environmental effects and to carry out any required progressive reclamation; and<br>12.6.5.3 all additional views from Indigenous groups and advice from relevant authorities received by the Proponent since the views and advice referred to in condition 12.6.4.3 were received by the Proponent. | |
| 12.7 | The Proponent shall develop, in consultation with Indigenous groups, a communication plan for accidents and malfunctions occurring in relation to the Designated Project. The Proponent shall develop the communication plan prior to construction and shall implement and keep it up to date during all phases of the Designated Project. The plan shall include:<br>12.7.1 the types of accidents and malfunctions requiring the Proponent to notify the Indigenous groups;<br>12.7.2 the manner by which Indigenous groups shall be notified by the Proponent of an accident or malfunction and of any opportunity for the Indigenous groups to assist in the response to the accident or malfunction; and<br>12.7.3 the names and contact information of the Proponent and Indigenous group representatives for the purposes of notifying pursuant to condition 12.7.2 and communicating about accidents and malfunctions. | A communication plan for accidents and malfunctions is included in the ERSPCP. Engagement on the ERSPCP (Version 0) took place prior to the 2025 reporting period. Comments were incorporated into the ERSPCP which includes a communication plan for accidents and malfunctions occurring in relation to the Designated Project to adhere to the requirements of condition 12.7. The plan identifies the types of accidents and malfunctions requiring notification, the procedures for notifying Indigenous Nations, and the points of contact for both the Proponent and Indigenous group representatives. Alamos continued to follow and implement the established communication procedures, ensuring that Indigenous Nations remain informed of any incidents or potential emergencies, consistent with the plan. All communication protocols and contact information are maintained and regularly updated as necessary. |
| 13.1 | The Proponent shall submit to the Agency and Indigenous groups a schedule for all conditions set out in this Decision Statement no later than 60 days prior to the start | Schedule for all conditions set out in the Decision Statement submitted to the |

| Condition Number | Description | Activities Undertaken |
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| | of construction. This schedule shall detail all activities planned to fulfill each condition set out in this Decision Statement and the commencement and estimated completion month(s) and year(s) for each of these activities. | Agency and Indigenous Nations prior to the 2025 reporting period. |
| 13.2 | The Proponent shall submit to the Agency and Indigenous groups a schedule outlining all activities required to carry out all phases of the Designated Project no later than 60 days prior to the start of construction. The schedule shall indicate the commencement and estimated completion month(s) and year(s) and duration of each of these activities. | Schedule outlining all activities required to carry out all phases of the Designated Project submitted to the Agency and Indigenous Nations prior to the 2025 reporting period. |
| 13.3 | The Proponent shall submit to the Agency and Indigenous groups in writing an update to the schedules referred to in conditions 13.1 and 13.2 every year no later than March 31, until the completion of all activities referred to in each schedule. | Submitted separately to the Agency and Indigenous Nations annually as required. |
| 14.1 | The Proponent shall maintain all records relevant to the implementation of the conditions set out in this Decision Statement. The Proponent shall retain the records and make them available to the Agency throughout construction and operation and for 25 years following the end of operation or until the end of post-closure of the Designated Project, whichever comes first. The Proponent shall provide the aforementioned records to the Agency upon demand within a timeframe specified by the Agency. | Alamos has maintained relevant records to the Decision Statement during the reporting period and can be made available upon request. |
| 14.2 | The Proponent shall retain all records referred to in condition 14.1 at a facility in Canada and shall provide the address of the facility to the Agency. The Proponent shall notify the Agency in writing at least 30 days prior to any change to the physical location of the facility where the records are retained, and shall provide to the Agency the address of the new location. | Alamos has maintained relevant records to the Decision Statement during the reporting period and can be made available upon request. Records are retained in Alamos' electronic document control system and at<br>Lynn Lake Gold Project<br>475 Sherritt Ave.<br>PO Box 580<br>Lynn Lake, MB<br>R0B 0W0 |
| 14.3 | The Proponent shall notify the Agency in writing of any change to the contact information of the Proponent included in this Decision Statement. | N/A: No change of contact information during the reporting period. |

## 2.2. Compliance with condition 2.1 as per Condition 2.10.2

Condition 2.1 of the Federal Decision Statement:

> *2.1 The Proponent shall ensure that its actions in meeting the conditions set out in this Decision Statement during all phases of the Designated Project are considered in a careful and precautionary manner, promote sustainable development, are informed by the best information and knowledge available at the time the Proponent takes action, including policies, guidelines and directives and community and Indigenous knowledge, are based on methods and models that are recognized by standard-setting bodies, are undertaken by qualified individuals, and have applied the best available economically and technically feasible technologies.*

Alamos has complied with condition 2.1 by ensuring all actions taken during the construction of the designated project are conducted in accordance with the principles outlined in this condition. This includes careful and precautionary consideration of all phases, promotion of sustainable development, utilization of the best available information and knowledge, adherence to recognized methods and models, engagement of qualified individuals, and implementation of economically and technically feasible technologies.

## 2.3. Consultation (Engagement) Compliance as per Condition 2.10.3

During the 2025 reporting period, Alamos undertook extensive engagement with Indigenous Nations in relation to regulatory submissions, project planning, and environmental management for the LLGP. Engagement activities were conducted in accordance with Condition 2.10.3 of the FDS and applicable provincial licence requirements and were designed to support transparent information sharing and meaningful opportunities for involvement and feedback and included documented responses by Alamos.

Since 2015, including the 2025 reporting period, Alamos has engaged with the following 13 Indigenous Nations regarding the LLGP:

- Marcel Colomb First Nation
- Mathias Colomb Cree Nation
- Nisichawayasihk Cree Nation
- O-Pipon-Na-Piwin Cree Nation
- Manitoba Métis Federation
- Peter Ballantyne Cree Nation
- Barren Lands First Nation
- Métis Nation – Saskatchewan Eastern Region 1
- Métis Nation – Saskatchewan Northern Region 1

- Hatchet Lake First Nation
- Northlands Denesuline First Nation
- Sayisi Dene First Nation
- Chemawawin Cree Nation

Engagement in 2025 focused on NOA and NOC relating to mine plan amendments for the Gordon and MacLellan sites, the Gordon Closure Plan (required under provincial licence), Fisheries Act Authorization–related matters, discussion of the Indigenous harvest study, implementation of approved Management and Monitoring Plans (MMPs), and continued operation of the EAC. Throughout the reporting period, Alamos emphasized early notification, flexibility in review timelines where feasible, and clear written responses to Indigenous input.

Table 2 and the 2025 Engagement Summary – Annual Report included in Appendix A of this report describe the views and information received during consultation (engagement) in 2025, how those views were considered, and the resources provided to support Indigenous participation. During all consultation (engagement) activities listed in Table 2 Alamos engaged with all 13 Nations named above.

Table 2: Summary of Views and Information Received During or as a Result of Consultation (Engagement), and Resources Provided to Support Consultation (Engagement) Activities Participation

| Condition Number | Condition Requiring Consultation | How Alamos Considered Views and Information Received During or as a Result of Consultation (Engagement), and Resources Provided to Support Consultation (Engagement) Activities Participation |
|---|---|---|
| 2.3 | The Proponent shall, where consultation is a requirement of a condition set out in this Decision Statement:<br>2.3.1 provide a written notice of the opportunity for the parties being consulted to present their views and information on the subject matter of the consultation;<br>2.3.2 provide all information available and relevant to the scope and the subject matter of the consultation and a reasonable period of time agreed upon with the parties being consulted, not to be less than 30 days, to prepare their views and information;<br>2.3.3 undertake an impartial consideration of all views and information presented by the parties being consulted on the subject matter of the consultation; and<br>2.3.4 advise as soon as feasible the parties being consulted on how the views and information received have, or have not, been integrated into the subject matter of the consultation by the Proponent and provide a justification. | Alamos provided written notice and meaningful opportunities for Indigenous Nations to present views through correspondence, EAC meetings, and regulatory review processes. Draft and final submissions, technical materials, and meeting records were shared with all 13 Nations, and deadline extensions were accommodated where feasible beyond 30 days.<br>All feedback received on NOA/NOC submissions, MMPs, the Hughes River discharge, Fisheries Act matters, and closure planning was reviewed against baseline data, modelling, regulatory requirements, and technical feasibility. Written responses were provided in all cases, with changes incorporated where appropriate and clear rationale documented where feedback could not be integrated. |
| 2.4 | The Proponent shall, where consultation with Indigenous groups is a requirement of a condition set out in this Decision Statement, discuss with each Indigenous group with respect to the manner to satisfy the consultation requirements referred to in condition 2.3, including:<br>2.4.1 methods of notification;<br>2.4.2 the type of information, resources and the period of time to be provided when seeking input;<br>2.4.3 the process to be used by the Proponent to undertake impartial consideration of all views and information presented on the subject of the consultation; and | In 2025, Alamos maintained structured engagement processes with Indigenous Nations through written correspondence, EAC meetings, regulatory review processes (NOA/NOC, MMPs, FAA), and subcommittees established under Impact and Benefit Agreements. These forums functioned as the agreed methods of notification and information exchange.<br>Alamos provided draft and final submissions, technical supporting materials, response matrices, monitoring data, and meeting records when seeking input, and accommodated timeline flexibility and deadline extensions |

| Condition Number | Condition Requiring Consultation | How Alamos Considered Views and Information Received During or as a Result of Consultation (Engagement), and Resources Provided to Support Consultation (Engagement) Activities Participation |
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| | 2.4.4 the period of time and the means to advise Indigenous groups of how their views and information were considered by the Proponent. | where feasible to support review capacity. Feedback was reviewed against baseline data, predictive modelling, regulatory requirements, approved assessment commitments, and technical feasibility, with written responses issued explaining how views were incorporated or why they could not be integrated.<br>Through documented written responses, EAC discussions, and follow-up correspondence, Indigenous Nations were advised of how their input was considered and the rationale for resulting decisions. |
| 2.5 | The Proponent shall, where a follow-up program is a requirement of a condition set out in this Decision Statement, determine, as part of the development of each follow-up program and in consultation with Indigenous groups and any other parties being consulted during the development, the following information, unless otherwise specified in the condition:<br>2.5.1 the methodology, location, frequency, timing and duration of monitoring associated with the follow-up program;<br>2.5.2 the scope, content and frequency of reporting of the results of the follow-up program to the parties consulted for the development of the follow-up program;<br>2.5.3 the minimum frequency at which the follow-up program must be reviewed and, if necessary, updated;<br>2.5.4 the levels of environmental change relative to baseline that would require the Proponent to implement modified or additional mitigation measure(s), including instances where the Proponent may require Designated Project activities causing the environmental change to be stopped;<br>2.5.5 the technically and economically feasible mitigation measures to be implemented by the Proponent if monitoring conducted as part of | In 2025, no new follow-up programs (outlined in Alamos' MMPs) were developed; however, finalized Version 0 MMPs were issued in January 2025 following prior Indigenous engagement. Indigenous Nations were provided finalized plans and written response matrices, and formal feedback from Marcel Colomb First Nation and the Manitoba Métis Federation was reviewed and addressed in writing, with revisions incorporated where appropriate and rationale provided where not. Any revisions requested after the finalization of the MMPs will be incorporated into the next version to be updated in the 2026 reporting period.<br>While no other Indigenous Nations submitted formal MMP comments, feedback regarding review timelines and capacity was received. Alamos responded by accommodating deadline extensions where feasible and reiterating that all MMPs are living documents subject to future adaptive updates under Condition 2.10.6 of the FDS. |

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| | the follow-up program shows that the levels of environmental change referred to in condition 2.5.4 have been reached or exceeded; and<br>2.5.6 the specific and measurable end points that must be achieved before the follow-up program can end. Those end points should indicate that the accuracy of the environmental assessment has been verified and/or that the mitigation measures are effective. | |
| 2.6 | The Proponent shall update the information determined for each follow-up program pursuant to condition 2.5 during the implementation of each follow-up program, at the minimum frequency determined pursuant to condition 2.5.3 and in consultation with Indigenous groups and any other parties being consulted during the development of each follow-up program. | In 2025, no updates to follow-up programs (MMPs) were undertaken. Finalized Version 0 MMPs were issued in January 2025 following prior Indigenous engagement, and no minimum review-triggered updates occurred during the reporting period.However, MMPs are identified as living documents subject to adaptive management and future revision. Where activity-specific enhancements were required (e.g., Hughes River discharge), Alamos developed and implemented a supplemental discharge-specific Management and Monitoring Plan in response to Indigenous and regulatory feedback, incorporating enhanced monitoring, defined trigger thresholds, and response measures.Accordingly, while no formal scheduled MMP updates occurred in 2025, adaptive modifications were developed through engagement with Indigenous Nations where warranted. |
| 2.7 | The Proponent shall provide details of the follow-up programs referred to in conditions 3.12, 3.13, 3.14, 3.15, 4.5, 4.6, 6.3, 6.4, 6.5, 9.3, 10.5 and 12.2, including the information determined for each follow-up program pursuant to condition 2.5, to the Agency and to Indigenous groups and any other parties being consulted during the development of each follow-up program prior to the implementation of each follow-up program. The Proponent shall also provide any update made | In 2025, finalized Version 0 follow-up programs (MMPs) were issued in January 2025 following Indigenous engagement. Finalized plans and written response matrices were provided to Indigenous Nations, and monitoring details were shared through direct distribution and EAC meetings. Monitoring design, trigger thresholds, response measures, and reporting commitments were |

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| | pursuant to condition 2.6 to the Agency and to Indigenous groups and any other parties being consulted during the development of each follow-up program within 30 days of the follow-up program being updated. | communicated through these materials.<br>No formal updates to the MMPs pursuant to Condition 2.6 occurred during 2025. However, where activity-specific enhancements were required (e.g., Hughes River Discharge Management and Monitoring Plan), the supplemental plan was developed, reviewed through the regulatory process, and shared with Indigenous Nations and discussed through established engagement mechanisms prior to implementation.<br>Accordingly, follow-up program details and any activity-specific monitoring enhancements were provided to Indigenous Nations in advance of implementation, and no 30-day update notification requirement was triggered in 2025 as no formal MMP updates occurred. |
| 2.9 | Where consultation with Indigenous groups is a requirement of a follow-up program, the Proponent shall discuss the follow-up program with each group and shall determine, in consultation with each group, opportunities for their participation in the implementation of the follow-up program, including the conduct of monitoring, the analysis and reporting of follow-up results and the determination of whether modified or additional mitigation measure(s) are required, as set out in condition 2.8, and opportunities for training to support participation in monitoring. The Proponent shall permit the participation of any interested Indigenous group in the identified follow-up program and training. | In 2025, Alamos discussed follow-up programs (MMPs) with Indigenous Nations through EAC meetings, written correspondence, and regulatory review processes.<br>Indigenous Nations were provided finalized Version 0 MMPs, response matrices, and monitoring updates, and were invited to review monitoring design, trigger thresholds, response measures, and reporting commitments.<br>The Independent Environmental Monitor participated in EAC meetings and provided oversight reporting, supporting transparency in monitoring implementation.<br>Indigenous Nations were provided opportunities to raise concerns regarding monitoring frequency, parameters, fisheries monitoring, and adaptive management, and their feedback informed monitoring enhancements (e.g., Hughes River discharge-specific monitoring plan with |

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| | | elevated monitoring and defined response actions).<br>While the text confirms opportunities for review, feedback, and discussion of monitoring and mitigation, it does not specifically describe training initiatives in 2025.<br>Participation opportunities through established engagement mechanisms were maintained, and interested Indigenous Nations were not restricted from involvement in monitoring discussions or review processes. |
| 3.1 | The Proponent shall develop, prior to construction and to the satisfaction of Fisheries and Oceans Canada and in consultation with Indigenous groups, and implement an offsetting plan to mitigate residual effects to fish and fish habitat associated with the carrying out of the Designated Project. The Proponent shall share the proposed plan with Indigenous groups at least 30 days prior to formal submission to Fisheries and Oceans Canada, and submit the approved offsetting plan to the Agency prior to implementation. | In 2025, engagement related to the Fisheries Act Authorization and Fish Habitat Offset Plan continued through EAC meetings (January 20, May 23, August 29, and November 21, 2025) and written correspondence.<br>Indigenous Nations provided feedback on fisheries monitoring, offsetting measures, fish salvage, and culvert replacement.<br>The Manitoba Métis Federation submitted correspondence directly to DFO, and at DFO's request, Alamos provided supplemental technical information to support DFO's review and response. Marcel Colomb First Nation expressed preferences regarding maintaining Dot Lake water levels; the approved 1-to-1 culvert replacement aligned with that preference. Where additional requests (e.g., fish passage or riffle installation) were not incorporated due to regulatory or technical constraints, written rationale was provided. |
| 3.2 | The Proponent shall, for any fish habitat offsetting measure proposed in any offsetting plan referred to in condition 3.1 that may cause adverse environmental effects not considered in the environmental | In 2025, no new fish habitat offsetting measures were implemented that could cause adverse environmental effects beyond those assessed in the environmental |

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| | assessment, develop and implement, following consultation with Indigenous groups and relevant authorities, measures to mitigate those effects. The Proponent shall submit these measures to the Agency before implementing them. | assessment. Engagement with Indigenous Nations occurred through EAC meetings and written correspondence regarding potential offsetting measures, including Dot Lake culvert replacement and fish salvage considerations. Indigenous feedback was documented, and where technical or regulatory constraints prevented incorporation of specific suggestions (e.g., fish passage or riffle installation), written rationale was provided. As no measures requiring additional mitigation were implemented in 2025, there were no submissions to the Agency under this condition during the reporting period. |
| 3.4 | The Proponent shall develop, prior to construction and in consultation with relevant authorities, and implement and maintain, during all phases of the Designated Project, measures to mitigate any potential effects to water levels in Farley Lake and Gordon Lake due to groundwater drawdown resulting from Designated Project activities. In doing so, the Proponent shall intercept and/or redirect groundwater flowing towards the open pits with wells and/or other mitigation measures, as applicable, before it enters the open pits. The Proponent shall submit these measures to the Agency before implementing them. | Finalized SWMMP and GWMP (Version 0) which outline the mitigation measures related to Condition 3.4 were shared with Indigenous Nations, and feedback received included requests for increased monitoring frequency and additional parameters. Alamos considered this input by adjusting monitoring timing during higher-risk periods and providing rationale where changes were not feasible. Engagement was supported through meetings, written correspondence, and information sharing (see Appendix A: 2025 Engagement Summary). |
| 3.8 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups and relevant authorities, measures to protect fish and fish habitat when undertaking activities in or near fish-bearing water bodies, in a manner that complies with any authorization issued under the *Fisheries Act* for the Designated Project. The Proponent shall implement these measures during all phases of the Designated Project. In doing so, the Proponent shall:<br>3.8.1 salvage and relocate fish prior to conducting any Designated | In 2025, Alamos engaged Indigenous Nations and regulators regarding fish protection measures through EAC meetings, written correspondence, and regulatory review processes, including Fisheries Act Authorization matters, fish salvage, and offsetting discussions (see Appendix A: 2025 Engagement Summary). Engagement included review of potential fish salvage activities, monitoring, and mitigation near fish-bearing water bodies. |

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| | Project activity requiring the removal of fish habitat, including dewatering;<br>3.8.2 conduct activities in or near fish-bearing water bodies in accordance with Fisheries and Oceans Canada's Manitoba Restricted Activity Timing Windows for the Protection of Fish and Fish Habitat and Measures to Protect Fish and Fish Habitat, unless otherwise authorized by relevant authorities;<br>3.8.3 maintain, during all phases of the Designated Project, a buffer of undisturbed vegetation of at least 30 meters from the high-water mark, as follows:<br>3.8.3.1 around fish-bearing water bodies, including wetlands, within and adjacent to the Project development areas that are not required to be removed for construction of the Designated Project, in a manner that complies with any authorization issued under the Fisheries Act; and<br>3.8.3.2 around wetlands, within and adjacent to the Project development areas that are not required to be removed for construction of the Designated Project, unless not technically or economically feasible. If work within 30 meters of wetlands is required, the Proponent shall use weight-distributing materials under machinery to limit soil compaction and give preference to using existing access roads to access areas near wetlands. | |
| 3.9 | The Proponent shall identify in consultation with Indigenous groups, prior to conducting the salvage and relocation of fish referred to in condition 3.8.1, opportunities for Indigenous groups to take part in, and determine their interest to take part in, the salvage and relocation of fish. | In 2025, no fish salvage or relocation activities occurred under Condition 3.8.1. As a result, Condition 3.9 was not yet applicable, and there is nothing to report for this condition in 2025. |
| 3.10 | The Proponent shall manage, during all phases of the Designated Project and in consultation with Environment and Climate Change | Alamos communicated geochemical testing results, along with the testing program, to all 13 engaged Indigenous |

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| | Canada and any other relevant authorities, acid-generating and metal-leaching and potentially acid-generating and metal-leaching tailings and waste, including from the tailings management facility, mine rock storage areas and ore stockpiles. In doing so, the Proponent shall:<br>3.10.1 characterize, prior to construction, the acid rock drainage and metal-leaching potential of overburden and other mine rock to be used for construction;<br>3.10.2 only use materials that are not acid-generating, non-potentially acid-generating and non-metal-leaching during construction, including for earthworks and grading, unless not technically or economically feasible. If not technically or economically feasible, the Proponent shall preclude water and oxygen ingress into the materials used;<br>3.10.3 conduct geochemical testing of generated waste rock and tailings during operation to identify potentially acid-generating and metal-leaching waste material and verify the magnitude and onset of potential acid rock drainage in waste rock and tailings;<br>3.10.4 taking into account results of geochemical testing referred to in condition 3.10.3, implement measures to delay onset and magnitude of acid rock drainage in waste rock, including blending potentially acid generating with non-potentially acid generating during operation; and<br>3.10.5 cover all acid-generating, potentially acid-generating, and potentially metal-leaching tailings and waste, including waste in the tailings management facility and mine rock storage areas, during decommissioning with an oxygen-limiting barrier in a manner determined by a qualified individual. | Nations through EAC meetings. This ensured transparency regarding the management of tailings and waste materials, consistent with the intent of Condition 3.10. Engagement was supported through regular meetings, data sharing, and follow-up communication (see Appendix A). |
| 3.11 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups and relevant authorities, and implement and maintain during all phases of the Designated Project, measures to control erosion and sedimentation within the Project development areas in a manner consistent with the *Fisheries Act* and its regulations, | In 2025, no intake pipes or discharge diffusers were installed. However, Alamos implemented the ESCP, which was shared for feedback prior to the start of construction. Indigenous Nations were kept informed on activities |

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| | and taking into account Environment and Climate Change Canada's *Environmental Code of Practice for Metal Mines*, and Fisheries and Oceans Canada's *Measures to Protect Fish and Fish Habitat*. The Proponent shall submit these measures to the Agency before implementing them. As part of these measures, the Proponent shall:<br>3.11.1 install intake pipes pointing upwards and away from sediment; and<br>3.11.2 equip contact water discharge pipes with diffusers. | through EAC meetings and written communications see Appendix A). |
| 3.12 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups, Fisheries and Oceans Canada, Environment and Climate Change Canada and any other relevant authorities, a follow-up program to verify the accuracy of the environmental assessment and determine the effectiveness of the mitigation measures as they pertain to adverse environmental effects of the Designated Project on water quality, taking into account Environment and Climate Change Canada's *Metal Mine Technical Guidance for Environmental Effects Monitoring*. The Proponent shall implement the follow-up program during all phases of the Designated Project. As part of the follow-up program, the Proponent shall:<br>3.12.1 determine, in consultation with Indigenous groups, Environment and Climate Change Canada, and any other relevant authorities, the location and extent of mixing zones in water bodies that may be affected by the Designated Project;<br>3.12.2 monitor water quality in the newly formed pit lakes, tailings management facility, mine rock storage areas, contact water collection ponds, and receiving water bodies and watercourses upstream and downstream of the Project development areas, including at the edge and downstream of the edge of mixing zones identified pursuant to condition 3.12.1, Arbor Lake, Burge Lake, Cockeram Lake, Ellystan Lake, Farley Creek, Farley Lake, Gordon Lake, the Hughes River, the | In 2025, Alamos implemented the water quality follow-up program (SWMMP and GWMP) with a focus on monitoring only, as there was no tailings, contact water, or active pit areas except the historic Gordon pit lakes. Monitoring results were shared with Indigenous Nations during engagement activities. Feedback and questions regarding monitoring approach and results were received and considered through ongoing discussions and adaptive management. Engagement was supported through regular meetings, data sharing, and follow-up communication (see Appendix A). |

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| | Keewatin River, the unnamed tributary of the Keewatin River, Minton Lake, Payne Lake, Susan Lake and Swede Lake, for all contaminants that may have adverse effects on fish and fish habitat, including aluminum, antimony, arsenic, calcium, copper, cyanide, fluoride, hexavalent chromium, iron, magnesium, methylmercury, phosphorus, selenium, and total and dissolved cadmium. Monitoring shall be conducted as follows:<br>3.12.2.1 beginning during construction and continuing through decommissioning, except in the newly formed pit lakes; and<br>3.12.2.2 beginning during decommissioning and continuing through post-closure in the newly formed pit lakes, until water quality is stable and improving and any contact water or seepage potentially released meets the Canadian Council of Ministers of the Environment's *Canadian Water Quality Guidelines of the Protection for Aquatic Life* and Manitoba's *Water Quality, Standards, Objectives, and Guidelines* pursuant to condition 3.7;<br>3.12.3 monitor prior to and throughout the process of dewatering, at locations and frequencies described in Lynn Lake Gold Project: Monitoring Program for Gordon Pit Dewatering to the Hughes River (Version 1) (Canadian Impact Assessment Registry Reference Number 80140, document 144) all contaminants that may have adverse effects on fish and fish habitat, including aluminum, antimony, arsenic, calcium, copper, cyanide, fluoride, hexavalent chromium, iron, magnesium, methylmercury, phosphorus, selenium, and total and dissolved cadmium. In doing so, offer any opportunities for Indigenous group participation in this monitoring discussed pursuant to condition 2.9;<br>3.12.4 monitor, beginning during construction, water quality in groundwater near the open pits, Farley Lake, Gordon Lake, the Keewatin River, the unnamed tributary of the Keewatin River, Minton | |

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| | Lake, the unnamed lakes northeast of Minton Lake, Payne Lake, Pump Lake and Susan Lake, up and down gradient from the tailings management facility, mine rock storage areas, ore and overburden stockpiles, and seepage collection systems. Monitoring shall be conducted for all contaminants that may have adverse effects on fish and fish habitat, including antimony, arsenic, iron, sodium, sulphate, and uranium at the Gordon site and aluminum, antimony, arsenic, cobalt, total cyanide, iron, lead, nitrate, nitrite, sodium, and sulphate at the MacLellan site;<br>3.12.5 monitor, during construction and operation, total suspended solids and turbidity in fish-bearing water bodies where Designated Project activities are undertaken in or near water frequented by fish; and<br>3.12.6 develop, in consultation with relevant authorities, and implement modified or additional mitigation measures, if the results of monitoring conducted pursuant to condition 3.12.2, 3.12.3 and 3.12.4 demonstrate any unanticipated effects attributable to the Designated Project, taking into account the Canadian Council of Ministers of the Environment's *Canadian Water Quality Guidelines of the Protection for Aquatic Life* or Manitoba's *Water Quality Standards, Objectives, and Guidelines*, whichever is most protective of fish and fish habitat, and predicted concentrations identified in Volume 1 Chapter 9 of the Environmental Impact Statement. | |
| 3.13 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups, Fisheries and Oceans Canada, Environment and Climate Change Canada and any other relevant authorities, a follow-up program to verify the accuracy of the environmental assessment and determine the effectiveness of the mitigation measures as they pertain to adverse environmental effects of the Designated Project on water quantity. The Proponent shall implement | In 2025, Alamos implemented the water quantity follow-up program (SWMMP and GWMP) with a focus on monitoring only, as there were no active pit areas, tailings, or contact water systems in operation. Monitoring results were shared with Indigenous Nations during engagement activities. Feedback and questions regarding monitoring approach and results were received and considered |

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|  | the follow-up program during all phases of the Designated Project. As part of the follow-up program, the Proponent shall:<br>3.13.1 monitor, during all phases of the Designated Project, surface water instantaneous flows, lake levels and pH levels within Arbor Lake, Burge Lake, Cockeram Lake, Ellystan Lake, Farley Creek, Farley Lake, Gordon Lake, the Keewatin River, the unnamed tributary of the Keewatin River, Minton Lake, Payne Lake, Susan Lake, Swede Lake, fish-bearing wetlands within the local assessment areas, the East and Wendy pit lakes, newly formed pit lakes, the tailings management facility, and contact water collection ponds to verify the environmental assessment predictions identified in Volume 2 Chapter 10 of the Environmental Impact Statement and Appendix A Attachment IAAC-48 of the Proponent’s IR Responses Round 1, Package 1 (Canadian Impact Assessment Registry Reference Number 80140, document #54);<br>3.13.2 monitor, during all phases of the Designated Project, groundwater levels, gradients and hydraulic conductivity of all hydrogeological units, as identified in the groundwater model in Volume 5 Appendix F and G of the Environmental Impact Statement, with well depths ranging from near surface to a minimum of 115 meters below ground to characterize contaminant transport via groundwater at the depth of the groundwater model for the Designated Project. Monitoring wells shall be installed near the open pits, the tailings management facility, mine rock storage areas, ore and overburden stockpiles, and fish-bearing wetlands within the local assessment areas that intersect with the Project development areas; and<br>3.13.3 develop, in consultation with relevant authorities, and implement modified or additional mitigation measures, if the results of monitoring conducted pursuant to condition 3.13.1 and 3.13.2 | through ongoing discussions and adaptive management. Engagement was supported through regular meetings, data sharing, and follow-up communication (see Appendix A). |

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| | demonstrate unanticipated effects attributable to the Designated Project. | |
| 3.14 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups, Fisheries and Oceans Canada, Environment and Climate Change Canada and any other relevant authorities, a follow-up program to determine the effectiveness of the mitigation measures and verify the accuracy of the environmental assessment predictions identified in Volume 2 Chapter 10 of the Environmental Impact Statement as they pertain to adverse environmental effects of the Designated Project on fish and fish habitat, taking into account Environment and Climate Change Canada's *Metal Mine Technical Guidance for Environmental Effects Monitoring*. The Proponent shall implement the follow-up program during all phases of the Designated Project. As part of the follow-up program, the Proponent shall:<br>3.14.1 monitor, during all phases of the Designated Project, water temperature in Farley Creek, Farley Lake, Gordon Lake, the Hughes River, the Keewatin River, Minton Lake, the new diversion channel, and any additional locations identified in consultation with relevant authorities, taking into account predictions in Volume 2 Chapter 10 of the Environmental Impact Statement;<br>3.14.2 monitor total invertebrate density, taxon richness, Simpson's Evenness Index, Bray-Curtis Index, and chlorophyll a to characterize benthic invertebrate, plankton and periphyton communities in Farley Creek, Farley Lake, Gordon Lake, the Hughes River, the Keewatin River, Minton Lake, the new diversion channel, and any additional locations identified in consultation with Indigenous groups and relevant authorities, for the detection of project-related changes in nutrient and contaminant levels, taking into account predictions in Volume 2 Chapter 10 of the Environmental Impact Statement;<br>3.14.3 identify, in consultation with Indigenous groups, Fisheries and | The AEMP and EEM (Version 0) were shared with Indigenous Nations, and feedback received included requests for increased monitoring frequency and additional parameters. Alamos considered this input by adjusting monitoring timing during higher-risk periods and providing rationale where changes were not feasible. Engagement was supported through meetings, written correspondence, and information sharing (see Appendix A). |

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| | Oceans Canada and any other relevant authorities, fish species to monitor, including species used for traditional purposes by Indigenous groups. Species shall include northern pike (*Esox lucius*), lake whitefish (*Coregonus clupeaformis*), and white sucker (*Catostomus commersonii*); and<br>3.14.4 monitor, starting prior to construction and during all phases of the Designated Project, fish habitat quality and quantity end points for all species identified pursuant to condition 3.14.3, in Farley Creek, Farley Lake, Gordon Lake, the Keewatin River, Minton Lake, the new diversion channel, fish-bearing wetlands within and downstream of the Project development areas, and any additional locations identified in consultation with Indigenous groups and relevant authorities, as well as in the Hughes River prior to and during the Constuction phase and during the first year of the operation phase. | |
| 3.15 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups and relevant authorities, a follow-up program to verify the accuracy of the environmental assessment and the effectiveness of the mitigation measures as they pertain to acid rock drainage and metal leaching into the receiving environment from the Project development areas, including from the mine rock storage areas, ore stockpiles, and the tailings management facility. The Proponent shall implement the follow-up program during all phases of the Designated Project. In doing so, the Proponent shall:<br>3.15.1 verify that the covers installed at the mine rock storage areas and tailings management facility pursuant to condition 3.10.5 perform and continue to perform as predicted in Volume 1 Chapter 5 of the Environmental Impact Statement during all phases of the Designated Project, including post-closure. | Measures related to Condition 3.15 are included in the ARDMLMP (Version 0) which was shared with Indigenous Nations for feedback prior to the start of construction. Ongoing engagement was supported through meetings, written correspondence, and information sharing (see Appendix A: 2025 Engagement Summary). |

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| 4.4 | The Proponent shall develop, in consultation with Indigenous groups and relevant authorities and taking into account Environment and Climate Change Canada’s *Guide for Developing Beneficial Management Practices for Migratory Bird Conservation*, and implement, from the beginning of operation, measures to prevent migratory birds from using Designated Project infrastructure where contact water is stored or conveyed, including the tailings management facility and contact water collection management ponds. In doing so, the Proponent shall:<br>4.4.1 install deterrents near Designated Project infrastructure where contact water is stored or conveyed, including the tailings management facility and contact water collection ponds; and<br>4.4.2 maintain deterrents installed pursuant to condition 4.4.1 until such time that Designated Project infrastructure where contact water is stored or conveyed, including the tailings management facility and contact water collection ponds, have been reclaimed pursuant to conditions 3.10.5 and 5.7. | No condition-specific engagement activities were required in 2025; however, relevant information was shared with Indigenous Nations through ongoing engagement activities. No concerns specific to this condition were raised. Engagement was supported through regular meetings, correspondence, and information sharing (see Appendix A: 2025 Engagement Summary). |
| 4.5 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups and relevant authorities, a follow-up program to verify the accuracy of the environmental assessment and to determine the effectiveness of all mitigation measures to avoid harm to migratory birds, their eggs and nests, including the mitigation measures used to comply with conditions 4.1 through 4.3. The Proponent shall implement the follow-up program during all phases of the Designated Project. | In 2025, Alamos followed the WMMP during vegetation clearing activities. Monitoring results were shared with Indigenous Nations during engagement activities. Feedback and questions regarding monitoring approach and results were received and considered through ongoing discussions and adaptive management. Engagement was supported through regular meetings, data sharing, and follow-up communication (see Appendix A). |
| 4.6 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups and relevant authorities, a follow-up program to verify the accuracy of the environmental assessment and to | No monitoring or deterrent measures were required during this period, but the follow-up program is outlined in the WMMP. WMMP (Version 0) was shared with |

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| | determine the effectiveness of mitigation measures implemented pursuant to condition 4.4. In doing so, the Proponent shall:<br>4.6.1 monitor, from the beginning of operation until such time that the tailings management facility and contact water collection ponds have been reclaimed, migratory birds usage of Designated Project infrastructure where contact water is stored or conveyed pursuant to condition 4.4; and<br>4.6.2 develop, in consultation with Indigenous groups and relevant authorities, and implement modified or additional mitigation measures, including deterrents, if the results of the monitoring conducted pursuant to condition 4.6.1 demonstrate migratory bird usage of Designated Project infrastructure where contact water is stored or conveyed. These measures shall be implemented until such time that the tailings management facility and contact water collection ponds have been reclaimed, and results of water quality monitoring for these structures conducted pursuant to condition 3.12.2 show that water quality objectives established in consultation with Indigenous groups and relevant authorities, taking into account an ecological risk-based approach, are met. | Indigenous Nations for feedback. Alamos considered any input and adjusted the plan or provided rationale where changes were not feasible. Engagement was supported through meetings, written correspondence, and information sharing (see Appendix A: 2025 Engagement Summary). |
| 5.1 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups, measures to mitigate adverse impacts from the Designated Project on access to lands and resources used for traditional purposes, including the implementation of safe access point(s) and/or routes within the local assessment areas. The Proponent shall submit these measures to the Agency prior to construction. | In 2025, Condition 5.1 was addressed through measures developed and submitted to the Agency prior to construction in 2024. No additional actions were required during 2025. |
| 5.2 | The Proponent shall avoid disturbing sites of traditional or cultural importance within or near the Project development areas, except for | In 2025, Alamos continued to implement Condition 5.2 by incorporating all known sites of traditional or cultural importance into project planning. At each EAC meeting, |

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| | the construction of Designated Project components. In doing so, the Proponent shall:<br>5.2.1 identify, in consultation with Indigenous groups, the location of sites of traditional or cultural importance within or near the Project development areas;<br>5.2.2 provide opportunities to Indigenous groups, prior to construction and at times determined in consultation with each Indigenous group, to:<br>5.2.2.1 harvest and transplant, during seasons where plants can be identified and harvested, plant species used for traditional purposes from areas that will be cleared of vegetation; and<br>5.2.2.2 conduct ceremonies for any sites of traditional or cultural importance that will be disturbed by any Designated Project activities. | Indigenous Nations were invited to identify any additional locations, but no new sites were shared. |
| 5.5 | The Proponent shall identify days of traditional or cultural importance in consultation with Indigenous groups, and modify the blasting schedule for the Designated Project to minimize or avoid disturbance to current use of lands and resources by Indigenous groups, unless not technically or economically feasible. | In 2025, Alamos engaged with Indigenous Nations regarding days of traditional or cultural importance. No such days were specified and as such did not coincide with blasting activities. There was discussion through the EAC on allowing to blast on weekends and evenings if required for non-scheduled blasts. |
| 5.7 | The Proponent shall undertake, in consultation with Indigenous groups and relevant authorities, progressive reclamation of areas disturbed by the Designated Project. In doing so, the Proponent shall:<br>5.7.1 identify, in consultation with Indigenous groups, plant species native to the local assessment areas and plant species used for traditional purposes, to use for revegetation;<br>5.7.2 establish performance standards for reclaimed areas, including that the areas be self-sustaining, reduce establishment of weed species, restore native species assemblages, and reduce erosion of exposed soils; and | Alamos has not conducted any progressive reclamation; therefore, this condition did not come into effect in 2025. No condition-specific engagement activities were required in 2025; however, relevant information was shared with Indigenous Nations through ongoing engagement activities. No concerns specific to this condition were raised. Engagement was supported through regular meetings, correspondence, and information sharing (see Appendix A: 2025 Engagement Summary) |

| Condition Number | Condition Requiring Consultation | How Alamos Considered Views and Information Received During or as a Result of Consultation (Engagement), and Resources Provided to Support Consultation (Engagement) Activities Participation |
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|  | 5.7.3 monitor reclaimed areas for a minimum of five years during post-closure or until performance standards established pursuant to condition 5.7.2 are met. |  |
| 6.1 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups and relevant authorities, measures to mitigate emissions of dust and fugitive particulates within the Project development areas, taking into account the standards and criteria set out in the Canadian Council of Ministers of the Environment's *Canadian Ambient Air Quality Standards* and Manitoba's *Ambient Air Quality Criteria*. The Proponent shall implement these measures from construction through decommissioning. In doing so, the Proponent shall:<br>6.1.1 apply dust suppressants, including water, that do not contain chemicals and have the least potential for adverse environmental effects, on haul and access roads during periods when dust generation is expected or occurring, including periods of drought and high winds;<br>6.1.2 locate all stationary machinery and equipment used for processing ore indoors, where technically and economically feasible, including the crushing plant and conveyors feeding into the ore milling and processing plant;<br>6.1.3 ensure all equipment and vehicles used, including equipment and vehicles operated by third-party contractors, are serviced and maintained in accordance with the manufacturer's maintenance guidelines to meet or exceed applicable emission standards, including Tier 4 emission standards for off-road equipment with off-road diesel engines, pursuant to the *Off-Road Compression-Ignition (Mobile and Stationary) and Large Spark-Ignition Engine Emission Regulations* and *Off-Road Compression-Ignition Engine Emission Regulations*;<br>6.1.4 develop and implement policies to reduce the fuel consumption of equipment and vehicles operating in the Project development | In 2025, Alamos implemented dust and particulate mitigation measures within the Project development areas. Monitoring results and implemented mitigation measures were shared with Indigenous Nations during engagement activities. Feedback and questions regarding monitoring approach and results were received and considered through ongoing discussions and adaptive management. Engagement was supported through regular meetings, data sharing, and follow-up communication (see Appendix A). |

| Condition Number | Condition Requiring Consultation | How Alamos Considered Views and Information Received During or as a Result of Consultation (Engagement), and Resources Provided to Support Consultation (Engagement) Activities Participation |
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| | areas, including no-idling and limited cold start policies; and<br>6.1.5 establish speed limits on the roads located in the Project development areas, taking into account the recommended speed limits in Environment and Climate Change Canada's *Best Practices for the Reduction of Air Emissions from Construction and Demolition Activities* and by requiring and ensuring that speed limits are respected, including by installing signs indicating speed limits. | |
| 6.3 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups, Health Canada, Environment and Climate Change Canada and any other relevant authorities, a follow-up program to verify the accuracy of the environmental assessment as it pertains to adverse environmental effects from the Designated Project on air quality and country foods as it relates to the health of Indigenous peoples, taking into account available Indigenous knowledge provided by Indigenous groups related to current use of lands and resources for traditional purposes. The Proponent shall implement the follow-up program during all phases of the Designated Project. As part of the implementation of the follow-up program, the Proponent shall:<br>6.3.1 identify, in consultation with Indigenous groups, the species of fish, vegetation and wildlife consumed as country foods that may be adversely affected by the Designated Project and the locations where these species shall be monitored;<br>6.3.2 monitor, beginning prior to construction and continuing through post-closure, contaminants of potential concern, including arsenic, copper, mercury, methylmercury and selenium, in the species and at the locations identified pursuant to condition 6.3.1;<br>6.3.3 monitor, throughout construction and operation, ambient air concentrations of total suspended particulates, PM10 and PM2.5 at locations identified in consultation with Indigenous groups, and | CFP and AQMMP (Version 0) were shared with Indigenous Nations for feedback. Alamos considered any input and adjusted the plan or provided rationale where changes were not feasible. Monitoring results related to Conditions 6.3.3 and 6.3.4 were shared with Indigenous Nations during engagement activities. Monitoring locations were established in engagement with Indigenous Nations prior to the reporting period. Feedback and questions regarding monitoring approach and results were received and considered through ongoing discussions and adaptive management. Engagement was supported through regular meetings, data sharing, and follow-up communication (see Appendix A). No monitoring program related to Condition 6.3 occurred in the reporting period. |

| Condition Number | Condition Requiring Consultation | How Alamos Considered Views and Information Received During or as a Result of Consultation (Engagement), and Resources Provided to Support Consultation (Engagement) Activities Participation |
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| | upwind and downwind from the Project development areas, taking into account 24-hour and 1-hour thresholds in the Canadian Council of Ministers of the Environment's *Canadian Ambient Air Quality Standards*;<br>6.3.4 monitor, during all phases of the Designated Project, dustfall at locations identified in consultation with Indigenous groups, and upwind and downwind from the Project development areas;<br>6.3.5 monitor ambient air concentrations of nitrogen dioxide (NO2) at locations identified in consultation with Indigenous groups and relevant authorities, for at least two consecutive months during year 2 of operation, and continue to monitor during all phases of the Designated Project if the monitoring results exceed predicted levels in the atmospheric dispersion model in Volume 1 Chapter 6 of the Environmental Impact Statement;<br>6.3.6 monitor meteorological conditions (including wind speed, wind direction, temperature and relative humidity) upwind and downwind of the Project development areas, during construction and operation; and<br>6.3.7 if the monitoring results referred to in conditions 6.3.2 to 6.3.5 exceed predicted levels in the atmospheric dispersion model in Volume 1 Chapter 6 of the Environmental Impact Statement, taking into account the results of monitoring meteorological conditions pursuant to condition 6.3.6, the human health and ecological risk assessment in Volume 5 of the Environmental Impact Statement, or thresholds of the Canadian Council of Ministers of the Environment's *Canadian Ambient Air Quality Standards*, modify or implement additional mitigation measures pursuant to condition 2.8, and update the human health and ecological risk assessment in Volume 5 of the Environmental Impact Statement. The Proponent shall submit any | |

| Condition Number | Condition Requiring Consultation | How Alamos Considered Views and Information Received During or as a Result of Consultation (Engagement), and Resources Provided to Support Consultation (Engagement) Activities Participation |
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| | updates to the human health and ecological risk assessment to the Agency and relevant authorities. | |
| 6.4 | The Proponent shall develop, in consultation with Indigenous groups, and implement a follow-up program to verify the accuracy of the environmental assessment and determine the effectiveness of the mitigation measures as it pertains to adverse effects on the socio-economic conditions of Indigenous peoples from changes to the environment caused by the Designated Project. The Proponent shall solicit and incorporate additional information provided by Indigenous groups when monitoring these effects. The Proponent shall implement the follow-up program during all phases of the Designated Project. As part of the follow-up program, the Proponent shall:<br>6.4.1 monitor, based on the information provided by Indigenous groups that are trapping, harvesting, fishing or hunting within the local assessment areas, including Marcel Colomb First Nation and holders of registered trap lines:<br>6.4.1.1 the ability of trappers, harvesters, fishers and hunters to relocate, if required to do so, to new trapping, harvesting, fishing and hunting sites used for traditional purposes, including registered trap lines;<br>6.4.1.2 the quantity and quality of resources obtained through trapping, harvesting, fishing and hunting activities; and<br>6.4.1.3 the changes in socio-economic conditions of Indigenous groups, including any additional financial costs incurred by Marcel Colomb First Nation and holders of registered trap lines, as they relate to the relocation of trapping, harvesting, fishing and hunting activities. | In 2025, Alamos advanced Condition 6.4 through engagement with Indigenous Nations regarding the potential revival of an Indigenous Harvest Study under Condition 6.4.1. Discussions focused on the purpose, scope, and intent of the study and its role in verifying environmental assessment predictions related to socio-economic conditions and land and resource use. Alamos reiterated that any harvest study would be Indigenous-led, voluntary, and dependent on community interest and capacity, and would complement existing regulatory monitoring processes. Quarterly EAC meetings provided opportunities for Indigenous Nations to share Indigenous Knowledge related to trapping, harvesting, fishing, and hunting. No LLGP-specific or regional harvest data were provided during the 2025 reporting period.While no formal monitoring under Conditions 6.4.1.1 to 6.4.1.3 was undertaken in 2025 due to the absence of community-provided harvest data, engagement activities established a foundation for future participation should Indigenous Nations elect to proceed. |
| 6.5 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups and relevant authorities, a follow-up program to verify the accuracy of the environmental assessment and | Monitoring results from the NVMP monitoring program were reviewed and discussed with Indigenous Nations through the EAC. No exceedances of applicable criteria or |

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| | determine the effectiveness of mitigation measures as it pertains to noise and vibration from the Designated Project on the health of Indigenous peoples. The Proponent shall implement the follow-up program during all phases of the Designated Project. As part of the follow-up program, the Proponent shall:<br>6.5.1 monitor noise and vibration levels at receptors identified in Volume 1 Chapter 7 Tables 7-7 to 7-10 of the Environmental Impact Statement, and at any other human receptors identified in consultation with Indigenous groups. | thresholds were identified from blasting or other construction-related noise and vibration monitoring in 2025, and no additional mitigation measures were required. |
| 7.1 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups and relevant authorities, and implement, during all phases of the Designated Project, an archaeological and heritage resource management plan for any structures, sites or things of historical, archaeological, paleontological or architectural significance discovered within the Project development areas. As part of the archaeological and heritage resource management plan, the Proponent shall:<br>7.1.1 immediately halt work at the location of the discovery, except for actions required to be undertaken to protect the integrity of the discovery;<br>7.1.2 delineate an area of at least 50 metres around the discovery as a no-work zone;<br>7.1.3 inform the Agency and Indigenous groups in writing within 24 hours of the discovery, and allow Indigenous groups to monitor and participate in archaeological works;<br>7.1.4 have a qualified individual, whose expertise pertains to the requirements of Manitoba's *Heritage Resources Act*, conduct an assessment at the location of the discovery, including sampling and construction monitoring on landforms of similar historic potential to the discovery site(s) within the Project development areas that are | In 2025, Alamos implemented the Project-specific Archaeological and Heritage Resource Management Plan (i.e.HCRPP) developed in engagement with Indigenous Nations and relevant authorities, consistent with Manitoba's legislative requirements. The plan includes detailed Chance Find Procedures outlining immediate work stoppage, establishment of a minimum 50-metre no-work buffer, notification protocols, engagement of a qualified professional under Manitoba's Heritage Resources Act, and engagement requirements with Indigenous Nations and regulators. |

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| | planned for development, prior to development in these areas; and<br>7.1.5 consult with Indigenous groups and relevant authorities on the manner by which to comply with all applicable legislative or legal requirements and protocols respecting the discovery, recording, transferring and safekeeping of previously unidentified structures, sites or things of historical, archaeological, paleontological or architectural significance. | |
| 7.2 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups, nation-specific measures to address the effects described in the Environmental Assessment Report caused by the Designated Project on cultural heritage, including tangible and intangible losses to culture. The Proponent shall implement the measures during all phases of the Designated Project and submit these measures to the Agency prior to implementing them, while ensuring that confidential information is protected. The Proponent shall report its discussions with Indigenous groups as part of the annual report referred to in condition 2.10, including the level of satisfaction of Indigenous groups with the implementation of the measures. As part of the measures, the Proponent shall:<br>7.2.1 develop and/or contribute to Indigenous-led program(s) and/or initiative(s) to preserve and enhance cultural heritage, including the transfer of intergenerational knowledge; and<br>7.2.2 develop, in collaboration with Indigenous groups, cultural awareness training for all employees associated with the Designated Project, including the cultural setting and providing an understanding of cultural practices, protocols and considerations. | Through quarterly EAC meetings, Alamos regularly invited all participating Indigenous Nations to share Indigenous Knowledge and identify any cultural elements, concerns, or priorities relevant to the Project. These discussions provided opportunities to incorporate additional information related to trapping, harvesting, land use, or other cultural values. While no specific cultural heritage issues were identified in 2025, this engagement approach supports preservation objectives and intergenerational knowledge transfer consistent with Condition 7.2.1. |
| 8.1 | The Proponent shall establish, prior to construction and in consultation with Indigenous groups, and maintain, during all phases of the Designated Project, an Indigenous Environmental Advisory | In 2025, Alamos maintained the EAC, established prior to construction in engagement with Indigenous Nations, consistent with Condition 8.1. All 13 engaged Indigenous |

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| | Committee (IEAC) related to ongoing Designated Project activities, including land use planning, and the development and implementation of follow-up programs, and mitigation measures. The Proponent shall invite Indigenous groups to engage in all IEAC activities, and shall consult participating Indigenous groups on the development of Terms of Reference for the IEAC. The Proponent shall strive to reach consensus on the Terms of Reference with participating Indigenous groups. The Proponent shall submit the final Terms of Reference to the Agency. As part of the Terms of Reference, the Proponent shall include:<br>8.1.1 the means by which the Proponent and Indigenous groups shall jointly identify topics to be discussed by the IEAC and the means by which the Proponent shall document these topics and discussions;<br>8.1.2 the frequency, timing and location of IEAC meetings during each phase of the Designated Project and the means by which the Proponent shall document meeting minutes and shall seek approval of the meeting minutes by Indigenous groups;<br>8.1.3 the means by which the Proponent shall share with the IEAC the following information, including when and how this information will be shared:<br>8.1.3.1 opportunities for participating in ongoing Designated Project activities, including land use planning, and the development and implementation of follow-up programs and mitigation measures;<br>8.1.3.2 opportunities for providing feedback on effects to cultural heritage, in accordance with condition 7.2, and how feedback will be addressed;<br>8.1.3.3 the results of the follow-up programs, including any modified or additional mitigation measures implemented or proposed to be implemented by the Proponent as a result of each follow-up requirement; and | Nations continued to receive meeting invitations, materials, and minutes, regardless of attendance, including the Manitoba Métis Federation following its decision to step back from active participation.<br>Four EAC meetings were held in 2025 in hybrid and virtual formats. Participating Nations included Marcel Colomb First Nation, Métis Nation–Saskatchewan, Nisichawayasihk Cree Nation, O-Pipon-Na-Piwin Cree Nation, Northlands Denesuline First Nation, and Peter Ballantyne Cree Nation. Discussions included monitoring results, regulatory submissions, mitigation measures, and opportunities for feedback, which informed ongoing Project implementation.<br>Alamos continues to provide information through multiple engagement pathways and remains open to participation by all Nations. |

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| | 8.1.3.4 other information as determined by the IEAC; and<br>8.1.4 the means by which the Proponent shall evaluate, in consultation with Indigenous groups, the Terms of Reference to determine whether administrative or management improvements are required to increase the efficiency and effectiveness of the IEAC. | |
| 10.1 | The Proponent shall conduct, prior to construction and in consultation with Indigenous groups and relevant authorities, pre-construction surveys within the Project development areas to identify woodland caribou (*Rangifer tarandus caribou*) calving and calf-rearing habitat. | Completed: Pre-construction surveys and associated engagement completed prior to the reporting period. |
| 10.4 | The Proponent shall develop and implement, during all phases of the Designated Project and in consultation with Indigenous groups, Environment and Climate Change Canada and any other relevant authorities, measures to mitigate adverse effects from the Designated Project on woodland caribou (*Rangifer tarandus caribou*) and its habitat, taking into account calving and calf-rearing habitat identified pursuant to condition 10.1, results from monitoring woodland caribou (*Rangifer tarandus caribou*) usage of the Project development areas pursuant to condition 10.2, and available results from any regional initiatives in which the Proponent participates pursuant to condition 10.3. The Proponent shall submit these measures to the Agency prior to implementation, and the measures shall include:<br>10.4.1 conducting site clearing activities outside of the woodland caribou (*Rangifer tarandus caribou*) calving and calf-rearing period (May 1 to June 30), unless otherwise authorized by relevant authorities;<br>10.4.2 giving preference to avoiding the destruction or alteration of habitat over minimizing the destruction or alteration of habitat, to minimizing the destruction or alteration of habitat over restoring altered or destroyed habitat on-site, and to restoring altered or | In 2025, Alamos implemented the WMMP, which incorporates all requirements of Condition 10.4. Monitoring results were shared with Indigenous Nations during engagement activities. Feedback and questions regarding monitoring approach and results were received and considered through ongoing discussions and adaptive management. Engagement was supported through regular meetings, data sharing, and follow-up communication (see Appendix A). |

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| | destroyed habitat on-site over offsetting for habitat that must be removed as a result of Designated Project activities; and<br>10.4.3 as part of progressive reclamation referred to in condition 5.7, removing and reclaiming all linear features when they are no longer required for the Designated Project, to impede woodland caribou (*Rangifer tarandus caribou*) predator access to linear features in the Project development areas, including the distribution line right of way, and any access roads identified in consultation with Indigenous groups and relevant authorities as no longer being used for other purposes. | |
| 10.5 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups and relevant authorities, a follow-up program to verify the accuracy of the environmental assessment and determine the effectiveness of all mitigation measures related to adverse effects from the Designated Project on habitat, health and survival for woodland caribou (*Rangifer tarandus caribou*), including the mitigation measures used to comply with conditions 10.1 to 10.4. The Proponent shall implement the follow-up program during all phases of the Designated Project. | In 2025, Alamos implemented the WMMP, which incorporates all requirements of Condition 10.5. Monitoring results were shared with Indigenous Nations during engagement activities. Feedback and questions regarding monitoring approach and results were received and considered through ongoing discussions and adaptive management. Engagement was supported through regular meetings, data sharing, and follow-up communication (see Appendix A). |
| 12.2 | The Proponent shall develop, in consultation with Indigenous groups and relevant authorities, and implement, a follow-up program related to the effects of changing permafrost on the Designated Project and how these changes may adversely affect the current use of lands by Indigenous groups. As part of the follow-up program, the Proponent shall identify the type, degree and extent of residual permafrost remaining within the Project development areas following construction to be incorporated into the design of the Designated Project. | Condition 12.2 did not apply in 2025, as no construction to date has occurred in areas containing residual permafrost where future infrastructure will be developed. Consequently, no engagement with Indigenous Nations were required during the reporting period. The follow-up program will be implemented if construction occurs in areas with permafrost, including identification of residual permafrost to inform Project design and assess potential impacts on Indigenous land use. |
| 12.3 | The Proponent shall consult, prior to construction, Indigenous groups and relevant authorities on the measures to be implemented to | ERSPCP (Version 0) was shared with Indigenous Nations for feedback. Alamos considered any input and adjusted |

| Condition Number | Condition Requiring Consultation | How Alamos Considered Views and Information Received During or as a Result of Consultation (Engagement), and Resources Provided to Support Consultation (Engagement) Activities Participation |
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| | prevent accidents and malfunctions, including the likelihood, modes of failure and consequences of a dam breach. | the plan or provided rationale where changes were not feasible. Feedback and questions regarding monitoring approach and results were received and considered through ongoing discussions and adaptive management. Engagement was supported through regular meetings, data sharing, and follow-up communication (see Appendix A). |
| 12.4 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups and relevant authorities, an accidents and malfunctions response plan in relation to each phase of the Designated Project. The accident and malfunction plan for each phase shall include:<br>12.4.1 a description of the types of accidents and malfunctions that may cause adverse environmental effects during that phase;<br>12.4.2 the measures to be implemented in response to each type of accident and malfunction referred to in condition 12.4.1 to mitigate any adverse environmental effect caused by the accident or malfunction; and<br>12.4.3 for each type of accident and malfunction referred to in condition 12.4.1, the roles and responsibilities of the Proponent and each relevant authority in implementing the measures referred to in condition 12.4.2 and for mobilizing emergency response equipment. | In 2025, Alamos maintained and implemented the Accidents and Malfunctions Response Plan (i.e. ERSCPCP) developed through engagement with Indigenous Nations and relevant authorities, consistent with Condition 12.4. The plan outlines potential accidents and malfunctions, associated mitigation measures, and the roles and responsibilities of Alamos and relevant authorities for emergency response.<br>On May 17, 2025, the plan was activated following a fire at the MacLellan site. Alamos immediately implemented response measures to mitigate environmental effects and mobilized external assistance to fully suppress the fire. Indigenous Nations were notified through written correspondence to all EAC members, including details of the incident, location, and status of response actions, with follow-up communication provided once the fire was under control. Relevant authorities and IAAC were also notified in accordance with regulatory requirements. Engagement with Indigenous Nations in 2025 included discussions of the incident and the response through the EAC, ensuring transparency and confirming that roles and responsibilities defined in the response plan were followed. This activity demonstrated the application of the |

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| | | plan for potential accidents and malfunctions during the Project. |
| 12.7 | The Proponent shall develop, in consultation with Indigenous groups, a communication plan for accidents and malfunctions occurring in relation to the Designated Project. The Proponent shall develop the communication plan prior to construction and shall implement and keep it up to date during all phases of the Designated Project. The plan shall include:<br>12.7.1 the types of accidents and malfunctions requiring the Proponent to notify the Indigenous groups;<br>12.7.2 the manner by which Indigenous groups shall be notified by the Proponent of an accident or malfunction and of any opportunity for the Indigenous groups to assist in the response to the accident or malfunction; and<br>12.7.3 the names and contact information of the Proponent and Indigenous group representatives for the purposes of notifying pursuant to condition 12.7.2 and communicating about accidents and malfunctions. | Alamos developed the Accidents and Malfunctions Communication Plan (included in the ERSPCP) prior to construction in engagement with Indigenous Nations, consistent with Condition 12.7. Any feedback and questions received during the upcoming reporting period will be considered through ongoing discussions and adaptive management. Engagement was supported through regular meetings, data sharing, and follow-up communication (see Appendix A). All communication protocols and contact information are maintained and regularly updated as necessary. |

## 2.4. Summary of Follow-up Program Information and Results as per Condition 2.10.4 and 2.10.5

Condition 2.10.4 states that the annual report must include the information referred to in Conditions 2.5 and 2.8 for each follow-up program. Condition 2.5 and 2.8 are:

2.5 *The Proponent shall, where a follow-up program is a requirement of a condition set out in this Decision Statement, determine, as part of the development of each follow-up program and in consultation with Indigenous groups and any other parties being consulted during the development, the following information, unless otherwise specified in the condition:*

- 2.5.1 *the methodology, location, frequency, timing and duration of monitoring associated with the follow-up program;*
- 2.5.2 *the scope, content and frequency of reporting of the results of the follow-up program to the parties consulted for the development of the follow-up program;*
- 2.5.3 *the minimum frequency at which the follow-up program must be reviewed and, if necessary, updated;*
- 2.5.4 *the levels of environmental change relative to baseline that would require the Proponent to implement modified or additional mitigation measure(s), including instances where the Proponent may require Designated Project activities causing the environmental change to be stopped;*
- 2.5.5 *the technically and economically feasible mitigation measures to be implemented by the Proponent if monitoring conducted as part of the follow-up program shows that the levels of environmental change referred to in condition 2.5.4 have been reached or exceeded; and*
- 2.5.6 *the specific and measurable end points that must be achieved before the follow-up program can end. Those end points should indicate that the accuracy of the environmental assessment has been verified and/or that the mitigation measures are effective.*

2.8 *The Proponent shall, where a follow-up program is a requirement of a condition set out in this Decision Statement:*

- 2.8.1 *implement the follow-up program according to the information determined pursuant to condition 2.5;*
- 2.8.2 *conduct monitoring and analysis to verify the accuracy of the environmental assessment as it pertains to the particular condition and/or to determine the effectiveness of any mitigation measure;*
- 2.8.3 *determine whether modified or additional mitigation measure(s) are required based on the monitoring and analysis undertaken pursuant to condition 2.8.2;*
- 2.8.4 *if modified or additional mitigation measure(s) are required pursuant to condition 2.8.3, develop and implement these mitigation measure(s) as soon as feasible and monitor them pursuant to condition 2.8.2. The Proponent shall notify the Agency in writing within 48 hours of any modified or additional mitigation measure being implemented. If the Proponent implements any additional or modified mitigation measure not previously submitted to the Agency pursuant to condition 2.5, the Proponent shall submit a detailed description of the measure(s) to the Agency within 7 days of their implementation; and*

2.8.5 *report all results of the follow-up program to the Agency no later than March 31 following each reporting year during which the follow-up program is implemented and, subject to information determined pursuant to 2.5.2, to the parties being consulted during the development of the follow-up program.*

The follow-up programs that commenced during the reporting period include:

- Surface Water Management and Monitoring Plan (SWMMP) (conditions 3.12, 3.13)
- Groundwater Management and Monitoring Plan (GWMP) (conditions 3.12, 3.13)
- Air Quality Management and Monitoring Plan (AQMMP) (condition 6.3)
- Noise and Vibration Management and Monitoring Plan (NVMP) (condition 6.5)
- Wildlife Management and Monitoring Plan WMMP) (conditions 4.5, 4.6, 10.5)
- Acid Rock Drainage and Metal Leaching Management Plan (ARDMLMP) (condition 3.15)

The results of these follow-up programs that occurred in the 2025 reporting period are summarized in the individual MMP annual reports included in Appendices B – G of this report. No non-compliance events occurred during any of the follow-up monitoring program results for the 2025 monitoring period.

The Surface Water Management and Monitoring Plan – Annual Report included in Appendix B of this report, concluded that as a result of no construction activities occurring at the Gordon site, and the limited construction at the MacLellan site to the winter period between February 17, 2025, and May 27, 2025, the observed changes in water levels and discharge during the open-water monitoring period are considered to be environmentally driven and data collected did not trigger an Adaptive Management response. No non-compliance events occurred during the 2025 SWMMP follow-up monitoring program with respect to surface water quality. The adaptive management framework was not active in 2025 as no effluent discharges occurred at either mine site.

The Groundwater Management and Monitoring Plan – Annual Report included in Appendix C of this report, concluded that no development of the open pit, MRSA or TMF in 2025 and therefore no pumping of groundwater from the open pit, or historical underground workings at the MacLellan site occurred in the 2025 monitoring period, and there were no groundwater adaptive actions/responses required.

The Air Quality Management and Monitoring Plan – Annual Report included in Appendix D of this report, found that excluding the time of influence from wildfire smoke, the air emissions from the 2025 construction activities at the MacLellan site did not result measured ambient PM concentrations and total dustfall values that were greater than the Manitoba Ambient Air Quality Criteria or the Ontario Ambient Air Quality Criteria, respectively.

The Noise and Vibration Management and Monitoring Plan – Annual Report included in Appendix E of this report, concluded that noise and vibration effects at the closet residential receptor (i.e., Town of Lynn Lake) and traditional land use receptor (ID 86; 3 km from the MacLellan site) were below the thresholds. Alamos have not received any complaint from Stakeholders regarding noise or vibration related issues during 2025.

The Wildlife Management and Monitoring Plan – Annual Report included in Appendix F of this report, concluded that overall, monitoring results indicate that wildlife interactions and potential Project-related effects remained below established thresholds. No adaptive management actions were required during the 2025 reporting period, and monitoring will continue in accordance with regulatory requirements.

The Acid Rock Drainage and Metal Leaching Management Plan – Annual Report included in Appendix G of this report, found that no results deviated from predicted geochemical conditions and no non-compliant results were observed. No adaptive management actions were required during the 2025 reporting period, and monitoring will continue in accordance with regulatory requirements.

Follow-up programs with no results to report for the 2025 reporting period include:

- Aquatic Effects Monitoring Plan (AEMP) (condition 3.14)
- Environmental Effects Monitoring Plan (EEM) (condition 3.14)
- Country Foods Plan (CFP) (condition 6.3)
- Socio-economic Plan (SEP) (condition 6.4)

Other MMPs developed for the project but do not outline a federally required follow-up program include:

- Emergency Response and Spill Prevention and Contingency Plan (ERSPCP)
- Erosion and Sediment Control Plan (ESCP)
- Explosives Management Plan (ExMP)
- Blasting Management and Monitoring Plan (BMMP)
- Fish Salvage Plan (FSP)
- Greenhouse Gas Management Plan (GHGMP)
- Heritage and Cultural Resources Protection Plan (HCRPP)
- Soil Management and Rehabilitation Plan (SMRP)
- Traffic Access Plan (TAP)
- Vegetation and Weed Management Plan (VWMP)
- Waste Management Plan (WMP)

Activities undertaken and information on what components of the above plans were implemented in the 2025 reporting period are outlined in Table 1 in Section 2.1 and Table 3 below.

Table 3 presents a list of the required follow-up programs and references how Alamos has included the information required by Conditions 2.5 and 2.8.

Table 3: Follow-up Program Requirements

| Condition Number | Condition Requiring a Follow-up Program | Reference to Information Required as Per Condition 2.5 and 2.8 |
|---|---|---|
| 3.12 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups, Fisheries and Oceans Canada, Environment and Climate Change Canada and any other relevant authorities, a follow-up program to verify the accuracy of the environmental assessment and determine the effectiveness of the mitigation measures as they pertain to adverse environmental effects of the Designated Project on water quality, taking into account Environment and Climate Change Canada's *Metal Mine Technical Guidance for Environmental Effects Monitoring*. The Proponent shall implement the follow-up program during all phases of the Designated Project. As part of the follow-up program, the Proponent shall:<br>3.12.1 determine, in consultation with Indigenous groups, Environment and Climate Change Canada, and any other relevant authorities, the location and extent of mixing zones in water bodies that may be affected by the Designated Project;<br>3.12.2 monitor water quality in the newly formed pit lakes, tailings management facility, mine rock storage areas, contact water collection ponds, and receiving water bodies and watercourses upstream and downstream of the Project development areas, including at the edge and downstream of the edge of mixing zones identified pursuant to condition 3.12.1, Arbor Lake, Burge Lake, Cockeram Lake, Ellystan Lake, Farley Creek, Farley Lake, Gordon Lake, the Hughes River, the Keewatin River, the unnamed tributary of the Keewatin River, Minton Lake, Payne Lake, Susan Lake and Swede Lake, for all contaminants that may have adverse effects on fish and fish habitat, including aluminum, antimony, arsenic, calcium, copper, cyanide, fluoride, hexavalent chromium, iron, magnesium, methylmercury, phosphorus, selenium, and total and dissolved cadmium. Monitoring shall be conducted as follows:<br>3.12.2.1 beginning during construction and continuing through decommissioning, except in the newly formed pit lakes; and<br>3.12.2.2 beginning during decommissioning and continuing through post-closure in the newly formed pit lakes, until water quality is stable and improving and any contact water or seepage potentially released meets the Canadian Council of Ministers of the Environment's *Canadian Water Quality Guidelines of the Protection for Aquatic Life* and Manitoba's *Water Quality, Standards, Objectives, and Guidelines* | The SWMMP and GWMMP includes the methodology, location, frequency, timing, and duration of monitoring; the scope, content and frequency of reporting of the results; mitigation measures to be implemented; and adaptive management. The first Surface Water Management and Monitoring Plan- Annual Report (Appendix B) and Groundwater Management and Monitoring Plan- Annual Report (Appendix C) was completed this reporting period. Both monitoring programs were implemented during the 2025 reporting period, as required. |

| Condition Number | Condition Requiring a Follow-up Program | Reference to Information Required as Per Condition 2.5 and 2.8 |
|---|---|---|
| | pursuant to condition 3.7;<br>3.12.3 monitor prior to and throughout the process of dewatering, at locations and frequencies described in Lynn Lake Gold Project: Monitoring Program for Gordon Pit Dewatering to the Hughes River (Version 1) (Canadian Impact Assessment Registry Reference Number 80140, document 144) all contaminants that may have adverse effects on fish and fish habitat, including aluminum, antimony, arsenic, calcium, copper, cyanide, fluoride, hexavalent chromium, iron, magnesium, methylmercury, phosphorus, selenium, and total and dissolved cadmium. In doing so, offer any opportunities for Indigenous group participation in this monitoring discussed pursuant to condition 2.9;<br>3.12.4 monitor, beginning during construction, water quality in groundwater near the open pits, Farley Lake, Gordon Lake, the Keewatin River, the unnamed tributary of the Keewatin River, Minton Lake, the unnamed lakes northeast of Minton Lake, Payne Lake, Pump Lake and Susan Lake, up and down gradient from the tailings management facility, mine rock storage areas, ore and overburden stockpiles, and seepage collection systems. Monitoring shall be conducted for all contaminants that may have adverse effects on fish and fish habitat, including antimony, arsenic, iron, sodium, sulphate, and uranium at the Gordon site and aluminum, antimony, arsenic, cobalt, total cyanide, iron, lead, nitrate, nitrite, sodium, and sulphate at the MacLellan site;<br>3.12.5 monitor, during construction and operation, total suspended solids and turbidity in fish-bearing water bodies where Designated Project activities are undertaken in or near water frequented by fish; and<br>3.12.6 develop, in consultation with relevant authorities, and implement modified or additional mitigation measures, if the results of monitoring conducted pursuant to condition 3.12.2, 3.12.3 and 3.12.4 demonstrate any unanticipated effects attributable to the Designated Project, taking into account the Canadian Council of Ministers of the Environment's *Canadian Water Quality Guidelines of the Protection for Aquatic Life* or Manitoba's *Water Quality Standards, Objectives, and Guidelines*, whichever is most protective of fish and fish habitat, and predicted concentrations identified in Volume 1 Chapter 9 of the Environmental Impact Statement. | |

| Condition Number | Condition Requiring a Follow-up Program | Reference to Information Required as Per Condition 2.5 and 2.8 |
|---|---|---|
| 3.13 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups, Fisheries and Oceans Canada, Environment and Climate Change Canada and any other relevant authorities, a follow-up program to verify the accuracy of the environmental assessment and determine the effectiveness of the mitigation measures as they pertain to adverse environmental effects of the Designated Project on water quantity. The Proponent shall implement the follow-up program during all phases of the Designated Project. As part of the follow-up program, the Proponent shall:3.13.1 monitor, during all phases of the Designated Project, surface water instantaneous flows, lake levels and pH levels within Arbor Lake, Burge Lake, Cockeram Lake, Ellystan Lake, Farley Creek, Farley Lake, Gordon Lake, the Keewatin River, the unnamed tributary of the Keewatin River, Minton Lake, Payne Lake, Susan Lake, Swede Lake, fish-bearing wetlands within the local assessment areas, the East and Wendy pit lakes, newly formed pit lakes, the tailings management facility, and contact water collection ponds to verify the environmental assessment predictions identified in Volume 2 Chapter 10 of the Environmental Impact Statement and Appendix A Attachment IAAC-48 of the Proponent's IR Responses Round 1, Package 1 (Canadian Impact Assessment Registry Reference Number 80140, document #54);3.13.2 monitor, during all phases of the Designated Project, groundwater levels, gradients and hydraulic conductivity of all hydrogeological units, as identified in the groundwater model in Volume 5 Appendix F and G of the Environmental Impact Statement, with well depths ranging from near surface to a minimum of 115 meters below ground to characterize contaminant transport via groundwater at the depth of the groundwater model for the Designated Project. Monitoring wells shall be installed near the open pits, the tailings management facility, mine rock storage areas, ore and overburden stockpiles, and fish-bearing wetlands within the local assessment areas that intersect with the Project development areas; and3.13.3 develop, in consultation with relevant authorities, and implement modified or additional mitigation measures, if the results of monitoring conducted pursuant to condition 3.13.1 and 3.13.2 demonstrate unanticipated effects attributable to the Designated Project. | The SWMMP and GWMMP includes the methodology, location, frequency, timing, and duration of monitoring; the scope, content and frequency of reporting of the results; mitigation measures to be implemented; and adaptive management. The first Surface Water Management and Monitoring Plan- Annual Report (Appendix B) and Groundwater Management and Monitoring Plan- Annual Report (Appendix C) was completed this reporting period. Both monitoring programs were implemented during the 2025 reporting period, as required. |
| 3.14 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups, Fisheries and Oceans Canada, Environment and Climate Change | The AEMP and EEM include the methodology, location, frequency, timing, |

| Condition Number | Condition Requiring a Follow-up Program | Reference to Information Required as Per Condition 2.5 and 2.8 |
|---|---|---|
| | Canada and any other relevant authorities, a follow-up program to determine the effectiveness of the mitigation measures and verify the accuracy of the environmental assessment predictions identified in Volume 2 Chapter 10 of the Environmental Impact Statement as they pertain to adverse environmental effects of the Designated Project on fish and fish habitat, taking into account Environment and Climate Change Canada's *Metal Mine Technical Guidance for Environmental Effects Monitoring*. The Proponent shall implement the follow-up program during all phases of the Designated Project. As part of the follow-up program, the Proponent shall:<br>3.14.1 monitor, during all phases of the Designated Project, water temperature in Farley Creek, Farley Lake, Gordon Lake, the Hughes River, the Keewatin River, Minton Lake, the new diversion channel, and any additional locations identified in consultation with relevant authorities, taking into account predictions in Volume 2 Chapter 10 of the Environmental Impact Statement;<br>3.14.2 monitor total invertebrate density, taxon richness, Simpson's Evenness Index, Bray-Curtis Index, and chlorophyll a to characterize benthic invertebrate, plankton and periphyton communities in Farley Creek, Farley Lake, Gordon Lake, the Hughes River, the Keewatin River, Minton Lake, the new diversion channel, and any additional locations identified in consultation with Indigenous groups and relevant authorities, for the detection of project-related changes in nutrient and contaminant levels, taking into account predictions in Volume 2 Chapter 10 of the Environmental Impact Statement;<br>3.14.3 identify, in consultation with Indigenous groups, Fisheries and Oceans Canada and any other relevant authorities, fish species to monitor, including species used for traditional purposes by Indigenous groups. Species shall include northern pike (*Esox lucius*), lake whitefish (*Coregonus clupeaformis*), and white sucker (*Catostomus commersonii*); and<br>3.14.4 monitor, starting prior to construction and during all phases of the Designated Project, fish habitat quality and quantity end points for all species identified pursuant to condition 3.14.3, in Farley Creek, Farley Lake, Gordon Lake, the Keewatin River, Minton Lake, the new diversion channel, fish-bearing wetlands within and downstream of the Project development areas, and any additional locations identified in consultation with Indigenous groups and relevant authorities as, well as | and duration of monitoring; the scope, content and frequency of reporting of the results; mitigation measures to be implemented; and adaptive management. The first Aquatic Effects Monitoring Plan- Annual Report will be completed next reporting period or later based on the onset/ presence of contact water. No contact water was generated, and no discharge occurred during 2025; therefore, no monitoring program was implemented during 2025 and there are no results to report for the 2025 reporting period. |

| Condition Number | Condition Requiring a Follow-up Program | Reference to Information Required as Per Condition 2.5 and 2.8 |
|---|---|---|
| | in the Hughes River prior to and during the Construction phase and during the first year of the operation phase. | |
| 3.15 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups and relevant authorities, a follow-up program to verify the accuracy of the environmental assessment and the effectiveness of the mitigation measures as they pertain to acid rock drainage and metal leaching into the receiving environment from the Project development areas, including from the mine rock storage areas, ore stockpiles, and the tailings management facility. The Proponent shall implement the follow-up program during all phases of the Designated Project. In doing so, the Proponent shall:<br>3.15.1 verify that the covers installed at the mine rock storage areas and tailings management facility pursuant to condition 3.10.5 perform and continue to perform as predicted in Volume 1 Chapter 5 of the Environmental Impact Statement during all phases of the Designated Project, including post-closure. | The ARDMLMP includes the methodology, location, frequency, timing, and duration of monitoring; the scope, content and frequency of reporting of the results; mitigation measures to be implemented; and adaptive management. The first Acid Rock Drainage and Metal Leaching Management Plan- Annual Report (Appendix G) was completed this reporting period. The monitoring program was implemented during the 2025 reporting period, as required. |
| 4.5 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups and relevant authorities, a follow-up program to verify the accuracy of the environmental assessment and to determine the effectiveness of all mitigation measures to avoid harm to migratory birds, their eggs and nests, including the mitigation measures used to comply with conditions 4.1 through 4.3. The Proponent shall implement the follow-up program during all phases of the Designated Project. | The WMMP includes the methodology, location, frequency, timing, and duration of monitoring; the scope, content and frequency of reporting of the results; mitigation measures to be implemented; and adaptive management to avoid harm to migratory birds, their eggs and nests. The first Wildlife Management and Monitoring Plan- Annual Report (Appendix F) was completed this reporting period. The monitoring program was implemented during the 2025 reporting period, as required. |
| 4.6 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups and relevant authorities, a follow-up program to verify the accuracy of the environmental assessment and to determine the effectiveness of mitigation measures implemented pursuant to condition 4.4. In doing so, the | The WMMP includes the methodology, location, frequency, timing, and duration of monitoring; the scope, content and frequency of reporting of the results; |

| Condition Number | Condition Requiring a Follow-up Program | Reference to Information Required as Per Condition 2.5 and 2.8 |
|---|---|---|
| | Proponent shall:<br>4.6.1 monitor, from the beginning of operation until such time that the tailings management facility and contact water collection ponds have been reclaimed, migratory birds usage of Designated Project infrastructure where contact water is stored or conveyed pursuant to condition 4.4; and<br>4.6.2 develop, in consultation with Indigenous groups and relevant authorities, and implement modified or additional mitigation measures, including deterrents, if the results of the monitoring conducted pursuant to condition 4.6.1 demonstrate migratory bird usage of Designated Project infrastructure where contact water is stored or conveyed. These measures shall be implemented until such time that the tailings management facility and contact water collection ponds have been reclaimed, and results of water quality monitoring for these structures conducted pursuant to condition 3.12.2 show that water quality objectives established in consultation with Indigenous groups and relevant authorities, taking into account an ecological risk-based approach, are met. | mitigation measures to be implemented; and adaptive management to prevent migratory birds from using Designated Project infrastructure where contact water is stored or conveyed. The first Wildlife Management and Monitoring Plan- Annual Report (Appendix F) was completed this reporting period. The monitoring program was implemented during the 2025 reporting period, as required. |
| 6.3 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups, Health Canada, Environment and Climate Change Canada and any other relevant authorities, a follow-up program to verify the accuracy of the environmental assessment as it pertains to adverse environmental effects from the Designated Project on air quality and country foods as it relates to the health of Indigenous peoples, taking into account available Indigenous knowledge provided by Indigenous groups related to current use of lands and resources for traditional purposes. The Proponent shall implement the follow-up program during all phases of the Designated Project. As part of the implementation of the follow-up program, the Proponent shall:6.3.1 identify, in consultation with Indigenous groups, the species of fish, vegetation and wildlife consumed as country foods that may be adversely affected by the Designated Project and the locations where these species shall be monitored;6.3.2 monitor, beginning prior to construction and continuing through post-closure, contaminants of potential concern, including arsenic, copper, mercury, methylmercury and selenium, in the species and at the locations identified pursuant to condition 6.3.1; 6.3.3 monitor, throughout construction and operation, ambient air concentrations of total suspended particulates, PM10 and PM2.5 at locations | The AQMMP and CFP includes the methodology, location, frequency, timing, and duration of monitoring; the scope, content and frequency of reporting of the results; mitigation measures to be implemented; and adaptive management to adverse environmental effects from the Designated Project on air quality and country foods. The first Air Quality Management and Monitoring Plan- Annual Report (Appendix D) was completed this reporting period. The monitoring program was implemented during the 2025 reporting period, as required. Condition 6.3 was managed in accordance with the approved follow-up framework; the CFP requires one monitoring event during construction which |

| Condition Number | Condition Requiring a Follow-up Program | Reference to Information Required as Per Condition 2.5 and 2.8 |
|---|---|---|
| | identified in consultation with Indigenous groups, and upwind and downwind from the Project development areas, taking into account 24-hour and 1-hour thresholds in the Canadian Council of Ministers of the Environment's *Canadian Ambient Air Quality Standards*; 6.3.4 monitor, during all phases of the Designated Project, dustfall at locations identified in consultation with Indigenous groups, and upwind and downwind from the Project development areas;6.3.5 monitor ambient air concentrations of nitrogen dioxide (NO2) at locations identified in consultation with Indigenous groups and relevant authorities, for at least two consecutive months during year 2 of operation, and continue to monitor during all phases of the Designated Project if the monitoring results exceed predicted levels in the atmospheric dispersion model in Volume 1 Chapter 6 of the Environmental Impact Statement;6.3.6 monitor meteorological conditions (including wind speed, wind direction, temperature and relative humidity) upwind and downwind of the Project development areas, during construction and operation; and6.3.7 if the monitoring results referred to in conditions 6.3.2 to 6.3.5 exceed predicted levels in the atmospheric dispersion model in Volume 1 Chapter 6 of the Environmental Impact Statement, taking into account the results of monitoring meteorological conditions pursuant to condition 6.3.6, the human health and ecological risk assessment in Volume 5 of the Environmental Impact Statement, or thresholds of the Canadian Council of Ministers of the Environment's *Canadian Ambient Air Quality Standards*, modify or implement additional mitigation measures pursuant to condition 2.8, and update the human health and ecological risk assessment in Volume 5 of the Environmental Impact Statement. The Proponent shall submit any updates to the human health and ecological risk assessment to the Agency and relevant authorities. | was not scheduled in 2025. Monitoring required under Conditions 6.3.3 and 6.3.4 was conducted through the Project's ambient air quality monitoring program (see Appendix D). In accordance with Condition 6.3.6, meteorological data were also recorded throughout the construction period. Condition 6.3.5 ($NO_2$ monitoring during Year 2 of operation) was not applicable in 2025. No exceedances of applicable thresholds or predicted levels were identified in 2025; therefore, Condition 6.3.7 was not triggered and no additional mitigation measures or updates to the human health and ecological risk assessment were required. |
| 6.4 | The Proponent shall develop, in consultation with Indigenous groups, and implement a follow-up program to verify the accuracy of the environmental assessment and determine the effectiveness of the mitigation measures as it pertains to adverse effects on the socio-economic conditions of Indigenous peoples from changes to the environment caused by the Designated Project. The Proponent shall solicit and incorporate additional information provided by Indigenous groups when monitoring these effects. The Proponent shall implement the follow-up program during all phases of the Designated Project. As part of the follow-up program, the Proponent | The SEP outlines the follow-up program as it pertains to adverse effects on the socio-economic conditions of Indigenous peoples from changes to the environment caused by the Designated Project. During 2025, Alamos engaged Indigenous Nations regarding the potential revival of the Indigenous Harvest |

| Condition Number | Condition Requiring a Follow-up Program | Reference to Information Required as Per Condition 2.5 and 2.8 |
|---|---|---|
| | shall:6.4.1 monitor, based on the information provided by Indigenous groups that are trapping, harvesting, fishing or hunting within the local assessment areas, including Marcel Colomb First Nation and holders of registered trap lines:6.4.1.1 the ability of trappers, harvesters, fishers and hunters to relocate, if required to do so, to new trapping, harvesting, fishing and hunting sites used for traditional purposes, including registered trap lines;6.4.1.2 the quantity and quality of resources obtained through trapping, harvesting, fishing and hunting activities; and6.4.1.3 the changes in socio-economic conditions of Indigenous groups, including any additional financial costs incurred by Marcel Colomb First Nation and holders of registered trap lines, as they relate to the relocation of trapping, harvesting, fishing and hunting activities. | Study as required under Condition 6.4.1 of the FDS. |
| 6.5 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups and relevant authorities, a follow-up program to verify the accuracy of the environmental assessment and determine the effectiveness of mitigation measures as it pertains to noise and vibration from the Designated Project on the health of Indigenous peoples. The Proponent shall implement the follow-up program during all phases of the Designated Project. As part of the follow-up program, the Proponent shall:<br>6.5.1 monitor noise and vibration levels at receptors identified in Volume 1 Chapter 7 Tables 7-7 to 7-10 of the Environmental Impact Statement, and at any other human receptors identified in consultation with Indigenous groups. | The NVMP includes the methodology, location, frequency, timing, and duration of monitoring; the scope, content and frequency of reporting of the results; mitigation measures to be implemented; and adaptive management as it pertains to noise and vibration from the Designated Project on the health of Indigenous peoples. The first Noise and Vibration Management and Monitoring Plan- Annual Report (Appendix E) was completed this reporting period. The monitoring program was implemented during the 2025 reporting period, as required. |
| 9.3 | [Removed, *Budget Implementation Act, 2024*] | N/A: condition removed. |
| 10.5 | The Proponent shall develop, prior to construction and in consultation with Indigenous groups and relevant authorities, a follow-up program to verify the accuracy of the environmental assessment and determine the effectiveness of all mitigation measures related to adverse effects from the Designated Project on habitat, health and survival for woodland caribou (*Rangifer tarandus caribou*), including the mitigation measures used to comply with conditions 10.1 to 10.4. The | The WMMP includes the methodology, location, frequency, timing, and duration of monitoring; the scope, content and frequency of reporting of the results; mitigation measures to be implemented; and adaptive management related to |

| Condition Number | Condition Requiring a Follow-up Program | Reference to Information Required as Per Condition 2.5 and 2.8 |
|---|---|---|
|  | Proponent shall implement the follow-up program during all phases of the Designated Project. | adverse effects from the Designated Project on habitat, health and survival for woodland caribou (*Rangifer tarandus caribou*). The first Wildlife Management and Monitoring Plan-Annual Report (Appendix F) was completed this reporting period. The monitoring program was implemented during the 2025 reporting period, as required. |

## 2.5. Annual Updates to Required Plans as per Condition 2.10.6

No updates were made in the 2025 reporting period to any plan that is a requirement of a condition set out in the FDS (Fish Habitat Offsetting Plan, Accidents and Malfunctions Response Plan, Accidents and Malfunctions Communication Plan, Archaeological and Heritage Resource Management Plan).

## 2.6. Modified Mitigation Measures as per Condition 2.10.7 and in compliance with Condition 2.8

No mitigation measures included in the follow-up programs were modified in the 2025 reporting period. Alamos has identified several changes and will amend the plans following approval of the current NOA/NOCs.

# Appendices

# Appendix A

# 2025 Engagement Summary – Annual Report

# Lynn Lake Gold Project: 2025 Engagement Summary – Annual Report

March 19, 2026

Alamos Gold Inc.

LYNN LAKE

# Executive Summary

Alamos Gold Inc. commenced construction of the Lynn Lake Gold Project in February 2025, following federal and provincial approvals received in 2023 and subsequent amendments in 2025. The Project includes open pit mining at the MacLellan and Gordon sites near Lynn Lake, Manitoba. This Engagement Summary Report supports the 2025 Annual Compliance Report and demonstrates compliance with Condition 2.10.3 of the federal Decision Statement, outlining how Indigenous views and information were considered and how participation in engagement activities was supported.

Throughout 2025, Alamos undertook extensive and ongoing engagement with 13 Indigenous Nations regarding regulatory submissions, project planning, environmental management, and monitoring programs. Engagement activities were conducted through multiple channels, including meetings, site visits, written correspondence, and the Environmental Advisory Committee (EAC). Alamos emphasized transparency, timely information sharing, and flexibility in review timelines to address capacity constraints. All feedback received was documented, reviewed, and addressed through written responses, with input incorporated where feasible within regulatory and technical constraints.

Key engagement topics included mine plan amendments (NOA/NOC submissions), management and monitoring plans, the Hughes River discharge, fisheries authorization and offsetting, and the Indigenous Harvest Study. Indigenous feedback directly informed enhancements to monitoring programs, mitigation measures, and project planning, including the development of a discharge-specific monitoring plan. While not all concerns resulted in changes, Alamos maintained open communication, provided rationale where needed, and continued to support participation through funding, information access, and adaptive management. Oversight by an Independent Environmental Monitor and ongoing regulatory review further supported transparency and accountability in meeting engagement obligations.

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# 1 Introduction

Alamos Gold Inc. (Alamos) commenced construction of the Lynn Lake Gold Project (the Project) in February 2025. The Project – located near the Town of Lynn Lake in northwestern Manitoba – includes open pit mining at two previous mine sites: the MacLellan site, located approximately 7 kilometres (km) northeast of Lynn Lake, and the Gordon site, located approximately 38 km east of Lynn Lake (Map 1, Appendix A).

The Project received a positive Decision Statement from the Impact Assessment Agency of Canada (IAAC) under section 54 of the Canadian Environmental Assessment Act, 2012 on March 5, 2023, which was amended August 6, 2025. The Project also received separate licences under The Environment Act for the "MacLellan Gold Mine" (Licence No. 3391) and the "Gordon Gold Mine" (Licence No. 3390) from the Government of Manitoba on March 6, 2023.

This Engagement Summary Report along with Table 2 included in the Lynn Lake Gold Project Annual Compliance Report for the 2025 reporting period outline Alamos' engagement compliance as per condition 2.10.3 of the Federal Decision Statement. Condition 2.10.3 of the Federal Decision Statement states:

> *2.10.3 for conditions set out in this Decision Statement for which consultation is a requirement, how the Proponent considered any views and information that the Proponent received during or as a result of the consultation, and the resources provided to support their participation in consultation activities;*

During the 2025 reporting period, Alamos undertook extensive engagement with Indigenous Nations in relation to regulatory submissions, project planning, and environmental management for the Lynn Lake Gold Project (LLGP). Engagement activities were conducted in accordance with Condition 2.10.3 of the Federal Decision Statement and applicable provincial licence requirements and were designed to support transparent information sharing and meaningful opportunities for involvement and feedback and included documented responses by Alamos.

Since 2015, including the 2025 reporting period, Alamos has engaged with the following 13 Indigenous Nations regarding the LLGP:

- Marcel Colomb First Nation
- Mathias Colomb Cree Nation
- Nisichawayasihk Cree Nation
- O-Pipon-Na-Piwin Cree Nation
- Manitoba Métis Federation
- Peter Ballantyne Cree Nation

- Barren Lands First Nation
- Métis Nation – Saskatchewan Eastern Region 1
- Métis Nation – Saskatchewan Northern Region 1
- Hatchet Lake First Nation
- Northlands Denesuline First Nation
- Sayisi Dene First Nation
- Chemawawin Cree Nation

Engagement in 2025 focused on Notices of Alteration (NOA) and Notices of Change (NOC) relating to mine plan amendments for the Gordon and MacLellan sites, the Gordon Closure Plan (required under provincial licence), Fisheries Act Authorization–related matters, discussion of the Indigenous harvest study, implementation of approved Management and Monitoring Plans, and continued operation of the Environmental Advisory Committee (EAC). Throughout the reporting period, Alamos emphasized early notification, flexibility in review timelines where feasible, and clear written responses to Indigenous input.

# 2 Engagement Methods, Timing Flexibility, and Support for Participation

Throughout 2025, Alamos continued engagement with Indigenous Nations through written correspondence, meetings, established forums, and site visits to discuss regulatory submissions, monitoring programs, and project-related updates. Engagement was structured to provide meaningful opportunities for Indigenous Nations to share views and information, and all feedback received was reviewed and addressed in a comprehensive and transparent manner.

Where Indigenous Nations identified capacity constraints or requested additional time to review materials, Alamos applied flexibility where feasible, recognizing that meaningful engagement requires adequate time and information, even where this flexibility affected internal planning, construction timelines, or regulatory schedules.

To support participation, Alamos provided timely access to draft and final regulatory submissions, technical supporting materials, and meeting presentations. Indigenous Nations were provided opportunities to submit written comments and supplemental information, and Alamos issued documented written responses to all substantive feedback received. Engagement opportunities were provided through multiple channels, including Environmental Advisory Committee meetings, in-person site visits, and written correspondence.

Information received following regulatory decisions or plan finalization was reviewed and considered for future updates, consistent with the adaptive management framework and annual reporting requirements under Condition 2.10.6 of the FDS. While engagement does not imply agreement on all issues raised, Alamos remains committed to documenting concerns, explaining decisions, and incorporating feedback where appropriate within regulatory, technical, and project scope constraints.

# 3 Environmental Advisory Committee

All 13 engaged Indigenous Nations have been included in Environmental Advisory Committee (EAC) document sharing, meeting invitations, and plan reviews, regardless of attendance. Meeting materials and minutes are distributed to all Nations, including the Manitoba Métis Federation, following its decision to step back from active participation in the EAC. This approach ensures transparency and continued access to information in accordance with Condition 8.1 of the FDS.

The first EAC meeting was held on October 23, 2023. Since that time, Alamos has hosted nine EAC meetings, including in 2025:

- A hybrid (in-person and virtual) meeting on January 20, 2025, with Marcel Colomb First Nation attending in person and Métis Nation Saskatchewan attending online.
- A hybrid (in-person and virtual) meeting on May 23, 2025, with Marcel Colomb First Nation, Nisichawayasihk Cree Nation, Northlands Denesuline First Nation, and the Independent Environmental Monitor attending in person, and O-Pipon-Na-Piwin Cree Nation attending online.
- A virtual meeting on August 29, 2025, with Métis Nation Saskatchewan in attendance.
- A meeting open to the public on November 21, 2025 (as required under provincial Environment Act licences), with Marcel Colomb First Nation attending in person, and Peter Ballantyne Cree Nation and the Province of Manitoba attending online.

Meeting materials and minutes were distributed to all engaged Indigenous Nations, including those not actively participating in the EAC, to ensure transparency and ongoing access to information.

In parallel with the EAC, Alamos maintains ongoing engagement with Marcel Colomb First Nation through subcommittees established under the Impact and Benefit Agreement signed in 2023. A second Impact and Benefit Agreement was signed with Mathias Colomb Cree Nation on March 5, 2025. Implementation of this agreement is ongoing, and similar subcommittee structures are anticipated to be established for Mathias Colomb Cree Nation as part of that agreement. These non-regulatory forums are intended to further integrate Indigenous Knowledge into project planning and operations and provide opportunities for participation in the LLGP.

Active participating Indigenous Nations in EAC meetings during 2025 included Marcel Colomb First Nation, Métis Nation – Saskatchewan, Nisichawayasihk Cree Nation, O-Pipon-Na-Piwin Cree Nation, Northlands Denesuline First Nation, and Peter Ballantyne Cree Nation.

EAC discussions in 2025 covered project updates, monitoring data sharing and interpretation, proposed mine plan changes and NOA and NOC submissions, fisheries and water monitoring, and upcoming field activities. Indigenous Nations used the EAC to raise questions, seek clarification, and provide feedback. Alamos provided responses during meetings and, where required, through follow-up written correspondence.

Concerns were raised regarding the volume and timing of materials, review capacity, and alignment of engagement timelines with regulatory processes. Alamos acknowledged these concerns and, where feasible, provided schedule flexibility, additional meetings, and supplementary materials. Feedback raised through the EAC was tracked and informed regulatory submissions, monitoring implementation, and future engagement activities where applicable.

In early 2025, the Manitoba Métis Federation advised Alamos of its decision to step back from active participation in the EAC. Despite this, Alamos continues to ensure they receive all relevant meeting materials and project information so that they remain fully informed, unless and until they formally retract themselves from the LLGP in writing. Alamos is committed to ongoing engagement with the Manitoba Métis Federation and has ensured that they have the same access to information as all other Indigenous Nations through the EAC. The EAC was established as a transparent and structured forum to share information, provide project updates, and respond to questions.

Alamos also notes that the Impact Assessment Agency of Canada (IAAC) is maintaining an investigative role to confirm that Alamos is meeting its due diligence obligations in respect of engagement with Indigenous Nations, but in particular with the Manitoba Métis Federation. This process remains ongoing, and Alamos continues to provide information to IAAC as requested to demonstrate our compliance with all requirements.

Despite Manitoba Métis Federation's lack of participation in the EAC, Alamos has taken steps to ensure that data, reports, and updates are shared directly with Manitoba Métis Federation through other communication channels. This includes providing documentation in parallel with EAC distributions and making ourselves available for direct discussions outside of the committee setting. In this way, Alamos is maintaining open lines of communication and fulfilling our commitment to transparency and engagement until Manitoba Métis Federation reconnects or clearly and formally withdraws from the project. Alamos remained open to Manitoba Métis Federation rejoining the EAC at any time and reiterated that the committee remains a standing forum for collaborative discussion and information sharing. By maintaining multiple engagement pathways, Alamos ensured that Manitoba Métis Federation's decision to step back from the EAC has not limited its ability to receive information, provide views, or influence Project-related decision-making.

# 4 Independent Environmental Monitor

An Independent Environmental Monitor (IEM) conducted oversight activities at the LLGP throughout 2025. The IEM provided objective review of environmental management and monitoring programs and supported verification that mitigation measures were implemented as intended.

IEM observations were shared with Indigenous Nations, supporting transparency and providing an additional mechanism to review environmental performance. The IEM also provided input related to engagement processes, helping ensure that Indigenous feedback was captured, considered, and addressed appropriately.

Where recommendations could not be incorporated due to regulatory, technical, or operational constraints, Alamos provided written rationale. The IEM participated in multiple EAC meetings, including the May 2025 in-person meeting, and provided independent reports to IAAC, as required.

# 5 Engagement Topics

## 5.1 Indigenous Harvest Study

During 2025, Alamos engaged Indigenous Nations regarding revival of the Indigenous Harvest Study required under Condition 6.4.1 of the FDS. Engagement focused on the purpose, scope, and intent of a potential study and its role in understanding current land and resource use.

Alamos emphasized that any harvest study would be Indigenous-led and voluntary, contingent on community interest and capacity, and intended to complement, not replace, existing regulatory assessment and monitoring processes.

Each quarterly EAC meeting included opportunities for Indigenous Nations to share Indigenous Knowledge related to trapping, harvesting, fishing, or hunting. No LLGP specific or regional harvest data were provided during the 2025 reporting period. Engagement in 2025, however, established the foundation for potential future participation should Nations elect to proceed.

## 5.2 Management and Monitoring Plans

No new Management and Monitoring Plans (MMPs) or updates were submitted for review in 2025. In January 2025, Alamos issued finalized “Version 0” MMPs following Indigenous engagement initiated in 2024. Finalized plans and written response matrices were provided to Indigenous Nations.

Formal feedback on the MMPs was received from Marcel Colomb First Nation and the Manitoba Métis Federation. Where comments were incorporated, changes were reflected in the finalized plans; where comments could not be incorporated, Alamos provided written rationale based on regulatory, technical, or scope considerations.

Examples of feedback included requests from Marcel Colomb First Nation for increased water quality monitoring frequency and additional parameters during construction and early operations. Alamos reviewed baseline variability and regulatory requirements and adjusted monitoring timing during higher-risk periods, such as freshet, while providing rationale where continuous monitoring was not technically warranted. Requests to expand cumulative effects considerations beyond the approved assessment scope were reviewed, with Alamos confirming that cumulative effects had been addressed in accordance with regulatory guidance and that ongoing monitoring would inform future understanding.

The Manitoba Métis Federation provided feedback related to fisheries monitoring, offsetting measures, and independent oversight. Alamos reviewed these comments, clarified monitoring design and laboratory accreditation, confirmed data sharing commitments, and provided written explanations where requests exceeded the scope of the MMPs.

Marcel Colomb First Nation provided additional improvement suggestions (upgrades) on the Version 0 finalized MMPs on February 2, 2025. The upgrade suggestions included references to the Impact and Benefit Agreement into multiple plans, the incorporation of additional Marcel Colomb First Nation protocols into the Heritage and Cultural Resource Protection Plan, additional focus on fur-bearing animal monitoring into the Wildlife Management and Monitoring Plan, the inclusion of Rainbow Trout and Brook Trout and additional cross-referencing into the Emergency Response and Spill Prevention and Contingency Plan, fish sampling in conjunction with fish salvage in the Fish Salvage Plan, clarifications and/or augmentation of the Aquatic Effects Monitoring Plan, Surface Water Management and Monitoring Plan and Groundwater Management and Monitoring Plan, and additional reporting to Marcel Colomb First Nation for the Erosion and Sediment Control Plan. Alamos has committed to reviewing these suggestions when the MMPs are next updated (Version 1; anticipated in 2026 following regulatory approval of the NOAs/NOCs).

While no other Indigenous Nations submitted formal MMP comments, feedback regarding review timelines and capacity was received. Alamos responded by accommodating deadline extensions where feasible and reiterating that all MMPs are living documents subject to future adaptive updates under Condition 2.10.6 of the FDS.

## 5.3 Notices of Alteration / Notices of Change – MacLellan and Gordon Mine Plan Changes

In 2025, Alamos engaged Indigenous Nations on the NOA/NOC submissions related to proposed mine plan changes at the Gordon and MacLellan sites. Indigenous Nations, including Marcel Colomb First Nation, provided substantial written submissions raising concerns related to potential environmental effects, cumulative effects, monitoring, and regulatory process. Some submissions requested expanded assessment and additional regulatory review.

Alamos carefully reviewed all submissions of feedback and provided comprehensive written responses addressing the issues raised. Responses clarified the scope of the proposed mine plan changes, confirmed consistency with previously assessed project effects, and described applicable mitigation measures, monitoring programs, and regulatory oversight. Where concerns related to matters already addressed through existing approvals or authorizations, this was clearly explained. Where additional clarification or information could be provided, Alamos did so.

Recognizing capacity and timing constraints raised by Indigenous Nations, Alamos allowed flexibility in engagement timelines where feasible, despite receiving feedback post the review timeline and despite impacts to internal planning and construction scheduling. Indigenous Nations were provided with opportunities to submit comments and supplemental information, and Alamos' responses were issued in a timely and documented manner. Engagement related to the MacLellan and Gordon NOA/NOC submissions continued through written correspondence and discussion at EAC meetings throughout the reporting period. Additionally, on request, Alamos presented information directly to Marcel Colomb First Nation on the NOA/NOC content for both sites on December 9, 2025. Representatives from the Province of Manitoba and IAAC were also in attendance.

For the MacLellan site, no feedback was received during the pre-submission review period. General feedback received during the regulatory technical review period from Indigenous Nations (specifically Marcel Colomb First Nation) focused on potential effects associated with changes to mine sequencing, mine rock and tailings management, water management infrastructure, and downstream aquatic effects. Marcel Colomb First Nation also specifically raised concerns regarding potential changes in seepage pathways and water quality risks resulting from the revised mine plan, including the need for clarity on monitoring locations, trigger thresholds, and response measures. Alamos reviewed these comments in detail against the approved environmental assessment, existing monitoring data, and regulatory requirements, and provided written responses clarifying how seepage and water quality risks would continue to be managed through existing monitoring networks and adaptive management frameworks. Where requests extended beyond the scope of the proposed changes or duplicated requirements already governed by approved authorizations and management plans, Alamos provided rationale explaining why additional measures were not warranted. Questions regarding cumulative effects and long-term closure implications were also raised; Alamos responded by confirming that the proposed changes remained within the bounds of previously assessed effects and that closure objectives and post-closure monitoring commitments remained unchanged.

Engagement related to the Gordon site (pre-submission) focused on proposed modifications to mine layout, operational sequencing, and associated water and land disturbance footprints. Indigenous Nations, including the Manitoba Métis Federation, sought clarification on how the proposed changes could affect surface water flows, fish habitat, and access to traditional land use areas. Alamos reviewed these concerns and provided detailed responses describing how the revised mine plan was designed to minimize additional disturbance, maintain regulatory setbacks, and avoid new effects on fish habitat beyond those already authorized. Where feedback requested additional studies or alternative design scenarios, Alamos evaluated feasibility and regulatory relevance and provided written explanations where changes could not be incorporated. Alamos also clarified how existing monitoring programs and reporting commitments would continue to apply to the Gordon site and how results would be shared through established engagement mechanisms, including the Environmental Advisory Committee.

Across both sites, Indigenous Nations raised broader concerns regarding timing, review capacity, and the volume of technical information associated with the NOA/NOC submissions. Alamos acknowledged these concerns and, where feasible, adjusted engagement timelines, offered follow-up meetings, and provided additional clarification materials to support meaningful review, recognizing that such flexibility at times affected internal project scheduling. While not all feedback resulted in changes to the proposed mine plan modifications, Alamos ensured that all views and information received were considered and responded to in writing, with clear explanations provided where regulatory, technical, or scope-related considerations limited incorporation. This approach ensured that Indigenous feedback meaningfully informed decision-making while maintaining alignment with approved regulatory frameworks.

The Gordon site NOA/NOC was submitted to the Province of Manitoba and IAAC on October 7, 2025 and the technical review phase is underway with information requests pending. Additional engagement (anticipated) will be reported in the 2026 annual report.

## 5.4 Notice of Alteration / Notice of Change – Hughes River Discharge

In 2025, Alamos undertook additional focused and iterative engagement with Indigenous Nations in relation to the proposed effluent discharge to the Hughes River, which proceeded through the applicable NOA/NOC processes following its formal filing in 2024. Both Marcel Colomb First Nation and the Manitoba Métis Federation (though IAAC) provided substantive, written feedback during the regulatory technical review phase, raising concerns related to potential effects on water quality, fish habitat, downstream use, and the level of monitoring and mitigation during the discharge period.

Specific feedback from Marcel Colomb First Nation included concerns regarding the adequacy of predicted water quality effects under variable seasonal conditions, the potential for short-term changes during start-up and freshet, and the ability of routine monitoring to detect unanticipated effects in a timely manner. Marcel Colomb First Nation also requested enhanced monitoring, more conservative trigger thresholds, and clearly defined response actions during the discharge period. Alamos reviewed these comments in detail against baseline data, predictive modelling, and regulatory requirements and responded by committing to the development of a discharge-specific management and monitoring plan that incorporated additional mitigation measures and elevated monitoring during active discharge.

The Manitoba Métis Federation similarly provided feedback seeking greater confidence in monitoring coverage, clarity on downstream sampling locations, and transparency regarding how monitoring results would be evaluated and communicated. Manitoba Métis Federation also emphasized the importance of adaptive management should monitoring results deviate from predictions. Alamos considered this input and confirmed that the supplemental plan would include increased monitoring frequency, defined trigger thresholds, and clear response actions, as well as reporting through established engagement mechanisms, including the EAC.

In response to this combined feedback, Alamos developed the activity-specific Hughes River Discharge Management and Monitoring Plan, which was reviewed and subsequently approved by regulators in 2025 as part of the NOA/NOC approval process. This plan was established in addition to existing approved Version 0 MMPs (January 2025) and was intended to further reduce uncertainty and increase confidence during the discharge period. The plan included enhanced water quality monitoring during discharge, additional downstream sampling locations, conservative trigger-response thresholds, and defined reporting and contingency measures should monitoring indicate unanticipated effects.

Where Indigenous Nations requested further modifications beyond the approved plan, such as alternative discharge configurations or continuous real-time monitoring, Alamos evaluated these requests and provided written rationale explaining why the approved design and monitoring framework were considered sufficient based on regulatory review, predicted effects, and technical feasibility. Alamos also confirmed that monitoring results generated under the discharge-specific plan will be shared with Indigenous Nations and discussed through the EAC, and that adaptive management will be applied if warranted by monitoring outcomes.

Through this process, Alamos demonstrated how Indigenous views and information directly informed the design, mitigation, and monitoring of the Hughes River discharge, while maintaining alignment with regulatory approvals and technical requirements.

## 5.5 Fisheries Act Authorization and Fish Habitat Offsetting

Engagement related to the Fisheries Act Authorization (FAA) and Fish Habitat Offset Plan (FHOP) continued throughout 2025 and was a standing agenda item at EAC meetings held on January 20, May 23 (in-person site visit), August 29, and November 21, 2025.

On April 29, 2025, the Manitoba Métis Federation submitted correspondence directly to Fisheries and Oceans Canada (DFO) regarding the FHOP. At the request of DFO, Alamos provided supplemental technical information to support its review and response to the Manitoba Métis Federation. DFO subsequently responded directly to the Manitoba Métis Federation.

Engagement in 2025 also included discussion of fish salvage opportunities. Indigenous Nations expressed interest in fish salvage activities, including at East Pond. Following regulator review, safety and effectiveness considerations were communicated to Indigenous Nations, along with DFO's regulatory decision that fish salvage at East Pond was not required. Alamos understands and respects the Nations' views on wanting to try to save the fish (Brook Stickleback). At the same time, Alamos also recognizes that not all fish would survive being relocated, especially if the fish are entering into a system that is already at equilibrium. Potential fish loss associated with this decision has been conservatively accounted for within the approved offsetting framework.

Separately from the FAA application and associated engagement, the Dot Lake culvert replacement was approved (April 24, 2025) by DFO as a 1-to-1 culvert replacement. This decision is aligned with the feedback from Marcel Colomb First Nation, indicating their preference for maintaining the Dot Lake water level. While acknowledging that the Nation has also requested fish passage as well as a riffle downstream, DFO, the Province and Alamos are not considering this as an option as it would potentially drain Dot Lake. Despite this, Alamos considered these views in planning and monitoring, providing written rationale where specific suggestions could not be incorporated due to technical, regulatory, or operational constraints. Timing flexibility was provided to allow Marcel Colomb First Nation sufficient opportunity to review and provide feedback, even when this affected construction scheduling.

## 5.6 Gordon Closure Plan

In its feedback provided on the Version 0 MMPs on February 2, 2025, Marcel Colomb First Nation included suggestions for the Gordon Closure Plan (a requirement of the Gordon Gold Mine provincial licence for submission in advance of construction at that site). Specifically, Marcel Colomb First Nation expressed disagreement with Alamos' vision that the pit lake would remain isolated from the surrounding lakes at closure. Marcel Colomb First Nation indicated that they would prefer to see the Gordon pit lake connected to Gordon (upstream) and Farley (downstream) lakes directly on closure. At the same time as this comment, Alamos had been considering connection of the pit lake and surrounding lakes as part of the FAA and FHOP. A design for connection was developed, incorporated into the FAA and FHOP, and shared with Indigenous Nations at the subsequent EAC meeting. Comment on the planned connection was also incorporated into the Gordon Closure Plan, which was filed with Manitoba Mines Branch on July 18, 2025 and approved on January 30, 2026.

# 6 Emergency Reporting and Compliance with Condition 12.6

In accordance with Condition 12.6 of the FDS, Alamos maintains procedures for responding to accidents or malfunctions with the potential to cause adverse environmental effects, including immediate implementation of response measures and timely notification to regulators and Indigenous Nations.

On May 17, 2025, Alamos implemented these procedures following a fire incident at the MacLellan site.

Consistent with Conditions 12.6.1 and 12.6.3 of the FDS, Alamos implemented its communication plan and notified Indigenous Nations through written correspondence to all EAC members. The notification included the date and location of the incident, a summary description of the event, and confirmation that the fire was actively being managed. Indigenous Nations were advised that follow-up communication would be provided once the fire was fully extinguished.

Alamos also notified relevant authorities in accordance with applicable regulatory and legislative requirements and provided written notification to the Impact Assessment Agency of Canada within the required timeframe, consistent with Conditions 12.6.2 and 12.6.3 of the FDS.

Due to the need for external assistance to fully suppress the fire, the incident met the threshold for emergency reporting.

# Appendix B

# 2025 Surface Water Management and Monitoring Plan – Annual Report

# Lynn Lake Gold Project: 2025 Surface Water Management and Monitoring Plan – Annual Report

March 12, 2026

Prepared for:
Alamos Gold Inc.

Prepared by:
Stantec Consulting Ltd.

Project/File:
123515740.301.101

# Executive Summary

This report presents the results of the 2025 Surface Water Rollow-up Program for the Lynn Lake Gold Project (the Project), completed in accordance with provincial licence requirements and the Federal Decision Statement (FDS). The Project is located near the Town of Lynn Lake in northwestern Manitoba and comprises two open pit mine sites: the Gordon Site, approximately 38 km east of Lynn Lake, and the MacLellan Site, approximately 7 km northeast of Lynn Lake.

Construction activities in 2025 were limited because of mandatory evacuation due to forest fires. No construction or effluent discharges occurred at the Gordon Site during the reporting period. At the MacLellan Site, construction occurred only during two short periods (February 17 to May 27, 2025, and November 20, 2025 to December 31, 2025), with no effluent discharges recorded. As a result of the limited construction activity and absence of effluent discharges, the adaptive management framework was not triggered.

Mandatory evacuation due to forest fires constrained the 2025 field program, preventing safe access for surface water quantity and quality monitoring between June and September. A subset of hydrometric stations were visited in March and all stations were visited in October.

Due to limited data availability in 2025, rating curves could not be or developed 2025 observed conditions could not be compared with previously reported conditions in the Hydrology Baseline and Validation Technical Delivery Reports. Comparisons of water level data between years are not conclusive as the hydraulic control at hydrometric stations can change over time. In addition, insufficient flow measurements were collected in 2025 to. Given these limitations, regional climate and hydrometric stations were used to provide general hydrologic context and illustrate seasonal conditions in the region during 2025.

Observed water levels showed variability in both the magnitude and timing of peak water levels across the monitoring network, with peak surface water elevations generally occurring during spring freshet (May) or during fall episodic precipitation events. Data collected from the Hydrology Baseline and Validation Technical Delivery Reports indicate that the highest flows typically occur during spring freshet in response to snowmelt but may also occur later in the melt season or during summer and fall rainfall events. The 2025 regional hydrologic conditions observed at Water Survey of Canada (WSC) hydrometric stations show a reduced regional freshet response in 2025. This suggests that peak flows at Lynn Lake may also have been lower than normal due to reduced spring runoff volumes.

Rating curves were not developed for 2025 due to limited field visits and data collected due to mandatory evacuations. Rating curves will be developed in future reporting where possible with the collection of additional manual flow and water level measurements. Beaver activity was also observed at multiple locations during the 2025 October field program. Beaver dams were noted along Farley Creek, at the outlet of Gordon Lake, and downstream of Swede Lake.

Surface water quality monitoring was conducted monthly from January to May 2025 and October to December 2025 at 56 locations across both sites. No non-compliance events, incidents, or Project-related effects were identified. Occasional exceedances of chronic exposure threshold federal and provincial water quality guidelines were observed; however, these were either consistent with conditions observed during previously reported monitoring, attributed to natural variability, attributed to the incorporation of the Federal Environmental Quality Guidelines (FEQGs) into the guideline screening process, and/or due to winter sampling effects (e.g., sediment disturbance during ice augering). Continuous vertical *in situ* water quality profiles were implemented to obtain data for common water quality parameters (e.g., temperature, pH, dissolved oxygen, conductivity) and identified depth-dependent characteristics (such as dissolved oxygen decreases) near the bottom of the water column near the sediment interface. Historical pit lakes continued to exhibit chemical and thermal stratification, which was consistent with previously reported observations. The pit lake will not be monitored further until prior to and during pit dewatering activities.

Seven exceedances of the Manitoba Water Quality Standards Objectives and Guidelines for Freshwater Aquatic Life (MSOG-FAL) acute threshold for dissolved copper were observed at three stations at the Gordon site and three stations at the MacLellan site. Concentrations were below maximum values reported during previous monitoring except for Near-Field exceedances at the MacLellan site that were attributed to natural variability as no site discharges or construction activities occurred during the months of sample collection. One dissolved zinc exceedance of the Canadian Water Quality Guidelines for the Protection of Aquatic Life (CWQG-PAL) and MSOG-FAL acute exposure threshold at the MacLellan site was also attributed to natural variability, with the station (AQM91) being located in a separate watershed that did not have Project activities upstream.

At both mine sites, the 2025 water quality results were analyzed using Kruskal-Wallis non-parametric statistical tests to identify potential statistical differences between receiving environment and reference groups:

- Gordon Site:
    - Median metal and ion concentrations were typically highest in the Near-Field or Mid-Field monitoring locations, and most parameters had potential statistical differences in concentration identified between Mid-Field, Far-Field, and Reference groups.
    - Observed exceedances were limited to dissolved manganese in Near-Field and Reference groups, but median concentrations were observed below the CWQG-PAL for each group.
    - Exceedances of the CWQG-PAL for dissolved manganese were also observed Near-Field locations during monitoring conducted to support the Environmental Impact Statement ("EIS monitoring"). Dissolved manganese exceedances were not observed at reference locations during EIS monitoring but are attributed to natural variability.

- MacLellan Site:
    - Median metal and ion concentrations were below the MSOG-FAL, CWQG-PAL, and/or FEQG for each station group except dissolved copper and dissolved nickel, which were elevated at the Far-Field group due to the influence of historical East Tailings Management Area (ETMA) tailings, located upstream of most Far-Field stations. Exceedances of dissolved copper and dissolved nickel were also observed at Far-Field stations during EIS monitoring.
    - Potential statistical differences in concentration between Far-Field locations and at least one of the other monitoring groups were identified for dissolved copper, dissolved nickel, and other parameters (total aluminum, total cadmium, total cobalt, total copper, total nickel, total and dissolved zinc, chloride, sulfate, and dissolved sodium) were also attributed to the influence of ETMA.
    - Other parameters (total and dissolved arsenic, ammonia (as N), total methylmercury, total phosphorus, dissolved potassium, and total and dissolved uranium) had highest median concentrations at Mid-Field monitoring locations and, in general, had potential statistical differences in concentration identified between Mid-Field locations and at least on other monitoring group.
    - For nutrients, median concentrations were below applicable guidelines except total phosphorus at the Mid-Field group. Exceedances of total phosphorus were observed at stations across the four site groupings during EIS monitoring.

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# Acronyms / Abbreviations

| | |
|---|---|
| ADCP | Acoustic Doppler Current Profiler |
| ADV | Acoustic Doppler Velocimeter |
| AEMP | Aquatic Effects Monitoring Plan |
| Alamos | Alamos Gold Inc. |
| ALS | ALS Environmental Laboratory |
| COA | Certificate of Analysis |
| CWQG-PAL | Canadian Water Quality Guidelines for the Protection of Aquatic Life |
| DL | Detection Limit |
| DO | Dissolved Oxygen |
| DOC | Dissolved Organic Carbon |
| ECCC | Environment and Climate Change Canada |
| EIS | Environmental Impact Statement |
| ETMA | East Tailings Management Area |
| FAA | *Fisheries Act* Authorizations |
| FBA | Field blank sample |
| FBB | 'Filtration control' field blank |
| FDS | Federal Decision Statement |
| FEQG | Federal Environmental Quality Guidelines |
| IAAC | Impact Assessment Agency of Canada |
| IQR | Interquartile Range |
| GOC | Government of Canada |
| km | Kilometres |
| LAA | Local Assessment Area |
| m | Metres |
| masl | Metres above sea level |
| mg/L | Milligrams per Litre |
| MSOG-FAL | Manitoba Water Quality Standards Objectives and Guidelines for Freshwater Aquatic Life |
| mm | Millimetres |
| NOA | Notice of Alteration |

| | |
|---|---|
| NOC | Notice of Change |
| ORP | Oxidation Reduction Potential |
| POPC | Project-related Parameters of Potential Concern |
| PTT | Pressure and Temperature Transducer |
| Project | Lynn Lake Gold Project |
| QA/QC | Quality Assurance/Quality Control |
| RDL | Reportable Detection Limit |
| RPD | Relative Percent Difference |
| RTK | Real-Time Kinetic |
| SOP | Standard Operating Procedures |
| SPC | Specific Conductance |
| Std. Dev | Standard Deviation |
| SWMMP | Surface Water Management and Monitoring Plan |
| TARP | Trigger Action Response Plan |
| TDR | Technical Data Report |
| TDS | Total Dissolved Solids |
| TSS | Total Suspended Solids |
| WSC | Water Survey of Canada |

# 1 Introduction

Alamos Gold Inc. (Alamos) commenced construction of the Lynn Lake Gold Project (the Project) in February 2025. The Project - located near the Town of Lynn Lake in northwestern Manitoba - includes open pit mining at two previous mine sites: the MacLellan site, located approximately 7 kilometres (km) northeast of Lynn Lake, and the Gordon site, located approximately 38 km east of Lynn Lake (Map 1, Appendix A).

The Project received a positive Decision Statement from the Impact Assessment Agency of Canada (IAAC) under section 54 of the Canadian *Environmental Assessment Act*, 2012, on March 5, 2023, which was amended on August 6, 2025. The Project also received separate licences under *The Environment Act* for the "MacLellan Gold Mine" (Licence No. 3391) and the "Gordon Gold Mine" (Licence No. 3390) from the Government of Manitoba on March 6, 2023.

Condition 17 (Licence No. 3390 and 3391) and Condition 2.5 (Federal Decision Statement [FDS]) required the development and implementation of Management and Monitoring Plans prior to construction. A total of 21 plans were developed and shared to the Province of Manitoba and IAAC in January 2025. Each Management and Monitoring Plan developed specifies reporting requirements appropriate to that discipline.

This annual Surface Water Management and Monitoring report relates to the Surface Water Management and Monitoring Plan (SWMMP or the Plan; Version 0, January 2025) and data collected and analyzed between January 1, 2025, and December 31, 2025, in relation to surface water in accordance with the Plan.

In the 2025 reporting year, no construction activities took place at the Gordon site. As no construction events occurred at Gordon during the 2025 monitoring period, observed conditions for water quantity and water quality are considered to be in the pre-construction phase and related to environmental variability rather than construction-based activities.

Construction activities commenced only at the MacLellan site and were limited because of mandatory evacuation due to forest fires. Specifically, construction activities took place between February 17, 2025 and May 27, 2025, and again between November 20, 2025 and December 31, 2025. The activities included demolition of historic infrastructure, site clearing, earthworks and limited blasting activities associated with non-acid-generating material for construction aggregate purposes. No effluent discharges occurred at the MacLellan site in 2025. Monitoring data relating to surface water quantity was collected between January 1, 2025 and October 28, 2025 and monitoring data relating to surface water quality was collected monthly between January 21, 2025 and May 26, 2025 and between October 16 and December 18, 2025 as reported hereinafter. Without active effluent discharges, no project related effects to the receiving environment were anticipated or observed in 2025, thus observed conditions from the 2025 period are considered related to environmental variability rather than construction-based activities.

## 1.1 Purpose

The Project is authorized to discharge effluent to surface water, subject to the conditions of the Licence No. 3391 and 3390 and the Federal Decision Statement and the regulatory framework outlined in Section 1.2. The SWMMP (Alamos 2025) requires that a report from the surface water monitoring program be submitted annually no later than March 31 following each reporting year, to regulatory authorities and shared with interested Indigenous Nations and stakeholders. This annual compliance report 2025 is submitted to fulfill requirements of the Condition 17 (Licence No. 3390 and 3391) and Condition 2.5 (Federal Decision Statement) and the SWMMP (Alamos 2025).

## 1.2 Regulatory Context

As stated in Section 1.4 of the SWMMP (Alamos 2025), Section 36 of the federal *Fisheries Act* prohibits the deposition of deleterious substances into waters frequented by fish in Canada unless authorized by regulation. The Metal and Diamond Mine Effluent Regulations (MDMER) under the *Fisheries Act* governs allowable effluent discharge quality (Schedule 4, Table 1). Additionally, as per the SWMMP, water quality results are compared against the following federal and provincial criteria:

- Canadian Water Quality Guidelines for the Protection of Aquatic Life (CWQG-PAL; CCME 2026).
- Federal Environmental Quality Guidelines (FEQGs; ECCC 2024).
- Manitoba Water Quality Standards Objectives and Guidelines for Freshwater Aquatic Life (MSOG-FAL; MWS 2011).

In relation to surface water quantity, and as outlined in Section 1.4 of the SWMMP, the Framework for Assessing Ecological Flow Requirements to Support Fisheries in Canada (DFO 2013) provides guidance on the management of flows required to maintain the ecological functions that sustain fisheries in streams and rivers potentially affected by water withdrawals or diversions. The *Water Rights Act* provides protection of domestic water users, the general public, and the environment with respect the use, extraction, or diversion of groundwater or surface water from Manitoba’s lakes and streams. As noted within this document, no effluent discharges occurred from the Project sites in 2025. Accordingly, the regulatory framework for water quantity did not come into effect.

# 2 Surface Water Quantity

## 2.1 Methods

### 2.1.1 2025 Regional Context

Meteorological and hydrological conditions in the region provide important context for interpreting seasonal and annual variations in surface water elevations. The Environment and Climate Change Canada (ECCC) maintains climate stations throughout Canada, including Lynn Lake and the surrounding area.

Meteorological and hydrological data over a 12-month period from January 2025 to December 2025 were compared with long-term records to characterize conditions during the 2025 monitoring season. This comparison informed whether the monitoring year or individual months were warmer or colder, and wetter or drier, than "normal" conditions.

#### 2.1.1.1 Meteorological Conditions

For this report, "normal" (i.e., average) climate conditions are based on the most recent (1991–2020) climate normals that Government of Canada (GOC 2026a) has published for the Lynn Lake region based on data from composite stations, operated by the ECCC and listed in Table 2.1.

Climate data specific to the 2025 reporting year were obtained from the ECCC Climate Station Lynn Lake (5061645; GOC 2026b) and ECCC Climate Station Lynn Lake RCS (5061649; GOC 2026c) (Table 2.1). Both stations: 5061645 and 5061649 had significant data gaps in 2025, likely due to damage or malfunction during the fires that impacted the 2025 monitoring season. As a result, a composite data set of the two stations has been used to represent the 2025 period. A breakdown of the data missing at these stations is represented in Table 2.2.

The closest ECCC station to Lynn Lake with an almost complete 2025 data record (95% complete) is in Southend, Saskatchewan (4067655; GOC 2026d) and is approximately 185 km from the Mine Site. The data from this station has been used in the analysis to show general trends for the area for the months that that the data from 5061645 and 5061649 are missing.

*Table 2.1 Composite Stations Used by GOC (2026a) to Estimate 1991-2020 Climate Normals for Lynn Lake*

| **Climate ID** | **Station Name** | **UTM 14V** | | **Monitoring Period** |
|---|---|---|---|---|
| | | **Easting (m)** | **Northing (m)** | |
| 5061648 | Lynn Lake | 373432 | 6304155 | 2005-2010 |
| 5061645 | Lynn Lake | 373432 | 6304155 | 2010-2026 |
| 5061646 | Lynn Lake A | 373432 | 6304155 | 1959-2005 |
| 5061649 | Lynn Lake RCS | 373961 | 6302605 | 2010-2026 |

*Table 2.2 Data Gap Analysis for 2025 Reporting Year*

| **Month** | **Lynn Lake Station 5061645** | **Lynn Lake RCS Station 5061649** | **Southend Station 4067655** |
|---|---|---|---|
| January | 0 | 0 | 1 |
| February | 0 | 0 | 2 |
| March | 3 | 0 | 1 |
| April | 0 | 0 | 3 |
| May | 4 | 2 | 10 |
| June | 14 | 30 | 1 |
| July | 3 | 15 | 0 |
| August | 31 | 2 | 0 |
| September | 30 | 13 | 1 |
| October | 15 | 1 | 0 |
| November | 0 | 1 | 0 |
| December | 0 | 0 | 0 |

Notes:

Months where either Station 5061645 or Station 5061649 are missing more than three days of data are highlighted orange.

Months where both Stations (5061645, 5061649) are missing more than three days of data are highlighted red.

#### 2.1.1.2 Hydrological Conditions

General hydrological conditions for the 2025 reporting year were characterized by considering data collected at Water Survey of Canada (WSC). There are no long-term river gauging stations located along the main rivers in the footprint of the MacLellan or Gordon Sites. Based on methodology mentioned in the Hydrology Baseline Technical Data Report (TDR; Stantec 2017a), and a station being active in 2025; two stations.

met the necessary criteria and have been used to represent the 2025 regional hydrological conditions (Table 2.3).

*Table 2.3 Water Survey of Canada: Hydrometric Stations*

| Climate ID | Station Name | UTM Zone (V) | Easting (m) | Northing (m) | Period of Record | Drainage Area (Km$^2$) |
|---|---|---|---|---|---|---|
| 06FA001 | Gauer River below Thorsteinson Lake | 14 | 588889 | 6351961 | 1979-2026 | 5,970 |
| 05TF002 | Footprint River above Footprint Lake | 14 | 506959 | 6198418 | 1977-2026 | 643 |

For each WSC Station, 2025 runoff values were compared to the historical mean, upper quartile, and lower quartile. Hydrographs for 2025 were compiled and compared to data from previous years.

#### 2.1.1.3 Quality Assurance and Quality Control

Quality Assurance and Quality Control (QA/QC) processes were used in the accessing and analysing of the data downloaded from the ECCC climate and WSC hydrometric databases. Station data were first reviewed for continuity and screened for outliers, and anomalous values. Periods with missing or incomplete daily records were identified, and a composite dataset was developed to reduce data gaps.

### 2.1.2 2025 Surface Water Quantity Follow-up Program

#### 2.1.2.1 Locations

The 2025 surface water quantity follow-up monitoring plan was designed for the collection of surface water quantity data at locations in the receiving environment that are:

- Required to meet FDS Condition 3.15.1 pertaining to surface water quantity
- Support the SWMMP (Stantec 2025)
- Support the Aquatic Effects Monitoring Plan (AEMP)
- Support the pending *Fisheries Act* Authorization (FAA) Offsetting Plan

A surface water quantity (i.e., hydrometric) monitoring network has been established and is to be maintained for the life of the Project to refine understanding of the local hydrologic system. Stations at the Gordon and MacLellan sites are listed in Table 2.4 and Table 2.5, respectively. In accordance with the SWMMP (Stantec 2025), while all stations require stage (water level) monitoring, streamflow (discharge) monitoring is required for a subset of stations. As part of the hydrometric monitoring program, water temperature was also monitored at all stations. Components to be monitored have been determined based on regulatory instrument requirements as per legislation, environmental importance, sensitivity and vulnerability, and licence requirements.

At the Gordon Mine Site, monitoring stations are located upstream and downstream of the Project along Farley Creek, Hughes River, and lake Outlets. Surface water levels are monitored at two historical pit lakes (East Pit and Farley Lake), and natural lakes; with Ellystan Lake representing the most distant monitored water body. Reference stations (Low Lake Outlet and Mac Lake) are used to compare 'unaffected' watersheds adjacent to the Gordon surface water Local Assessment Area (LAA). Hydrometric Station coordinates, network description, and monitoring parameters are provided in Table 2.4 and shown in Appendix A.

The SWMMP (Table 5-1; Stantec 2025) identifies QF03 as a stage and discharge station; however, discharge measurements are not feasible at this location due to persistent upstream beaver dams resulting in negligible flow. Farley Creek (Reach 2) was also identified, but installation of a hydrometric station was deemed unsuitable due to braided channel morphology.

To meet FDS Condition 3.15.1, fish-bearing wetland stations (FAR6-A1, FAR7-A1, SUS3-B1, and FAR2-WHI3) were initially identified for water level monitoring to assess potential impacts from groundwater drawdown. Subsequent review determined that water level monitoring was not required under the SWMMP, given the spatial coverage of drive-points and monitoring wells under the Groundwater Management and Monitoring Plan. Only *in situ* pH and ancillary parameters are required, which are captured under the Water Quality monitoring program (Section 3).

At the MacLellan site, stations are located along the Keewatin River upstream and downstream of the Project, several tributaries, and Minton Lake at the eastern edge. Reference locations for MacLellan (Keewatin River at Burge Lake outlet, Burge Lake, Arbor Lake, and Carr Lake outlet) are used to compare 'unaffected' watersheds adjacent and downstream of the MacLellan surface water LAA. Hydrometric station coordinates, network description, and monitoring parameters are provided in Table 2.5 shown on Appendix A.

The SWMMP (Table 5-2; Stantec 2025) identifies QM12 (Payne Lake) as a stage and discharge station; however, currently this site is a water level station only. As part of the FDS 2025 Amendment, a new hydrometric station will be installed in 2026 at the outlet of Payne Lake to support both stage and discharge monitoring.

Similar to Gordon, fish-bearing wetland stations (KEE3-B2-A2, COC2-LOB2-MIN4, COC2-LOB1, KEE3-PAY2, and KEE3-DOT3) were initially identified for streamflow monitoring under FDS Condition 3.15.1. Again, subsequent review determined that water level monitoring was not required under the SWMMP, given the spatial coverage of drive-points and monitoring wells under the

Groundwater Management and Monitoring Plan. Only in situ pH and ancillary parameters are required, which are captured under the Water Quality monitoring program (Section 3).

*Table 2.4 Hydrometric Monitoring Stations: Gordon Mine Site*

| **Station** | **Network Description** | **UTM 14V** | | **Monitored Parameter** | **Monitoring Rationale** | | | |
|---|---|---|---|---|---|---|---|---|
| | | **Easting (m)** | **Northing (m)** | | **FDS 3.15.1** | **SWMMP** | **AEMP** | **FAA** |
| East Pit | East Pit | 412547 | 6307839 | Stage | ✓ | ✓ | ✓ | |
| Wendy Pit | Wendy Pit | 412181 | 6307888 | Stage | ✓ | ✓ | ✓ | |
| Gordon Lake | Gordon Lake | 411698 | 6308083 | Stage | ✓ | ✓ | ✓ | |
| QF03 | Gordon Diversion Channel | 412023 | 6308055 | Stage | | ✓ | | |
| Farley Lake | Farley Lake West | 412853 | 6307692 | Stage | ✓ | ✓ | ✓ | |
| QF05 | Farley Creek (Farley Lake outlet) | 414317 | 6307228 | Stage/ Discharge | ✓ | ✓ | ✓ | |
| QF05C | Farley Creek (Reach 1) downstream of HEC-RAS model reach | 414521 | 6305322 | Stage/ Discharge | | ✓ | ✓ | |
| QF0C_US | Farley Creek (Reach 1); upstream of HEC-RAS model reach | 414529 | 6305495 | Stage/ Discharge | | ✓ | ✓ | |
| Ellystan Lake | Ellystan Lake | 415650 | 6303050 | Stage | ✓ | ✓ | ✓ | |
| QF08 | Ellystan Lake outlet | 413910 | 6298251 | Stage/ Discharge | ✓ | ✓ | | |
| Marnie Lake | Marnie Lake | 413703 | 6305502 | Stage | | ✓ | | |
| Susan Lake | Susan Lake | 410552 | 6305714 | Stage | ✓ | ✓ | ✓ | |
| QF04C | Marie Lake outlet | 414084 | 6309142 | Stage | | ✓ | | |
| QF06 | Simpson Lake | 411576 | 6303510 | Stage | | ✓ | | |
| QF07 | Swede Lake outlet | 414759 | 6303927 | Stage/ Discharge | ✓ | ✓ | ✓ | |
| QF11B | Hughes River | 410671 | 6300083 | Stage/ Discharge | ✓ | ✓ | ✓ | |
| QRef01 | Low Lake outlet | 406313 | 6304924 | Stage/ Discharge | | ✓ | ✓ | |
| QRef02 | Mac Lake outlet | 415741 | 6305328 | Stage/ Discharge | | ✓ | ✓ | |

*Table 2.5 Hydrometric Monitoring Stations: MacLellan Site*

| **Station** | **Network Description** | **UTM 14V** | | **Monitored Parameter** | **Monitoring Rationale** | | | |
|---|---|---|---|---|---|---|---|---|
| | | **Easting (m)** | **Northing (m)** | | **FDS 3.15.1** | **SWMMP** | **AEMP** | **FAA** |
| East Pond | East Pond | 381368 | 6307417 | Stage | | ✓ | | |
| Minton Lake | Minton Lake | 385616 | 6308332 | Stage | ✓ | ✓ | ✓ | |
| QM07B | Outlet of unnamed lake downstream of Minton Lake | 386761 | 6307992 | Stage/ Discharge | ✓ | ✓ | | |
| QM08 | Cockeram Lake outlet | 388343 | 6296091 | Stage/ Discharge | ✓ | ✓ | ✓ | |
| QM11 | Cockeram River | 386359 | 6303458 | Stage/ Discharge | | ✓ | | |
| QM12 | Payne Lake | 383602 | 6311591 | Stage | ✓ | ✓ | ✓ | |
| QM01 | Keewatin River at Burge Lake outlet (Reference) | 379676 | 6310698 | Stage/ Discharge | ✓ | ✓ | ✓ | |
| QM02B | Keewatin River downstream of effluent discharge pipe and intake pipe | 380500 | 6307978 | Stage/ Discharge | ✓ | ✓ | ✓ | |
| QM04B | Tributary to Keewatin River (KEE3-B1) | 381630 | 6306301 | Stage/ Discharge | ✓ | ✓ | ✓ | |
| QM06B | Keewatin River downstream of KEE3-B1 | 381830 | 6304764 | Stage/ Discharge | | ✓ | ✓ | |
| QM13 | Keewatin River downstream of Lynn River | 382171 | 6303994 | Stage/ Discharge | | ✓ | ✓ | |
| QM05 | Lynn River | 381933 | 6303917 | Stage/ Discharge | | ✓ | | |
| WC01 | Waban Creek | 380873 | 6292562 | Stage/ Discharge | | | | ✓ |
| WL01 | Wasekwan Lake outlet | 381561 | 6292352 | Stage/ Discharge | | | | ✓ |
| Arbor Lake | Arbor Lake (Reference) | 391421 | 6311008 | Stage | ✓ | ✓ | ✓ | |

| **Station** | **Network Description** | **UTM 14V** | | **Monitored Parameter** | **Monitoring Rationale** | | | |
|---|---|---|---|---|---|---|---|---|
| | | **Easting (m)** | **Northing (m)** | | **FDS 3.15.1** | **SWMMP** | **AEMP** | **FAA** |
| Burge Lake | Burge Lake (Reference) | 375152 | 6307671 | Stage | ✓ | ✓ | ✓ | |
| QRef03 | Carr Lake outlet | 390144 | 6304339 | Stage/ Discharge | | ✓ | ✓ | |

### 2.1.2.2 Field Monitoring Procedures

Each hydrometric monitoring station consists of a pressure transducer and temperature transducer (PTT), datalogger housed inside a stilling well mounted vertically in the water, and three stable benchmarks. A Hobo MX2001 or a TD-Diver, along with a direct read cable were used to measure temperature and water depth (stage). All installed PTTs are non-vented, meaning they record absolute pressure, and must be corrected for atmospheric pressure to produce reliable, compensated stage records. TD-Divers are corrected using a nearby barometric sensor (Baro-Diver located at Gordon Mine Site) to compensate absolute pressure observed. Barometric sensors can be used to compensate for absolute pressure readings from transducers within a 30 km radius and/or with every 300 m change in elevation (Solinst 2026).

Three benchmarks were established at each station to monitor gauge datum shifts. Benchmarks, installed as nails in trees or rock bolts, were surveyed using two-circuit differential leveling with a survey level and stadia rod. One benchmark was designated the primary benchmark and assigned an elevation of 100.000 m. All station features (water surface, staff gauge, other benchmarks) were surveyed relative to the primary benchmark. Circuit closure errors were calculated and compared to a survey tolerance of ±0.003 m (RISC 2018).

A Real-Time Kinematic (RTK) global positioning system was used to obtain the elevations of the benchmarks and surface water elevations for each station on the geodetic datum applied at the Lynn Lake site (Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W). Establishing the stations on the geodetic datum allowed direct comparison of station water levels with the site elevations in metres above sea level (masl).

For stations monitoring streamflow, discharge measurements were collected. Where safe, personnel waded across transects using a SonTek FlowTracker2 Handheld Acoustic Doppler Velocimeter (ADV), measuring velocity at multiple verticals. Discharge was calculated using the area-velocity method, in which the cross-sectional area of each segment is multiplied by mean velocity and summed for the full transect. A minimum of 20 verticals was measured where possible to confirm no single segment exceeded 10% of total discharge.

In streams with observed depths less than 0.6 m, water velocities were measured at 60% of the depth from the water surface. This depth is assumed to be equal to the mean velocity of the water column. In instances where water depth was greater than 0.6 m, measurements were taken at both 80% and 20% depth from the water surface. The average of these two values was then taken as the mean stream velocity for the vertical. The current meter measures the average stream velocity in 40 second intervals to smooth out any minor variations in flow and provide a recorded velocity that represents true conditions in the stream.

When water levels were too high to wade, the RiverRay Acoustic Doppler Current Profiler (ADCP) was used. ADCPs use sound waves to measure water velocity from the water surface. The unit sends and receives ultrasonic soundwaves, measuring velocity in the water column using the Doppler effect of sound waves scattered back from particles in the water (Mueller et al 2013). Where the area-velocity method calculates a single water velocity for each vertical, ADCPs measure velocity in several increments or 'bins' in the water column. The bins are summed and averaged across both the depth and width of the channel to provide an average discharge for the entire transect. Discharge is estimated in areas too shallow for the ADCP to measure velocity.

#### 2.1.2.3 Data Analysis

Field data were entered into Master Excel and Stantec's Aquarius™ hydrologic database to manage, analyze and report hydrology monitoring data. Data were examined for integrity and conformity with guidelines presented in RISC (2018), ISO (2020), Terzi (1981). Logger data were analyzed for validity and corrected to masl using the October 2025 RTK elevation records.

Rating curve development has not been completed as part of this report due to the small dataset collected during the 2025 open water season due to forest fire impact within the region. Of the six planned monitoring visits, only two were completed due to mandatory evacuation due to forest fires, stopping any fieldwork from being undertaken between June and September: one in the winter season (March) and one in the open water season (October). Using guidelines provided by RISC (2018), ISO (2020), Terzi (1981) in order to develop an accurate rating curve at least five or more discharge measurements should be taken over adequate range of streamflows. For 2025, a maximum of two discharge points were taken meaning reliable rating curves could not be developed.

Concurrent stage and discharge data collected by Stantec at the stations during the 2025 open water season will be used (if deemed applicable), along with further data to be collected in 2026, to characterize the relationship between stage and discharge (rating curve). It is anticipated that rating curves will be developed at the end of the 2026 open water season and will be applied to the continuous stage data to estimate the continuous streamflow record at each station. Rating curves will be used to provide information for mean annual, monthly and instantaneous streamflow at each discharge location.

#### 2.1.2.4 Quality Assurance and Quality Control

QA/QC processes were used in all stages of this monitoring program. Field data collection quality was improved by the installation of additional benchmarks and the use of standardized field forms. Discharge measurement equipment with built-in quality assurance processes (such as the FlowTracker2 ADV and the RiverRay ADCP) were used for the majority of measurements. Peer reviews and data checks were conducted on the data sets as they were input into Microsoft Excel and the Aquarius database, and during analysis.

## 2.2 Results

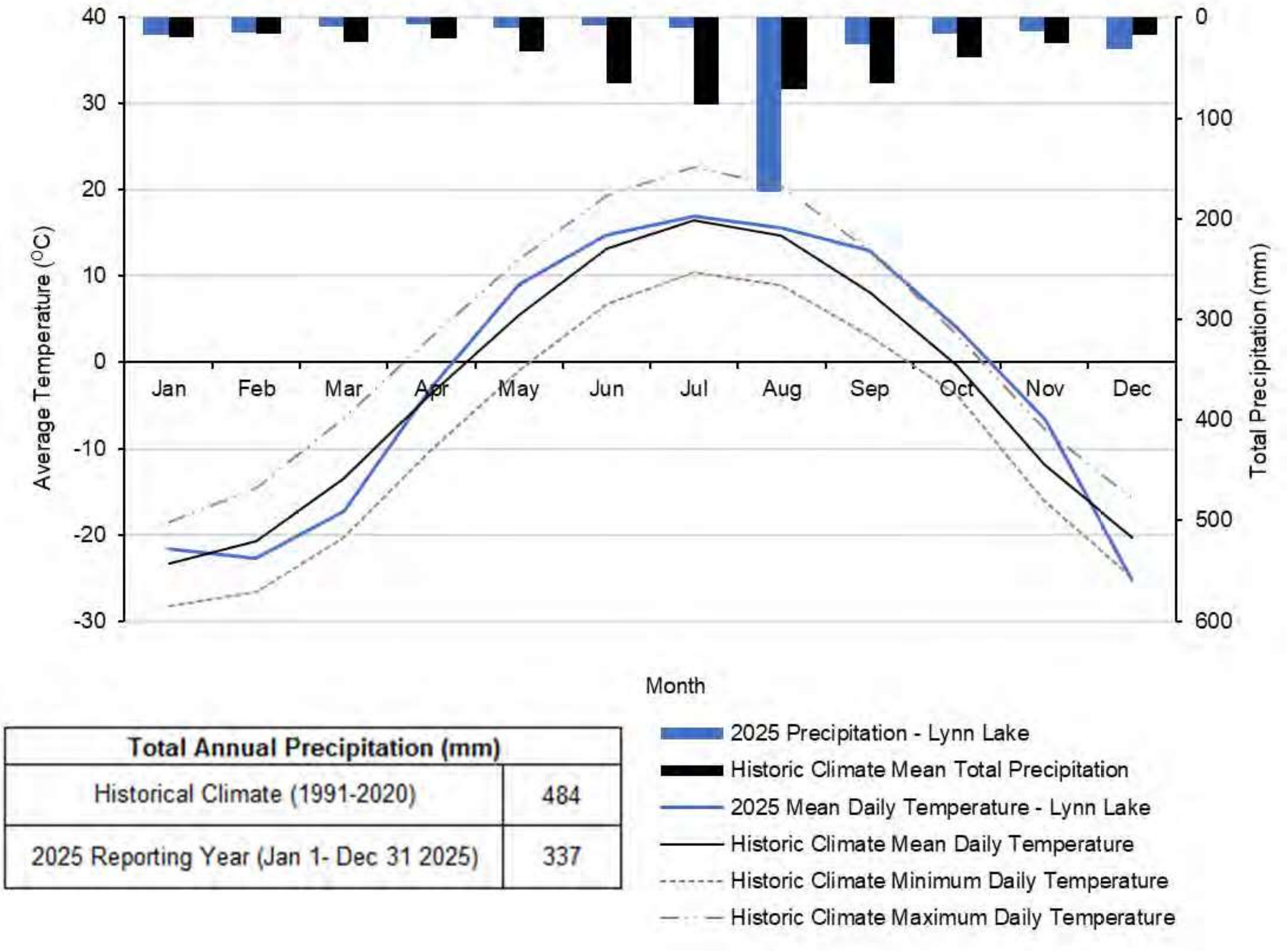
### 2.2.1 2025 Regional Context

#### 2.2.1.1 Meteorological Conditions

The regional climate is characterized by cold winters and mild summers. Average monthly temperatures during the 2025 reporting period were generally within historical daily ranges, with slightly above-average temperatures observed during October and November. Total recorded precipitation at Lynn Lake from January to December 2025 was approximately 337 millimetres (mm), which is below the historical mean annual precipitation of 484 mm. Due to missing data during the reporting year, comparisons of annual totals are subject to higher uncertainty during the reporting year. Monthly precipitation totals were below historical averages for most months, except August and December, with August exhibiting notably elevated precipitation (Figure 2.1).

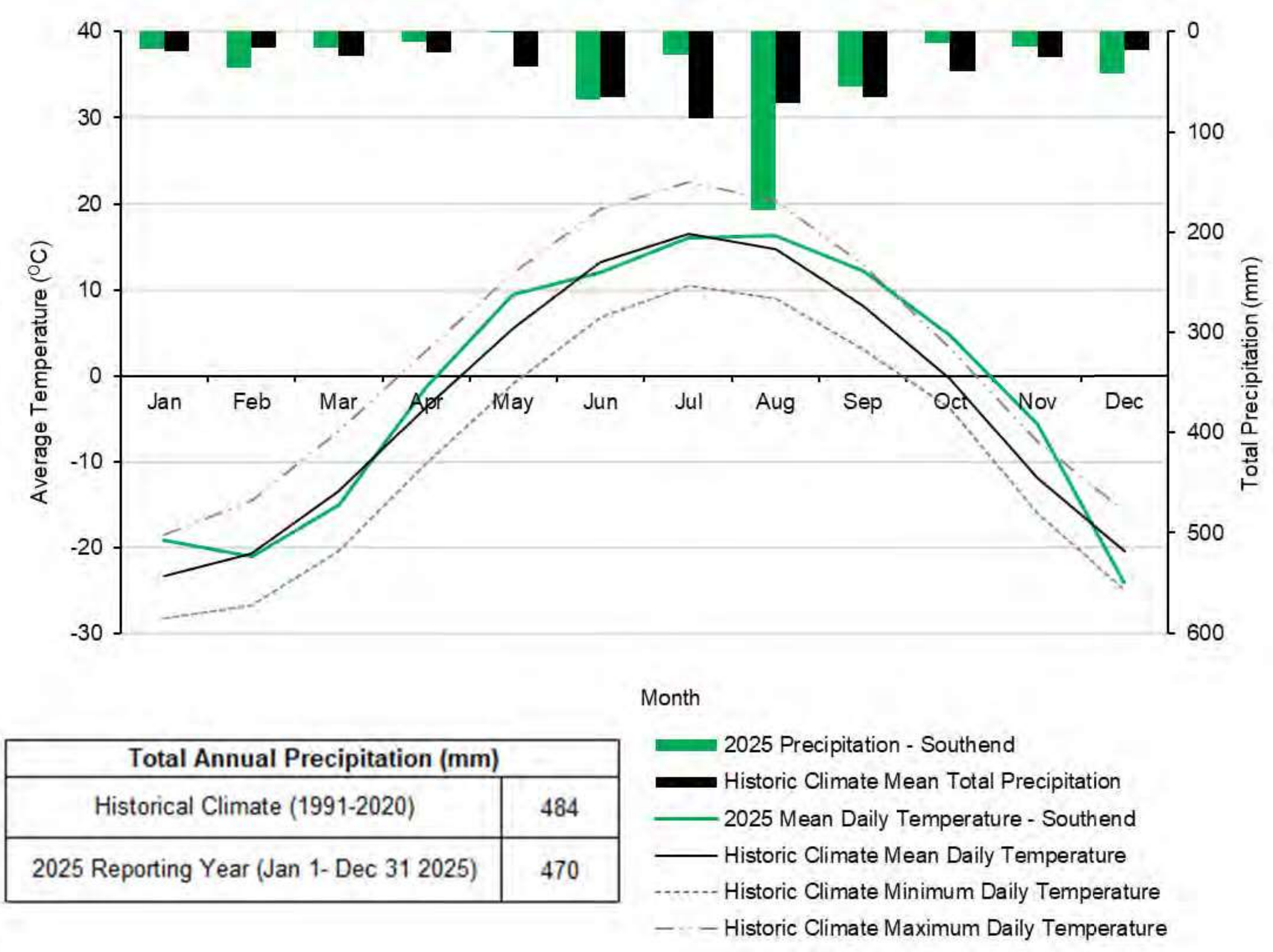
To contextualize these findings, Southend climate data were used to evaluate whether similar environmental trends occurred regionally. Southend received approximately 470 mm of precipitation in 2025, comparable to the historical mean (484 mm). Despite similar annual totals, precipitation was unevenly distributed, with above-average monthly totals occurring primarily in February, June, August, and December. As observed at Lynn Lake, August precipitation was notably elevated (Figure 2.2) suggesting that late-summer storm events were regional in extent (Figure 2.1).

*Figure 2.1 Monthly Temperature and precipitation Records for Lynn Lake for the 2025 Monitoring Period Compared to the Lynn Lake Historical Climate Data*



| Total Annual Precipitation (mm) | |
|---|---|
| Historical Climate (1991-2020) | 484 |
| 2025 Reporting Year (Jan 1- Dec 31 2025) | 337 |

*Figure 2.2 Monthly Temperature and precipitation Records for Southend for the 2025 Monitoring Period Compared to the Lynn Lake Historical Climate Data*



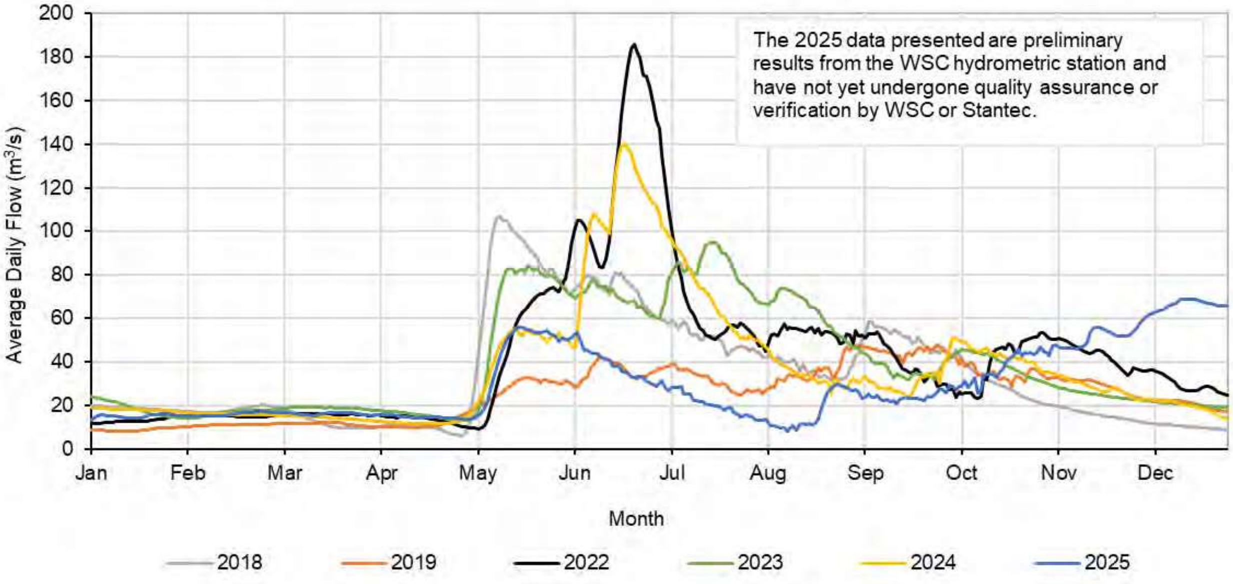
| Total Annual Precipitation (mm) | |
|---|---|
| Historical Climate (1991-2020) | 484 |
| 2025 Reporting Year (Jan 1- Dec 31 2025) | 470 |

#### 2.2.1.2 Hydrological Conditions

The hydrography of northwestern Manitoba is characterized by many lakes, which range in size, as well as muskegs and wetlands. Streamflow within the region is marked by considerable seasonality and yearly fluctuation. WSC Station 06FA001 (GOC 2026e) has a drainage area of 5,970 km², whereas WSC Station 05TF002 (GOC 2026f) has a drainage area of 643 km². As the drainage area for WSC Station 05TF002 is more representative of the local Lynn Lake monitoring areas (approximately 1.5 km² to 2,000 km²; Stantec 2017a), its catchment responses likely reflect those of smaller basins similar to those in the Project area.

Streamflow at WSC Station 06FA001 from 2018–2025 (data from 2021 and 2022 excluded due to gaps) shows interannual variability in both the magnitude and timing of peak flows (Figure 2.3). Winter flows were consistently low and stable, with spring freshet beginning in early May. Spring freshet is the increase in streamflow resulting from snow and ice melting during spring thaw. Peak flows during freshet were highest in 2022 and 2024, lower and more prolonged in 2023, and muted in 2019 and 2025. Following freshet, discharge generally declined through summer and responded to episodic precipitation in fall. In 2025, flows remained lower than most comparison years through freshet and summer, with increased flows observed in late fall.

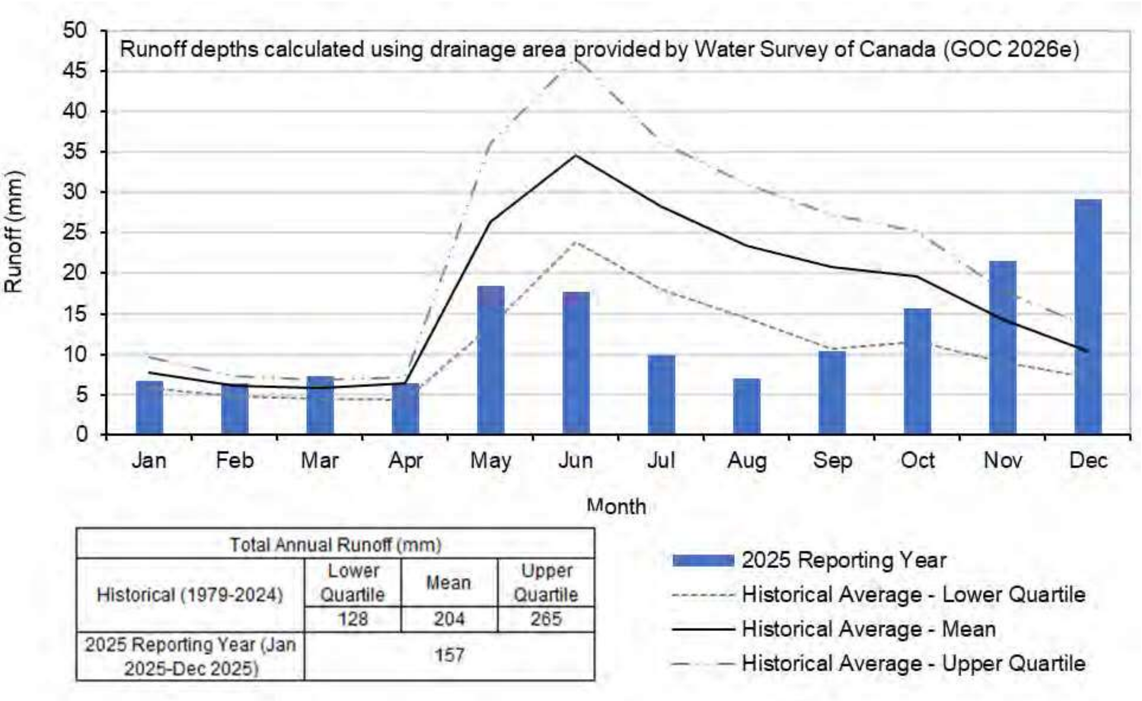
*Figure 2.3 Annual Streamflow Hydrograph for Gauer River near below Thorsteinson Lake Station (WSC 06F001) in 2018 to 2025*



The 2025 data presented are preliminary results from the WSC hydrometric station and have not yet undergone quality assurance or verification by WSC or Stantec.

Monthly runoff at WSC Station 06FA001 for 2025, compared to the historical mean and interquartile range (1979–2024), shows freshet peaks in May within the normal range, followed by runoff below the lower quartile from June through September, consistent with hydrograph observations (Figure 2.3). Elevated precipitation in August 2025 did not cause an increase in run-off (Figure 2.4) however, it did cause a slight increase in streamflow (Figure 2.3). In November and December, runoff was above the historical normal range; however, it is not clearly linked to increases in temperatures or precipitation above historical normals (Figure 2.1). Forest fires can alter catchment hydrology by reducing vegetation cover, which can increase runoff and change how water moves through the landscape.

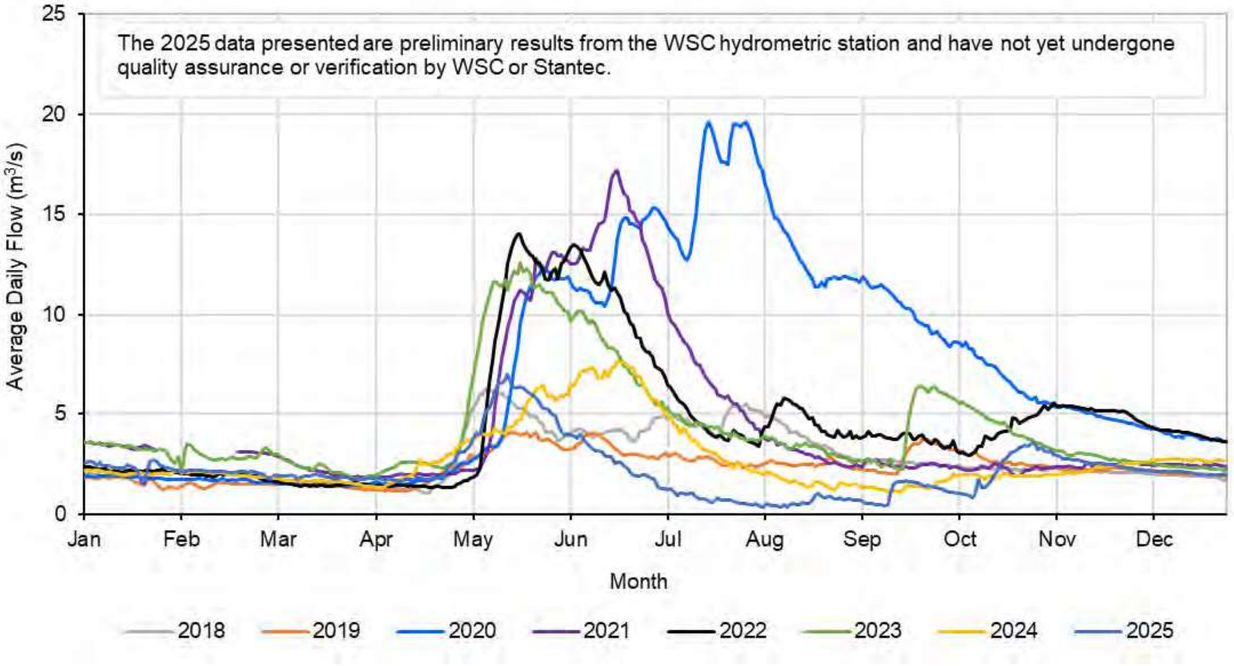
*Figure 2.4 Monthly Runoff Depths for Gauer River Below Thorsteinson Lake Station (WSC 06FA001) for 2025 Compared to the Historical Lower Quartile, Mean, and Upper Quartile*



| Total Annual Runoff (mm) | | | |
|---|---|---|---|
| Historical (1979-2024) | Lower Quartile | Mean | Upper Quartile |
| | 128 | 204 | 265 |
| 2025 Reporting Year (Jan 2025-Dec 2025) | | 157 | |

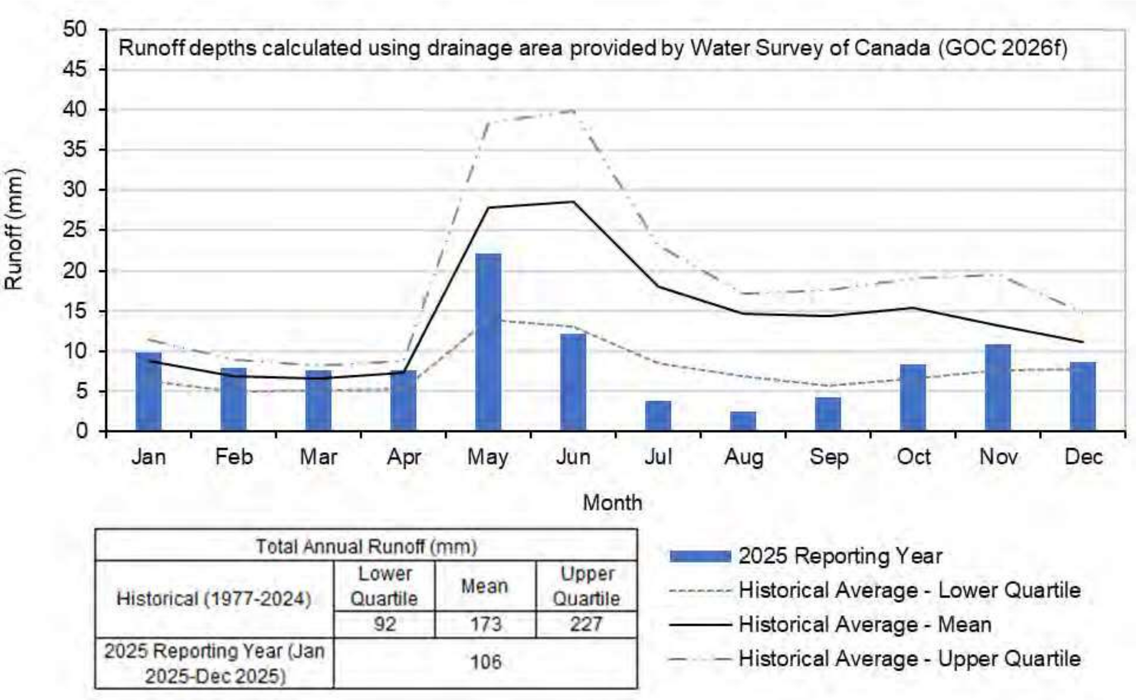
Streamflow at WSC Station 05TF002 (GOC 2026f) from 2018–2025 shows interannual variability in both the magnitude and timing of peak flows (Figure 2.5). Winter flows were consistently low and stable, with spring freshet beginning in early May. Freshet peaks typically occurred in mid-May, earlier than at 06FA001, indicating a quicker hydrologic response for smaller catchments. Higher summer peaks were observed in 2020 and 2021, likely due to episodic rainfall events. For 2025, discharge remained lower than most comparison years through freshet, summer, and early fall.

*Figure 2.5 Annual Streamflow Hydrograph for Footprint River above Footprint Lake Station (WSC 05TF002) from 2018 to 2025*



Monthly runoff at WSC Station 05TF002 for 2025, compared to the historical mean and interquartile range (1977–2024), shows freshet peaks in May within the normal range, followed by runoff below the lower quartile from June through September (Figure 2.6), consistent with hydrograph observations (Figure 2.5). Elevated precipitation in August 2025 did not produce a corresponding runoff response, likely influenced by ongoing forest fire activity in the region.

*Figure 2.6 Monthly Runoff Depths for Footprint River above Footprint Lake Station (WSC 05TF002) for 2025 Compared to the Historical Lower Quartile, Mean, and Upper Quartile*



| Total Annual Runoff (mm) | | | |
|---|---|---|---|
| Historical (1977-2024) | Lower Quartile | Mean | Upper Quartile |
| | 92 | 173 | 227 |
| 2025 Reporting Year (Jan 2025-Dec 2025) | 106 | | |

Based on the information provided above, regional hydrologic conditions in the region are characterized by strong seasonal variability, with low and stable winter flows (under ice conditions), pronounced spring freshet peaks driven by snowmelt, and variable summer and fall responses influenced by precipitation and catchment conditions. The smaller drainage area represented by WSC Station 05TF002 exhibits a more rapid hydrologic response to freshet compared to the larger basin for WSC Station 06FA001. Lower-than-normal discharge and runoff observed in 2025 during freshet and summer, coupled with muted runoff response to summer precipitation, indicate relatively dry antecedent conditions and potential forest fire-related catchment effects.

### 2.2.2 2025 Surface Water Quantity Follow-up Program

The 2025 SWMMP (Stantec 2025), suggested a total of five field campaigns conducted monthly during the open water season (June through October) and once during the winter season. No monitoring occurred between June and September because of the mandatory evacuation due to forest fires s. As a result, data coverage for the 2025 reporting year is limited.

For most hydrometric stations, the 2025 data record spans January through the October download. Data gaps are primarily attributed to ice effects, logger malfunction (March 2025), logger battery failures, and station damage. Routine station maintenance and battery replacements could not be completed for most stations until October 2025, resulting in greater data loss than typically expected for a reporting year.

Water levels were surveyed using either differential surveying with respect to the local benchmarks or using a RTK global positioning system and referenced to the Lynn Lake site geodetic datum (UTM Easting [m], NAD83 datum, Zone 14; Central Meridian 99°W). Establishing stations on a geodetic datum allows direct comparison of measured water levels with site elevations in metres above sea level (masl).

Manual discharge measurements were conducted in March and October. Fifteen stations have only one discharge measurement available for the 2025 reporting year, with five stations reporting two discharge measurements. Previous rating curves have been developed for certain stations during the Baseline and Validation TDR (Stantec 2017a and Stantec 2020a), however, using the guidelines provided by RISC (2018), to validate a rating curve from previous years (which has not been deemed hydraulicly stable) requires at least three discharge measurements. As a result, there is insufficient information to validate existing stage–discharge rating curves and streamflow hydrographs for 2025. Using guidelines provided by RISC (2018), ISO (2020), Terzi (1981) to develop an accurate rating curve at least five or more discharge measurements should be taken over adequate range of streamflows for the monitoring year.

#### 2.2.2.1 Gordon Site Field Results

A summary of hydrometric station operational periods and omitted or removed data for Gordon Site is provided in Table 2.6. Field measurements collected in 2025, including surveyed stage and discharge measurements, are summarized in Table 2.7. Detailed station-specific summaries and stage records are presented in Appendix B (B.1 Hydrometric Summaries – Gordon Site).

Stations Farley Creek (HEC-RAS) and QRef-02 were installed in October 2025 and therefore do not have sufficient data to develop stage records. Stations QF05 and Susan Lake also have no records for 2025 due to logger malfunctions.

As no construction events occurred at Gordon during the 2025 monitoring period, observed conditions for water quantity are considered to be in the pre-construction phase and related to environmental variability rather than construction-based activities.

*Table 2.6 2025 Hydrometric Station Operational Periods and Missing or Omitted Data – Gordon Site*

| Station | 2025 Operational Period | Rationale for Missing or Omitted Data and Final Download Date |
|---|---|---|
| East Pit | 1 January - 24 October 2025 | During the winter period when ice was present, the PTT collected intermittent periods of erroneous data. Erroneous data was removed from the dataset as it was deemed invalid. From 15 February – 26 April 2025 data was deemed invalid and removed from the dataset.<br>End of year download 24 October 2025. |
| Wendy Pit | 1 January - 23 October 2025 | End of year download 23 October 2025 |
| Gordon Lake | 1 January - 28 October 2025 | During the winter period when ice was present, the PTT collected intermittent periods of erroneous data. Erroneous data was removed from the dataset as it was deemed invalid. From 19 January – 3 May 2025 data was deemed invalid and removed from the dataset.<br>End of year download 28 October 2025. |
| QF03 | 1 January - 28 October 2025 | End of year download 28 October 2025. |
| Farley Lake | 1 January - 27 June 2025 | During the winter period when ice was present, the PTT collected intermittent periods of erroneous data. Erroneous data was removed from the dataset as it was deemed invalid. From 19 January – 21 April 2025 data was deemed invalid and removed from the dataset.<br>Batteries changed and logger restarted 23 October 2025 (lost battery June 27).<br>End of year download 23 October 2025. |
| QF05 | 1 May 2025 - 20 October 2025 | During the winter period when ice was present, the PTT collected intermittent periods of erroneous data. Erroneous data was removed from the dataset as it was deemed invalid. From 1 January – 1 May 2025 data was deemed invalid and removed from the dataset.<br>End of year download 20 October 2025. |
| QF05C | No record for 2025 | Logger malfunction. Logger reset October 28 |
| QF05C_US HEC-RAS) | 21 October - 28 October 2025 | Station installed 21 October 2025; downloaded 28 October 2025 to confirm logger functionality.<br>End of year download 28 October 2025. |
| Ellystan lake | 23 March - 27 September 2025 | Winter logger malfunction: Logger restarted 23 March.<br>Batteries changed and logger restarted 21 October 2025 (lost battery September 27). |

| Station | 2025 Operational Period | Rationale for Missing or Omitted Data and Final Download Date |
|---|---|---|
| QF08 | 1 January - 23 October 2025 | During the winter period when ice was present, the PTT collected intermittent periods of erroneous data. Erroneous data was removed from the dataset as it was deemed invalid. From 14 March – 19 March and 23 March - 1 April 2025 data was deemed invalid and removed from the dataset.<br>End of year download 23 October 2025. |
| Marnie Lake | 23 March - 28 October 2025. | Winter logger malfunction: Logger restarted 23 March.<br>End of year download 28 October 2025. |
| Susan Lake | No record for 2025 | Logger malfunction. Logger reset October 28. |
| QF04C | 23 March - 28 October 2025. | Winter logger malfunction: Logger restarted 23 March.<br>End of year download 28 October 2025. |
| QF06 | 1 January - 21 October 2025 | During the winter period when ice was present, the PTT collected intermittent periods of erroneous data. Erroneous data was removed from the dataset as it was deemed invalid. From 2 February – 5 May 2025 data was deemed invalid and removed from the dataset.<br>End of year download 21 October 2025. |
| QF07 | 1 January - 21 October 2025 | Data removed from 26 May - 5 June 2025 due to erroneous data spiking.<br>End of year download 21 October 2025. |
| QF11B | 1 January - 22 October 2025 | During the winter period when ice was present, the PTT collected intermittent periods of erroneous data. Erroneous data was removed from the dataset as it was deemed invalid. From 1 January – 10 January, 16 January to 25 January, and 10 March - 10 April 2025 data was deemed invalid and removed from the dataset.<br>End of year download 22 October 2025. |
| QRef01 | 1 January - 23 October 2025 | End of year download 23 October 2025. |
| QRef02 | No record for 2025 | Station established 26 October 2025. |

*Table 2.7 2025 Field Measurements – Gordon Site*

| Station | Monitored Parameters | Field Dates | Surveyed Method | Surveyed Stage (masl)[1] | Discharge Method | Discharge ($m^3/s$) |
|---|---|---|---|---|---|---|
| East Pit | Stage | 24-Oct-2025 | RTK | 313.755 | | |
| Wendy Pit | Stage | 23-Oct-2025 | RTK | 314.568 | | |
| Gordon Lake | Stage | 28-Oct-2025 | RTK | 314.530 | | |
| QF03 | Stage | 28-Oct-2025 | RTK | 315.468 | | |
| Farley Lake | Stage | 23-Oct-2025 | RTK | 312.812 | | |
| QF05 | Stage/Discharge | 20-Oct-2025 | RTK | 312.807 | FlowTracker2 | 0.09 |
| QF05C | Stage/Discharge | 21-Oct-2025 | RTK | 309.927 | FlowTracker2 | 0.01 |
| QF05C_US (HEC-RAS) | Stage/Discharge | 21-Oct-2025 | RTK | 309.928 | ADCP | 0.29 |
| Ellystan lake | Stage | 21-Oct-2025 | RTK | 296.364 | | |
| QF08 | Stage/Discharge | 25-Mar-2025 | | | FlowTracker2 | 0.19 |
| | | 21-Oct-2025 | RTK | 282.796 | FlowTracker2 | 0.20 |
| Marnie Lake | Stage | 28-Oct-2025 | RTK | 320.013 | | |
| Susan Lake | Stage | 23-Oct-2025 | RTK | 311.005 | | |
| QF04C | Stage | 28-Oct-2025 | RTK | 331.844 | | |
| QF06 | Stage | 21-Oct-2025 | RTK | 297.181 | | |
| QF07 | Stage/Discharge | 21-Oct-2025 | RTK | 297.023 | FlowTracker2 | 0.19 |
| QF11B | Stage/Discharge | 22-Oct-2025 | RTK | 290.870 | ADCP | 13.04 |
| QRef01 | Stage/Discharge | 23-Oct-2025 | RTK | 296.258 | FlowTracker2 | 0.050 |
| QRef02 | Stage/Discharge | 23-Oct-2025 | RTK | 308.432 | ADCP | 0.33 |

Notes:

[1] Surveyed stage completed by RTK are shown in masl (Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W)

#### 2.2.2.2 MacLellan Site Field Results

A summary of hydrometric station operational periods and omitted or removed data for MacLellan Site is provided in Table 2.8. Field measurements collected in 2025, including surveyed stage and discharge measurements, are summarized in Table 2.9. Detailed station-specific summaries and stage records are presented in Appendix B (B.2 Hydrometric Summaries – MacLellan Site).

Stations QRef02, QM11, WC01 and WC01 were installed in October 2025 and therefore do not have sufficient data to develop stage records. Stations Minton Lake, QM04B, and QM12 also have no records for 2025 due to wildlife and fire damage.

Construction activities commenced at the MacLellan site took place between February 17, 2025, and May 27, 2025, and again between November 20, 2025, and December 31, 2025. The activities included demolition of historic infrastructure, site clearing, earthworks and limited blasting activities associated with non-acid-generating material for construction aggregate purposes. No effluent discharges occurred at the MacLellan site in 2025. Without active effluent discharges, no project related effects to the receiving environment were anticipated or observed in 2025, thus observed conditions from the 2025 period are related to environmental variability rather than construction-based activities.

*Table 2.8 2025 Hydrometric Station Operational Periods and Missing or Omitted Data – MacLellan Site*

| Station | 2025 Operational Period | Rationale for Missing or Omitted Data and Final Download Date |
|---|---|---|
| East Pond | 22 March – 24 October 2025 | Winter logger malfunction. Logger restarted 22 March 2025.<br>End of year download 24 October 2025. |
| Minton Lake | No record for 2025 | Damage to station cause by wildlife. New logger deployed 19 October 2025. |
| QM07B | 1 January – 19 October 2025 | During the winter period when ice was present, the PTT collected intermittent periods of erroneous data. Erroneous data was removed from the dataset as it was deemed invalid. From 1 January – 21 March, data is periodically removed as was deemed invalid and removed from the dataset.<br>End of year download 19 October 2025 |
| QM08 | 1 January – 25 October 2025 | End of year download 25 October 2025. |
| QM11 | 18 October– 22 October 2025 | Station had been removed from previous location due to road layout changes.<br>Station installed 18 October 2025.<br>End of year download 22 October 2025. |
| QM12 | No record for 2025 | Damage to station and logger occurred during the season.<br>Station reinstalled 28 October 2025. |
| QM01 | 1 January – 24 October 2025 | During the winter period when ice was present, the PTT collected intermittent periods of erroneous data. Erroneous data was removed from the dataset as it was deemed invalid. From 12 March – 7 April 2025 data was deemed invalid and removed from the dataset.<br>End of year download 24 October 2025. |
| QM02B | 11 April – 22 October 2025 | During the winter period when ice was present, the PTT collected intermittent periods of erroneous data. Erroneous data was removed from the dataset as it was deemed invalid. From 1 January – 11 April 2025 data was deemed invalid and removed from the dataset.<br>End of year download 22 October 2025. |
| QM04B | No record for 2025 | Logger damaged during the season (likely heat damage due to fire).<br>New logger installed 22 October 2025. |

| Station | 2025 Operational Period | Rationale for Missing or Omitted Data and Final Download Date |
|---|---|---|
| QM06B | 23 April – 22 October 2025 | During the winter period when ice was present, the PTT collected intermittent periods of erroneous data. Erroneous data was removed from the dataset as it was deemed invalid. From 1 January – 23 April 2025 data was deemed invalid and removed from the dataset.<br>End of year download 22 October 2025. |
| QM13 | 22 March – 28 April 2025 | Winter logger malfunction. Logger reset 22 March 2025<br>Batteries changed and logger restarted 28 October 2025 (lost battery 28 April 2025).<br>End of year download 23 October 2025. |
| QM05 | 27 April – 19 October 2025 | During the winter period when ice was present, the PTT collected intermittent periods of erroneous data. Erroneous data was removed from the dataset as it was deemed invalid. From 1 January – 27 April 2025 data was deemed invalid and removed from the dataset.<br>End of year download 19 October 2025. |
| WC01 | No record for 2025 | Station installed 16 October 2025. |
| WL01 | No record for 2025 | Station installed 17 October 2025. |
| Arbor Lake | 24 March – 28 October 2025 | Winter logger malfunction. Logger restarted 24 March 2025.<br>End of year download 28 October 2025. |
| Burge Lake | 1 January – 20 October 2025 | End of year download 20 October 2025. |
| QRef03 | No record for 2025 | Station installed 25 October 2025. |

*Table 2.9 2025 Field Measurements – MacLellan Site*

| Station | Monitored Parameters | Field Dates | Surveyed Method | Surveyed Stage (masl)[1] | Discharge Method | Discharge ($m^3/s$) |
|---|---|---|---|---|---|---|
| East Pond | Stage | 24-Oct-25 | RTK | 333.080 | | |
| Minton Lake | Stage | 19-Oct-25 | Differential Survey | 99.481[2] | | |
| | | 24-Oct-25 | RTK | 329.996 | | |
| QM07B | Stage/Discharge | 24-Mar-25 | | | FlowTracker2 | 0.06 |
| | | 19-Oct-25 | RTK | 324.095 | FlowTracker2 | 0.11 |
| QM08 | Stage/Discharge | 25-Oct-25 | RTK | 312.139 | ADCP | 17.34 |
| QM11 | Stage/Discharge | 22-Oct-25 | RTK | 313.131 | ADCP | 16.34 |
| QM12 | Stage | 28-Oct-25 | RTK | 348.305 | | |
| QM01 | Stage/Discharge | 24-Oct-25 | RTK | 334.355 | ADCP | 12.68 |
| QM02B | Stage/Discharge | 24-Mar-25 | | | FlowTracker2 | 3.69 |
| | | 22-Oct-25 | RTK | 330.337 | ADCP | 8.01 |
| QM04B | Stage/Discharge | 22-Oct-25 | RTK | 321.507 | FlowTracker2 | 0.04 |
| QM06B | Stage/Discharge | 22-Oct-25 | RTK | 319.790 | ADCP | 13.65 |
| QM13 | Stage/Discharge | 23-Mar-25 | | | FlowTracker2 | 4.01 |
| | | 24-Oct-25 | RTK | 313.338 | ADCP | 22.19 |
| QM05 | Stage/Discharge | 23-Mar-25 | | | FlowTracker2 | 0.53 |
| | | 19-Oct-25 | RTK | 315.851 | FlowTracker2 | 3.06 |
| WC01 | Stage/Discharge | 16-Oct-25 | RTK | 343.255 | FlowTracker2 | 0.02 |
| WL01 | Stage/Discharge | 17-Oct-25 | RTK | 342.736 | FlowTracker2 | 0.08 |

| Station | Monitored Parameters | Field Dates | Surveyed Method | Surveyed Stage (masl)[1] | Discharge Method | Discharge ($m^3/s$) |
|---|---|---|---|---|---|---|
| Arbor Lake | Stage | 28-Oct-25 | RTK | 325.970 | | |
| Burge Lake | Stage | 20-Oct-25 | RTK | 338.745 | | |
| QRef03 | Stage/Discharge | 25-Oct-25 | RTK | 328.997 | ADCP | 0.16 |

Notes:

[1] Surveyed stage completed by RTK are shown in masl (Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W)

[2] Differential survey referenced to local datum in m

#### 2.2.2.3 Hydrologic Context

The Hydrology Baseline and Validation TDRs (Stantec 2017a and Stantec 2020a) established hydrologic conditions for the Project area and surrounding region using desktop studies and field investigations.

Limited data availability in 2025 made it difficult to compare results with previously reported data in the Hydrology Baseline and Validation TDRs. Comparisons of water level data between years are not conclusive because the hydraulic control at hydrometric stations can change over time. In addition, insufficient flow measurements were collected in 2025 due to mandatory evacuations to validate previously developed rating curves or develop new rating curves for 2025.

The Hydrology Baseline and Validation TDRs (Stantec 2017a and Stantec 2020a) conditions indicate that the highest flows typically occur during spring freshet in response to snowmelt, however sometimes occurred later in the melt season or during summer and fall in response to rainfall events.

The Lynn Lake ecoregion (Churchill River Upland) provides optimal habitat for beavers. Beaver dams have the potential to block flow and raise water levels. Beavers were noted in the baseline and validation program as affecting hydrometric stations during the monitoring period.

#### 2.2.2.4 2025 Hydrologic Context

Stage records from 2025 show variability in both the magnitude and timing of peak water levels across the monitoring network. Peak surface water elevations generally occurred during spring freshet (May) or during fall in response to episodic precipitation events. These patterns are consistent with regional hydrologic conditions observed at WSC Stations 06FA001 and 05TF002 (Section 2.2.1.2.). The 2025 regional hydrologic conditions show a reduced regional freshet response in 2025. This suggests that peak flows at Lynn Lake may also have been lower than normal due to reduced spring runoff volumes.Beaver dams were observed upstream or downstream of multiple stations during the October field campaign. Beaver dams were noted along Farley Creek (affecting stations Farley Creek (HEC-RAS), QF05C, and QF05), at the outlet of Gordon Lake (affecting stations Gordon Lake and QF03), and downstream of Swede Lake (affecting station QF07).

Due to limited and incomplete stage records, the influence of beaver dams on water levels could not be reliably assessed at stations Farley Creek HEC-RAS, QF05C, and QF05. However, Gordon Lake exhibited a sustained increase in water levels beginning in mid-August and persisting through the end of the monitoring period. A similar pattern was observed at station QF03, although water levels declined in September. The lower water levels observed in late fall at QF03 are likely associated with flow restriction at the Gordon Lake outlet caused by beaver dam activity (Figure 2.7).

At station QF07, located at the outlet of Swede Lake, a beaver dam was observed approximately 30 m downstream of the station. Surface water elevations at QF07 displayed a pattern similar to Gordon Lake, with elevated water levels from mid-August through the end of the monitoring period.

No beaver dams were observed in October at MacLellan Sites.

*Figure 2.7 Beaver dam downstream of Gordon Lake station and upstream of is QF03. Photo taken October 23*

### 2.2.2.5 Monitoring Limitations and Uncertainty

Hydrometric gauging at the stations remains challenging, with factors contributing to uncertainty in the monitoring program. These include limited opportunities for installing stable benchmarks due to lack of stable trees or structures in surrounding environment. Vegetation and channel roughness can also have effects in discharge measurements for low-gradient, low-velocity channels. Beaver activity within the Gordon Site area also affected flow and water levels recorded.

# 3 Surface Water Quality

## 3.1 Methods

### 3.1.1 Locations

The 2025 surface water quality follow-up monitoring program was designed for the monitoring of surface water quality at locations in the receiving environment that are:

- Required to meet the conditions of the FDS related to surface water quality, which include Condition 3.14.2, and Condition 3.15.1[1]
- Included in the SWMMP
- Important to support a future Hughes River monitoring plan in relation to pit dewatering, and/or
- Important to further characterize baseline conditions prior to Project construction and operation activities.

The 2025 surface water quality follow-up monitoring program consisted of eight monitoring events conducted monthly between January and May, and between October and December. No monthly monitoring occurred between June and September because of mandatory evacuation due to forest fires . A total of 56 monitoring locations for grab sampling and/or *in situ* measurements were visited in 2025, including 29 locations at the Gordon site (Map A-3, Table 3.1), and 27 locations at the MacLellan site (Map A-4, Table 3.2). *In situ* monitoring occurred at each location, and monthly[2] surface grab samples for laboratory analysis were collected at 27 locations at the Gordon site, and at 22 locations at the MacLellan site.

At each mine site, stations included in the SWMMP and monitored as part of FDS Condition 3.14.2 were grouped according to areas within the receiving environment (Table 3.1 and Table 3.2):

- Near-Field: in potentially affected watercourses and waterbodies in the receiving environment downstream of both mine sites
- Mid-field: in watercourses and waterbodies that represent an intermediate area between Near-Field and Far-Field locations and are utilized to evaluate the spatial extent of potential Project-related effects
- Far-field: in watercourses and waterbodies where Project-related effects are anticipated to be negligible and/or unmeasurable

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[1] FDS Condition 3.15.1 primarily pertains to surface water quantity but includes a requirement to monitor *in situ* pH in a subset of waterbodies and watercourses.

[2] Sampling frequency depended on monitoring rationale at each station.

- Reference: used to compare with "exposure" locations downstream or adjacent to the mines during construction, operation, and closure phases.
    - Gordon Site – located in waterbodies and watercourses in adjacent watersheds due to its location at the headwaters of the Ellystan Lake watershed
    - MacLellan Site – located in both adjacent watersheds and upstream of the Local Assessment Area (LAA)
- Water Management Infrastructure: two historical pit lakes (Wendy Pit and East Pit) are present at the Gordon site, with pit dewatering planned during the construction phase of the Project.

Additional sampling was conducted in January and February to further characterize baseline conditions at a subset of locations at both mine sites prior to construction and to support a future Hughes River monitoring plan at the Gordon Site (Gordon - Table 3.1 and MacLellan - Table 3.2). These locations were discontinued in March 2025 onward as the monitoring program design was refined to align with the monitoring requirements listed in Condition 3.14.2 of the FDS and the SWMMP.

A review of analytical results from pre-construction monitoring[3] identified spatial and temporal data gaps in both total and dissolved methylmercury. To address these gaps in 2025, eight existing monitoring locations and two additional sampling locations were sampled during specific months to provide additional seasonal coverage (Table 3.1 and Table 3.2).

To meet condition 3.15.1 of the FDS, *in situ* monitoring of pH and other parameters was conducted at the at seven fish-bearing wetlands identified within the LAA at the Gordon and MacLellan sites (Table 3.1 and Table 3.2).

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[3] Review to identify spatial and temporal gaps in methylmercury analysis included data collected in 2018, and from 2021 to 2025.

*Table 3.1 2025 Surface Water Quality Monitoring Locations – Gordon Site*

| Receiving Environment Area | Station ID | UTM 14V | | Location | Waterbody / Watercourse Classification | Monitoring Rationale | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Easting | Northing | | | FDS 3.14.2 | FDS 3.15.1 | SWMMP | Other |
| Water Management Infrastructure | AQF4$^{BV}$ | 412181 | 6307888 | Wendy Pit | Waterbody | ✓[1] | ✓ | ✓ | - |
| | AQF6$^{BV}$ | 412547 | 6307839 | East Pit | Waterbody | ✓[1] | ✓ | ✓ | - |
| Near-Field | AQF2$^{BM}$ | 411698 | 6308083 | Gordon Lake | Waterbody | ✓ | ✓ | ✓ | - |
| | AQF33$^{B}$ | 413552 | 6307861 | North Farley Lake | Waterbody | - | - | ✓ | - |
| | AQF34$^{B\dagger VM}$ | 412781 | 6307525 | Farley Lake-west basin | Waterbody | ✓ | ✓ | ✓ | - |
| | AQF34A | 413473 | 6307383 | Farley Lake-west basin (mixing zone) | Waterbody | ✓[2] | - | ✓ | - |
| | AQF9$^{B}$ | 414509 | 6307157 | Farley Lake outlet | Watercourse | ✓ | ✓ | ✓ | - |
| | AQF11$^{B}$ | 411147 | 6306005 | Susan Lake | Waterbody | ✓ | ✓ | ✓ | - |
| | AQF12$^{B}$ | 412497 | 6306196 | Pump Lake | Waterbody | - | - | ✓ | - |
| | AQF40A | 410793 | 6299937 | Hughes River - downstream of bridge | Watercourse | ✓ | ✓ | ✓ | - |
| | AQF44 | 414098 | 6296859 | Hughes River | Watercourse | ✓ | ✓ | ✓ | - |
| Mid-Field | AQF16$^{B\dagger VM}$ | 413076 | 6304227 | Swede Lake | Waterbody | ✓ | ✓ | ✓ | - |
| | AQF15 $^{BM}$ | 414084 | 6304219 | Swede Lake outlet | Waterbody | - | - | ✓ | - |
| Far-Field | AQF37$^{B\dagger V}$ | 415650 | 6303050 | Ellystan Lake | Waterbody | ✓ | ✓ | ✓ | - |
| | AQF20$^{B}$ | 413902 | 6298354 | Ellystan Lake Outlet | Watercourse | - | - | ✓ | - |
| Reference | AQF41 | 410588 | 6300087 | Hughes River – upstream of bridge | Watercourse | - | - | ✓ | - |
| | AQF13$^{B\dagger V}$ | 416300 | 6308480 | White Owl Lake | Waterbody | - | - | ✓ | - |
| | AQF49 | 416413 | 6306145 | Unnamed stream (White Owl Lake Outlet) | Watercourse | - | - | ✓ | - |
| | AQF47A$^{M}$ | 406567 | 6306108 | Low Lake outlet | Watercourse | - | - | ✓ | - |
| | AQF50$^{\dagger V}$ | 407340 | 6306780 | Low Lake | Waterbody | - | - | ✓ | - |
| Fish-Bearing Wetlands | FAR7-A1-1 | 411509 | 6307788 | FAR6-A1; inside max GW drawdown | Wetland | - | ✓ | ✓ | - |
| | FAR6-A1-1 | 412387 | 6308159 | FAR7-A1; inside max GW drawdown | Wetland | - | ✓ | ✓ | - |

| Receiving Environment Area | Station ID | UTM 14V | | Location | Waterbody / Watercourse Classification | Monitoring Rationale | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Easting | Northing | | | FDS 3.14.2 | FDS 3.15.1 | SWMMP | Other |
| Additional Sampling | AQF48[M] | 413915 | 6304610 | Farley Creek | Watercourse | - | - | - | ✓[3] |
| | AQF42 | 410749 | 6299020 | Hughes River - downstream of AQF40A | Watercourse | - | - | - | ✓[3] |
| | AQF45 | 417693 | 6292541 | Hughes River - downstream of Elizabeth Lake/upstream of Hwy 391 crossing | Watercourse | - | - | - | ✓[3] |
| | AQF35 | 415148 | 6303087 | Swede Lake outlet | Watercourse | - | - | - | ✓[3] |
| | AQF7 | 413949 | 6309299 | Marie Lake | Waterbody | - | - | - | ✓[3] |
| | AQF38 | 413485 | 6305860 | Marnie Lake | Waterbody | - | - | - | ✓[3] |
| | AQF46 | 415615 | 6305234 | Mac Lake outlet | Watercourse | - | - | - | ✓[3] |

Notes:

FDS Federal Decision Statement

SWMMP Surface Water Management and Monitoring Plan

GW Groundwater

\- Not Applicable

[1] FDS amendment on August 6, 2025 excluded the monitoring requirement at this location from Condition 3.14.2; *in situ* pH monitoring requirement remains from Condition 3.15.1

[2] Station at the edge of mixing zones of future effluent discharge locations; monitoring at these locations will resume prior to the Project operations phase

[3] Station removed from 2025 program; not required in FDS conditions and SWMMP

[†] Surface and deep grab samples collected as of March 2025

[B] EIS monitoring location (2015-2018; Stantec 2017b, 2020b)

[V] Vertical profile location

[M] Monitoring location with seasonal data gaps for total and dissolved methylmercury

*Table 3.2 2025 Surface Water Quality Monitoring Locations – MacLellan Site*

| **Receiving Environment Area** | **Station ID** | **UTM 14V** | | **Location** | **Waterbody / Watercourse Classification** | **Monitoring Rationale** | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | **Easting** | **Northing** | | | **FDS 3.14.2** | **FDS 3.15.1** | **SWMMP** | **Other** |
| Near-Field | AQM16[BV] | 384307 | 6307731 | Minton Lake | Waterbody | ✓ | ✓ | ✓ | - |
| | AQM31[BV] | 382779 | 6311309 | Payne Lake (middle) | Waterbody | ✓ | ✓ | ✓ | - |
| | AQM72[M] | 380720 | 6310403 | Payne Lake outlet near Keewatin River | Watercourse | ✓ | - | ✓ | - |
| | AQM76[M] | 380411 | 6307803 | Keewatin River, at edge of mixing zone of future effluent discharge location[1] | Watercourse | ✓ | ✓ | ✓ | - |
| | AQM77[M] | 380812 | 6306084 | Keewatin River; upstream of KEE3-B1 and downstream of Payne Lake outlet | Watercourse | ✓ | ✓ | ✓ | - |
| | AQM71 | 381601 | 6306274 | KEE3-B1; tributary to Keewatin River, downstream of open pit and MRSA | Watercourse | ✓ | ✓ | ✓ | - |
| | AQM8 | 381866 | 6304284 | Keewatin River- d/s of confluence with KEE3-B1 | Watercourse | ✓ | ✓ | ✓ | - |
| | AQM5[B] | 379952 | 6307987 | Dot Lake | Waterbody | - | - | ✓ | - |
| Mid-Field | AQM21[B] | 386402 | 6308661 | Unnamed lake downstream of Minton Lake | Waterbody | - | - | ✓ | - |
| Far-Field | AQM9[B†V] | 384164 | 6303521 | Cockeram Lake | Waterbody | ✓ | ✓ | ✓ | - |
| | AQM10[B] | 386069 | 6302875 | Cockeram River | Watercourse | - | - | ✓ | - |
| | AQM28[B] | 381861 | 6303889 | Lynn River | Watercourse | - | - | ✓ | - |
| | AQM29C[B] | 382400 | 6303502 | Keewatin River- d/s of confluence with Lynn River | Watercourse | ✓ | - | ✓ | - |
| Reference | AQM23[†V] | 375860 | 6308230 | Burge Lake | Waterbody | ✓ | ✓ | ✓ | - |
| | AQM4A | 379665 | 6310712 | Keewatin River- u/s of Project | Watercourse | - | - | ✓ | - |
| | AQM91[†V] | 389828 | 6305192 | Carr Lake | Waterbody | - | - | ✓ | - |
| | AQM78[M] | 390137 | 6304293 | Carr Lake outlet | Watercourse | - | - | ✓ | - |
| | AQM14[B] | 387953 | 6312683 | Desieyes Lake outlet | Watercourse | - | - | ✓ | - |
| Fish-Bearing Wetlands | KEE3-B2-A2-1 | 381484 | 6307529 | KEE3-B2-A2; inside max GW drawdown | Wetland | - | ✓ | ✓ | - |
| | COC2-LOB1-1 | 387059 | 6307109 | COC2-LOB1; outside max GW drawdown | Wetland | - | ✓ | ✓ | - |
| | COC2-LOB2-MIN4-1 | 383318 | 6307910 | West of Minton Lake, inside max GW drawdown | Wetland | - | ✓ | ✓ | - |
| | KEE3-PAY2-1 | 383639 | 6311951 | KEE3-PAY2; outside max GW drawdown | Wetland | - | ✓ | ✓ | - |
| | KEE3-DOT3-1 | 377946 | 6305592 | KEE3-DOT3; outside max GW drawdown | Wetland | - | ✓ | ✓ | - |

| Receiving Environment Area | Station ID | UTM 14V | | Location | Waterbody / Watercourse Classification | Monitoring Rationale | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Easting | Northing | | | FDS 3.14.2 | FDS 3.15.1 | SWMMP | Other |
| Additional Sampling | AQM15 | 392292 | 6311543 | Arbour Lake | Waterbody | - | - | - | ✓[2] |
| | AQM73 | 385324 | 6309830 | Inlet to Minton Lake | Watercourse | - | - | - | ✓[2] |
| | AQM74 | 389040 | 6308503 | Arbor Lake outlet | Watercourse | - | - | - | ✓[2] |
| | AQM75 | 382048 | 6311198 | Payne Lake outlet | Watercourse | - | - | - | ✓[3] |

Notes:

FDS Federal Decision Statement

SWMMP Surface Water Management and Monitoring Plan

GW Groundwater

- Not Applicable

[1] Station at the edge of mixing zones of future effluent discharge locations; A cross-channel transect was established at AQM76 on the Keewatin River, and samples were collected at three points corresponding to approximately 25% (T-25), 50% (T-50), and 75% (T-75) of the river width from one bank. Monitoring the transect of the Keewatin River at AQM76 will resume prior to the Project operations phase

[2] Station removed from 2025 program; not required per FDS and SWMMP

[3] FDS amendment on August 6, 2025 added monitoring requirement to Condition 3.14.2, monitoring will resume at this location in 2026

[†] Surface and deep grab samples collected as of March 2025

[B] EIS monitoring location (2015-2018; Stantec 2017b, 2020b)

[V] Vertical profile location

[M] Monitoring location with seasonal data gaps for total and dissolved methylmercury

### 3.1.2 Field Monitoring Methods

Field monitoring methods for surface water quality employed in the 2025 monitoring period were consistent with those described in Section 7.3 of the SWMMP, except as noted below.

For each surface water quality monitoring event at a station, *in situ* measurements of the following were conducted using a multiparameter meter or multiple meters:

- Water depth (surface to bottom)
- Water temperature
- Atmospheric pressure
- Dissolved oxygen (DO)
- Conductivity
- pH
- Oxidation reduction potential (ORP)
- Total dissolved solids (TDS)
- Turbidity

*In situ* measurements were conducted using one of the following instruments, which were calibrated in the field every second day as per manufacturer guidance, with results were recorded calibration data sheets:

- YSI Professional Plus Multi parameter instrument or equivalent for water temperature, pressure, DO, conductivity, specific conductance (SPC), pH, ORP, and TDS
- YSI EXO3 Sonde or equivalent for water temperature, atmospheric pressure, DO, conductivity, SPC, pH, ORP, turbidity, and TDS, and the collection of continuously recorded, time- and depth-series profiles of *in situ* parameters
- LaMotte 2020we Portable Turbidity Meter for turbidity

At lake stations, total water depth was measured, and *in situ* water quality parameters were recorded at the following frequencies depending on the total water depth (surface to bottom):

- Less than 2 m – two measurements
    - Top/surface
    - Bottom of the water column
- Greater than 2 m - continuously recorded (i.e. recorded at least once per second) vertical profiles of *in situ* parameters using a YSI EXO3 Sonde or equivalent

Field methods conducted during the open-water season were consistent with the methods described in the SWMMP. Winter samples collected in 2025 involved grab samples and *in situ* measurements which were conducted by drilling holes through the ice.

Grab samples were collected near the surface for each water quality station by immersing the collection bottle upside down and with water flowing away from the opening, until the bottle was full. Additional water quality grab samples were collected near the waterbody bed using a Kemmerer at any station with a water depth (surface to bottom) greater than 4 m. The analyte-specific preservatives were added immediately after the bottle was full. Samples submitted for dissolved nutrients and dissolved metals analysis, including dissolved mercury and methylmercury, were field filtered within 15 minutes of sample collection. Laboratory analyses on submitted samples were performed for the parameters listed in Table C.1-1 (Appendix C.1). Total and dissolved methylmercury were analyzed for select stations identified in Table 3.1 (Gordon) and Table 3.2 (McLellan). Grab samples were collected in sampling bottles prepared by ALS Environmental Laboratory (ALS), Winnipeg. Sample containers, preservatives, and holding times were analyte dependent. The appropriate sample containers and preservatives (where required) for each analyte were reviewed prior to each sampling event to confirm sampling protocols and ensure the inventory of supplies is complete As specified in the SWMMP, surface water quality samples were analysed at ALS. Steps were taken to maintain sample integrity including field filtering the samples through 45 µm filter disks, and using preservatives where appropriate, in accordance with the analytical laboratory instructions.

The QA/QC water samples included one trip blank (prepared at ALS), two field blanks (prepared in the field using reverse osmosis/deionized water provided by ALS), and one duplicate sample per 10 water samples collected for each monitoring event. Duplicates were submitted blind, without the location, name, or time indicated on the label, to measure within-site variability and the precision of field methods and laboratory analyses

Field blank samples collected for the Project were prepared in the field and were typically collected first to avoid any potential contamination of the samples. The field blank samples were open and exposed to the sampling environment at a station for as long as it took to fill the corresponding normal sample bottle with a water sample. Field blank samples[4] were filtered and preserved, as required, following the same method as the water samples. In 2024, the collection of a 'filtration control' field blank[5] for the Project was implemented during monthly sampling. The filtration control field blank was not filtered like the primary field blank samples were (i.e. no filtration for the dissolved analytes, but preservative was still added) so that potential contamination related to the field-filtration process (which may contribute to spurious results for dissolved metals) could be checked.

The water samples were shipped either from Lynn Lake to Winnipeg by Canada Post, Express mail, or from Thompson to Winnipeg by NCN Thompson Bus and Freight taking every step possible to meet sample holding times.

The field measurements and sampling were documented in accordance with Stantec Standard Operating Procedures (SOPs), and all field information was recorded via All-Weather Environmental Field Books, digital tablet, or on pre-printed field forms. All site and QA/QC data was transferred into Excel spreadsheets and reviewed monthly. Laboratory results were screened immediately upon their receipt using Stantec's screening criteria to identify any outliers, erroneous data, or violations of lab QA/QC procedures. Laboratory Certificate of Analysis reports (COAs) and *in situ* data collected via digital tablet were uploaded to a MonitorPro environmental data management system (EHS Data Ltd).

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[4] Denoted "FBA".

[5] Denoted "FBB".

### 3.1.3 Laboratory Methods

Surface water quality samples were submitted to ALS in Winnipeg for analysis, which includes an accredited QA/QC program. Received laboratory analysis results included QA/QC program results such as laboratory duplicate samples, calibration control results, and detection limits (DLs).

Laboratory COAs submitted by ALS were reviewed on receipt and subjected to additional QA/QC procedures, as outlined in Section 3.1.4.1.

### 3.1.4 Data Analysis

Data analysis of the 2025 surface water quality *in situ* and laboratory results was similar to the methods outlined in the SWMMP but was expanded to include calculations of summary statistics and the application of non-parametric statistical tests (Kruskal–Wallis) to evaluate potential differences between grouped site datasets (Reference, Near-Field, Mid-Field and Far-Field).

Certain CWQG-PALs, FEQGs, and MSOG-FALs are calculated based on site-specific toxicity modifying factors that can affect their bioavailability to aquatic biota, including hardness, *in situ* water temperature, dissolved organic carbon (DOC), and *in situ* pH. These variable guidelines were calculated for each site and sample event. Although short-term CWQG-PALs and MSOG-FALs are included in the guideline screening process (Table C.1-1, Appendix C.1), results indicating exceedances of long-term or chronic guidelines are emphasized in the report. The 2025 concentration ranges and guideline exceedance frequency were compared to surface water quality conditions monitored at both mine sites between 2015 and 2018, as reported in the Water Quality Baseline Technical Data Report (TDR) and associated Validation Report, which are appended to Volume 4 of the Environmental Impact Statement (EIS; Stantec 2017b, Stantec 2020b, Stantec 2020c), and between 2022 and 2023 at the Hughes River, as reported in the Gordon Mine Pit Dewatering Notice of Alteration (NOA) / Notice of Change (NOC) (Stantec 2024). However, a limited number of monitoring stations included in the 2025 surface water quality follow-up monitoring program were established during EIS monitoring between 2015 and 2018 (Gordon - Table 3.1 and MacLellan - Table 3.2). The FEQGs were not applied as part of the guideline screening process in the EIS.

*In situ* vertical profile water quality data monitored at waterbody stations with depth grater than 2 m[6] were processed, compiled, and plotted by month to evaluate potential seasonal changes throughout the water column. Continuous profiles were trimmed to use only the descent portion of the record (i.e. instrument traveling from the surface to the bottom). Visually observed outliers were removed from the dataset, along with records at the beginning of each profile when the instrument was equilibrating to waterbody conditions. Plots were produced using R version 4.5.2 (R Core Team 2025).

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[6] Maximum depths recorded in 2025 at AQM16 (Minton Lake) and AQM31 (Payne Lake) were 1.8 m and 1.0 m, respectively. Although shallower than other profile locations, both lakes are situated downgradient of proposed mining infrastructure, and additional water-column data was collected to support Project effects monitoring.

Summary statistics were calculated for each parameter and include mean, median, minimum, maximum, standard deviation (std. dev.), and 75th and 95th percentile values. The 25th percentile value was calculated for parameters that have guidelines with a lower limit or acceptable range (i.e. DO and pH). Prior to calculating summary statistics for each parameter, visually observed outliers were removed, and results below the reportable detection limit (RDL) were represented as 50% of the RDL value. When >50% results for a given parameter and site type were below RDL values, the below RDL values were not replaced with numerical values, and summary statistics not calculated, besides the maximum parameter value. Statistical calculations were performed using R version 4.5.2 (R Core Team 2025).

Kruskal-Wallis non-parametric tests were used alongside box-and-whisker plots to provide a preliminary assessment of differences in parameter concentrations between grouped site datasets for each mine site. Parameters selected for comparison between receiving environment areas are denoted in Table C.1-1, (Appendix C.1) and included the following:

- Identified exceedances in 2025
- Identified as parameters of potential concern (POPCs) in the EIS (Stantec 2020c)
- Identified as having naturally elevated concentrations during the baseline monitoring period

Kruskal-Wallis tests compared grouped samples based on Near-Field, Mid-Field, Far-Field, and Reference categories regardless of monitoring station location. Resulting p-values were corrected for multiple testing (separately for each mine site) using false discovery rate (Benjamini and Hochberg 1995). The Kruskal-Wallis test assumes independence of samples (Whitlock and Schluter 2008). This assumption was likely violated since samples collected from the same location may be more like one another due to location-specific conditions. Such non-independence introduces pseudo-replication and, consequently, results were interpreted cautiously using a significance threshold of 0.01 (instead of 0.05) and identified as "potential differences". Samples from the same locations were identified in the box-and-whisker plots using colour and point-shape, and this information was used to assist interpretation of differences. Variable guidelines were calculated for each receiving environment and reference group using median values of toxicity modifying factors from each group. Kruskal-Wallis test statistical calculations and plots were performed using R version 4.5.2 (R Core Team 2025).

### 3.1.4.1 Quality Assurance and Quality Control (QA/QC)

QA/QC methods for surface water quality employed in the 2025 monitoring period were consistent with those described in the SWMMP, except as noted below where updates to methodology and additional details are provided.

Upon receipt of analytical results for each sampling event, a QA/QC data review was conducted. QA/QC results that indicated a failure of controlled sampling were investigated for potential causes and implications and laboratory rechecks were requested from ALS. As required, samples were reanalyzed and updated results issued.

Field and trip blanks were compared to the RDL of each parameter. Results were flagged to the laboratory to recheck when the concentration of a given parameter exceeded the RDL, and when the concentration exceeded fives times the RDL.

Field duplicate results were compared to the parent sample using Relative Percent Difference (RPD). The RPDs are calculated as the absolute difference between the two measurements divided by the average of the measurements, as follows:

$$RPD = \frac{|result\ 1\ -\ result\ 2|}{(result\ 1 + result\ 2) \div 2}\ x\ 100$$

If the duplicate concentrations for a given parameter were both greater than five times the parameter's DL and the RPD remained below 20%, then the duplicate sample RPD result for the parameter was not expected to adversely affect data quality. The RPD 'threshold' of 20% is commonly used as a data quality objective in Canadian jurisdictions (Ontario MOE 2011; BC MOE 2013; CCME 2016). An RPD of more than 20% indicates a possible problem and an RPD of more than 50% indicates a definite problem, most likely from sample contamination or a lack of sample representativeness (BC MOE 2013). However, it is not unusual to find higher variability for the field duplicates for select parameters, especially if the water is turbid (e.g. total suspended sediments greater than 25 mg/L).

For parameters with both total and dissolved fractions (e.g. metals and metalloids), the ratio of dissolved over total concentrations for each pair in each sample collected was calculated. The results were screened and flagged for a recheck of the analysis from ALS if the following criteria were present:

- Dissolved concentration was greater than 1.25 times the total concentration.
- Dissolved and total concentrations were greater than five times the lowest RDL.

Outliers identified by visual inspection were investigated for potential causes and retained in the dataset based on criteria described in the SWMMP. For both lab-analyzed and *in situ* parameter results, excluded data were transparently identified and summarized in reports (i.e. flagged as excluded from the interpretation of results).

## 3.2 Results

### 3.2.1 Surface Water Quality Follow-up Program

The 2025 surface water quality follow-up monitoring program conducted a total of 8 field campaigns on a monthly interval between January and May, and between October and December as detailed in Table 3.3 and Table 3.4 at Near-Field, Mid-Field, Far-Field, Reference, and additional monitoring locations. No monitoring occurred between June and September because of mandatory evacuation due to forest fires. The surface water quality monitoring results are presented in Table C.1-2 (Appendix C.1) with comparison to CWQG-PAL, FEQG, and MSOG-FAL values listed in Table C.1-1, Appendix C.1. Field duplicate results and associated RPDs are provided in Table C.1-3 (Appendix C.1) and field blank and trip blank results are provided in Table C.1-4 (Appendix C.1).

*Table 3.3 2025 Surface Water Quality Monitoring Events at the Gordon Site*

| Receiving Environment Area | Location | Station ID | Grab Sample Type | Jan-2025 | Feb-2025 | Mar-2025 | Apr-2025 | May-2025 | Jun-2025 | Jul-2025 | Aug-2025 | Sep-2025 | Oct-2025 | Nov-2025 | Dec-2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Grab Sample and *In Situ* Measurements** | | | | | | | | | | | | | | | |
| Water Management Infrastructure | Wendy Pit | AQF4[V] | Surface & Deep | - | ✓ | ✓ | ✓ | ✓ | c | c | c | c | ✓ | ✓ | d |
| | East Pit | AQF6[V] | Surface & Deep | - | ✓ | ✓ | ✓ | ✓ | c | c | c | c | ✓ | ✓ | d |
| Near-Field | Gordon Lake | AQF2 | Surface | - | ✓ | ✓ | ✓ | ✓ | c | c | c | c | ✓ | ✓ | ✓ |
| | North Farley Lake | AQF33 | Surface | - | ✓ | ✓ | ✓ | ✓ | c | c | c | c | ✓ | ✓ | ✓ |
| | Farley Lake-west basin | AQF34[†V] | Surface & Deep | - | ✓ | ✓ | ✓ | ✓ | c | c | c | c | ✓ | ✓ | ✓ |
| | Farley Lake-west basin (mixing zone) | AQF34A | Surface | ✓ | ✓ | b | b | b | b | b | b | b | b | ✓ | b |
| | Farley Lake outlet | AQF9 | Surface | - | ✓ | ✓ | ✓ | ✓ | c | c | c | c | ✓ | ✓ | ✓ |
| | Susan Lake | AQF11 | Surface | - | - | ✓ | ✓ | ✓ | c | c | c | c | ✓ | ✓ | ✓ |
| | Pump Lake | AQF12 | Surface | - | ✓ | ✓ | ✓ | c | c | c | c | c | ✓ | ✓ | ✓ |
| | Hughes River - downstream of bridge | AQF40A | Surface | ✓ | ✓ | ✓ | ✓ | ✓ | c | c | c | c | ✓ | ✓ | ✓ |
| | Hughes River | AQF44 | Surface | ✓ | ✓ | ✓ | ✓ | ✓ | c | c | c | c | ✓ | ✓ | ✓ |
| Mid-Field | Swede Lake | AQF16[†V] | Surface & Deep | - | ✓ | ✓ | ✓ | ✓ | c | c | c | c | ✓ | ✓ | ✓ |
| | Swede Lake outlet | AQF15 | Surface | - | ✓ | ✓ | ✓ | ✓ | c | c | c | c | ✓ | ✓ | ✓ |
| Far-Field | Ellystan Lake | AQF37[†V] | Surface & Deep | - | ✓ | ✓ | ✓ | ✓ | c | c | c | c | ✓ | ✓ | ✓ |
| | Ellystan Lake Outlet | AQF20 | Surface | - | ✓ | ✓ | ✓ | ✓ | c | c | c | c | ✓ | ✓ | ✓ |
| Reference | Hughes River – upstream of bridge | AQF41 | Surface | ✓ | ✓ | ✓ | ✓ | ✓ | c | c | c | c | ✓ | ✓ | ✓ |
| | White Owl Lake | AQF13[†V] | Surface & Deep | - | - | ✓ | ✓ | ✓ | c | c | c | c | ✓ | ✓ | ✓ |
| | Unnamed stream (White Owl Lake Outlet) | AQF49 | Surface | - | - | ✓ | ✓ | ✓ | c | c | c | c | ✓ | ✓ | ✓ |
| | Low Lake outlet | AQF47A | Surface | ✓ | ✓ | ✓ | ✓ | ✓ | c | c | c | c | ✓ | ✓ | ✓ |
| | Low Lake | AQF50[†V] | Surface & Deep | - | - | ✓ | ✓ | ✓ | c | c | c | c | ✓ | ✓ | ✓ |
| Additional Sampling | Farley Creek | AQF48[M] | Surface | ✓ | a | a | a | a | a | a | a | a | ✓ | ✓ | ✓ |
| | Hughes River | AQF42 | Surface | ✓ | a | a | a | a | a | a | a | a | a | a | a |
| | Hughes River | AQF45 | Surface | ✓ | a | a | a | a | a | a | a | a | a | a | a |
| | Swede Lake outlet | AQF35 | Surface | ✓ | a | a | a | a | a | a | a | a | a | a | a |
| | Marie Lake | AQF7 | Surface | - | ✓ | a | a | a | a | a | a | a | a | a | a |
| | Marnie Lake | AQF38 | Surface | - | ✓ | a | a | a | a | a | a | a | a | a | a |
| | Mac Lake outlet | AQF46 | Surface | ✓ | ✓ | a | a | a | a | a | a | a | a | a | a |

| Receiving Environment Area | Location | Station ID | Grab Sample Type | Jan-2025 | Feb-2025 | Mar-2025 | Apr-2025 | May-2025 | Jun-2025 | Jul-2025 | Aug-2025 | Sep-2025 | Oct-2025 | Nov-2025 | Dec-2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***In Situ* Measurements Only** | | | | | | | | | | | | | | | |
| Near-Field | Gordon Lake | AQF2 | - | ✓ | ✓̲ | ✓̲ | ✓̲ | ✓̲ | *c* | *c* | *c* | *c* | ✓̲ | ✓̲ | ✓̲ |
| | Wendy Pit | AQF4$^{V}$ | - | ✓ | ✓̲ | ✓̲ | ✓̲ | ✓̲ | *c* | *c* | *c* | *c* | ✓̲ | ✓̲ | ✓ |
| | East Pit | AQF6$^{V}$ | - | ✓ | ✓̲ | ✓̲ | ✓̲ | ✓̲ | *c* | *c* | *c* | *c* | ✓̲ | ✓̲ | ✓ |
| | Farley Lake | AQF34$^{V}$ | - | ✓ | ✓̲ | ✓̲ | ✓̲ | ✓̲ | *c* | *c* | *c* | *c* | ✓̲ | ✓̲ | ✓̲ |
| | Susan Lake | AQF11 | - | - | ✓ | ✓̲ | ✓̲ | ✓̲ | *c* | *c* | *c* | *c* | ✓̲ | ✓̲ | ✓̲ |
| Fish-bearing Wetlands | FAR6-A1; inside max GW drawdown | FAR7-A1-1 | - | - | ✓ | ✓ | ✓ | ✓ | *c* | *c* | *c* | *c* | ✓ | ✓ | ✓ |
| | FAR7-A1; inside max GW drawdown | FAR6-A1-1 | - | - | ✓ | ✓ | ✓ | *c* | *c* | *c* | *c* | *c* | ✓ | ✓ | ✓ |

Notes:

- No sample collected.

† Surface and deep grab samples collected, beginning in March 2025.

$^{V}$ Vertical profile location

*a* Station removed for 2025 program; not required as per Federal Decision Statement (FDS) and Surface Water Management and Monitoring Plan (SWMMP) requirements.

*b* Station at the edge of mixing zones of future effluent discharge locations; monitoring at these locations will resume prior to the Project operations phase but are not required during the construction phase.

*c* No sample collected because of mandatory evacuation due to forest fire activity.

*d* No grab sample or profile collected; sampling no longer required per Recommended Amended FDS (August 6, 2025).

✓̲ Measurement collected; site type changed to the collection of both grab sample and *in situ* measurements.

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*Table 3.4 2025 Surface Water Quality Monitoring Events at the MacLellan Site*

| Receiving Environment Area | Location | Station ID | Grab Sample Type | Jan-2025 | Feb-2025 | Mar-2025 | Apr-2025 | May-2025 | Jun-2025 | Jul-2025 | Aug-2025 | Sep-2025 | Oct-2025 | Nov-2025 | Dec-2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Grab Sample and *In Situ* Measurements** | | | | | | | | | | | | | | | |
| Near-Field | Minton Lake | AQM16[V] | Surface | - | ✓ | ✓ | ✓ | ✓ | d | d | d | d | ✓ | ✓ | ✓ |
| | Payne Lake (middle) | AQM31[V] | Surface | - | ✓ | ✓ | ✓ | d | d | d | d | d | ✓ | ✓ | ✓ |
| | Payne Lake outlet near Keewatin River | AQM72[M] | Surface | ✓ | ✓ | ✓ | ✓ | d | d | d | d | d | ✓ | ✓ | ✓ |
| | Keewatin River, at edge of mixing zone of future effluent discharge location | AQM76 | Surface | - | - | - | ✓ | ✓ | d | d | d | d | ✓ | ✓ | ✓ |
| | Keewatin River; upstream of KEE3-B1 and downstream of Payne Lake outlet | AQM77[M] | Surface | ✓ | ✓ | ✓ | ✓ | ✓ | d | d | d | d | ✓ | ✓ | ✓ |
| | KEE3-B1; tributary to Keewatin River, downstream of open pit and MRSA | AQM71 | Surface | ✓ | ✓ | a | ✓ | ✓ | d | d | d | d | ✓ | ✓ | ✓ |
| | Keewatin River- d/s of confluence with KEE3-B1 | AQM8 | Surface | - | ✓ | ✓ | ✓ | ✓ | d | d | d | d | ✓ | e | ✓ |
| | Dot Lake | AQM5 | Surface | - | ✓ | ✓ | ✓ | ✓ | d | d | d | d | ✓ | ✓ | ✓ |
| Mid-Field | Unnamed lake downstream of Minton Lake | AQM21 | Surface | - | ✓ | ✓ | ✓ | ✓ | d | d | d | d | ✓ | ✓ | ✓ |
| Far-Field | Cockeram Lake | AQM9[†V] | Surface & Deep | - | ✓ | ✓ | ✓ | d | d | d | d | d | ✓ | ✓ | ✓ |
| | Cockeram River | AQM10 | Surface | - | ✓ | ✓ | ✓ | ✓ | d | d | d | d | ✓ | ✓ | ✓ |
| | Lynn River | AQM28 | Surface | ✓ | ✓ | ✓ | ✓ | ✓ | d | d | d | d | ✓ | ✓ | ✓ |
| | Keewatin River- d/s of confluence with Lynn River | AQM29C | Surface | ✓ | ✓ | ✓ | ✓ | ✓ | d | d | d | d | ✓ | e | ✓ |
| Reference Stations | Burge Lake | AQM23[†V] | Surface & Deep | - | ✓ | ✓ | ✓ | ✓ | d | d | d | d | ✓ | ✓ | ✓ |
| | Keewatin River- u/s of Project | AQM4A | Surface | - | ✓ | ✓ | ✓ | d | d | d | d | d | ✓ | ✓ | ✓ |
| | Carr Lake | AQM91[†V] | Surface & Deep | - | ✓ | ✓ | ✓ | ✓ | d | d | d | d | ✓ | ✓ | ✓ |
| | Carr Lake outlet | AQM78[M] | Surface | - | ✓ | ✓ | ✓ | ✓ | d | d | d | d | ✓ | ✓ | ✓ |
| | Desieyes Lake outlet | AQM14 | Surface | - | ✓ | ✓ | ✓ | d | d | d | d | d | ✓ | ✓ | ✓ |
| Additional Sampling | Arbour Lake | AQM15 | Surface | - | ✓ | b | b | b | b | b | b | b | b | b | b |
| | Inlet to Minton Lake | AQM73 | Surface | ✓ | b | b | b | b | b | b | b | b | b | b | b |
| | Arbor Lake outlet | AQM74 | Surface | a | b | b | b | b | b | b | b | b | b | b | b |
| | Payne Lake outlet | AQM75 | Surface | ✓ | b | b | b | b | b | b | b | b | b | b | b |
| | Keewatin River, at edge of mixing zone of future effluent discharge location | AQM76-T25[M] | Surface | ✓ | ✓ | c | c | c | c | c | c | c | c | c | c |
| | Keewatin River, at edge of mixing zone of future effluent discharge location | AQM76-T50[M] | Surface | ✓ | ✓ | c | c | c | c | c | c | c | c | c | c |
| | Keewatin River, at edge of mixing zone of future effluent discharge location | AQM76-T75[M] | Surface | ✓ | ✓ | c | c | c | c | c | c | c | c | c | c |

| Receiving Environment Area | Location | Station ID | Grab Sample Type | Jan-2025 | Feb-2025 | Mar-2025 | Apr-2025 | May-2025 | Jun-2025 | Jul-2025 | Aug-2025 | Sep-2025 | Oct-2025 | Nov-2025 | Dec-2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***In Situ* Measurements Only** | | | | | | | | | | | | | | | |
| Near-Field | Keewatin River- d/s of confluence with KEE3-B1 | AQM8 | - | ✓ | ✓̲ | ✓̲ | ✓̲ | ✓̲ | *d* | *d* | *d* | *d* | ✓̲ | *e* | ✓ |
| | Minton Lake | AQM16 | - | ✓ | ✓̲ | ✓̲ | ✓̲ | ✓̲ | *d* | *d* | *d* | *d* | ✓̲ | ✓̲ | ✓̲ |
| | Payne Lake (middle) | AQM31 | - | ✓ | ✓̲ | ✓̲ | ✓̲ | *d* | *d* | *d* | *d* | *d* | ✓̲ | ✓̲ | ✓̲ |
| Reference | Keewatin River- u/s of Project | AQM4A | - | ✓ | ✓̲ | ✓̲ | ✓̲ | *d* | *d* | *d* | *d* | *d* | ✓̲ | ✓̲ | ✓̲ |
| Fish-bearing Wetlands | KEE3-B2-A2; inside max GW drawdown | KEE3-B2-A2-1 | - | - | ✓ | ✓ | ✓ | ✓ | *d* | *d* | *d* | *d* | ✓ | ✓ | ✓ |
| | COC2-LOB1; outside max GW drawdown | COC2-LOB1-1 | - | - | ✓ | ✓ | ✓ | ✓ | *d* | *d* | *d* | *d* | ✓ | ✓ | ✓ |
| | West of Minton Lake, inside max GW drawdown | COC2-LOB2-MIN4-1 | - | - | *a* | *a* | ✓ | ✓ | *d* | *d* | *d* | *d* | ✓ | ✓ | *a* |
| | KEE3-PAY2; outside max GW drawdown | KEE3-PAY2-1 | - | - | ✓ | *a* | *a* | *d* | *d* | *d* | *d* | *d* | ✓ | ✓ | *a* |
| | KEE3-DOT3; outside max GW drawdown | KEE3-DOT3-1 | - | - | ✓ | ✓ | ✓ | ✓ | *d* | *d* | *d* | *d* | ✓ | ✓ | ✓ |

Notes:

\- No sample collected.

† Surface and deep grab samples collected, beginning in March 2025.

V Vertical profile location

M Monitoring location with seasonal data gaps for total and dissolved methylmercury.

*a* Waterbody frozen to bottom; no sample collected.

*b* Station removed for 2025 program; not required as per FDS and SWMMP requirements.

*c* Station at the edge of mixing zones of future effluent discharge locations; A cross-channel transect was established at AQM76 on the Keewatin River, and samples were collected at three points corresponding to approximately 25% (T-25), 50% (T-50), and 75% (T-75) of the river width from one bank. Monitoring the transect of the Keewatin River at AQM76 will resume prior to the Project operations phase but are not required during the construction phase.

*d* No sample collected because of mandatory evacuation due to forest fire activity.

*e* No sample collected due to flooding caused by ice buildup downstream.

✓̲ Measurement collected; site type changed to the collection of both grab sample and *in situ* measurements.

GW Groundwater

### 3.2.1.1 Gordon Site

#### *3.2.1.1.1 Water Quality Summary and Guidelines Comparison*

#### Reference Monitoring Sites

#### *Grab Sample Results*

At Reference monitoring locations at the Gordon site, monitoring was conducted monthly beginning in January or March, except between June and September (Table 3.3). Grab samples were collected at the surface and at depth in White Owl Lake (AQF13) and Low Lake (AQF50), and at surface at the Hughes River (AQF41), the White Owl Lake outlet (AQF49), and the Low Lake outlet (AQF47A). Of the current Reference monitoring locations, only AQF13 was included in EIS monitoring (Stantec 2017b, 2020b). An additional reference location at Mac Lake (AQF14) was listed in the EIS but was not monitored in 2025 (Stantec 2017b). Therefore, a comparison of 2025 results to previously observed conditions at Reference locations as a group are limited to results from AQF13 and AQF14.

*In situ* DO, water temperature, and pH results at the Reference monitoring locations in 2025 were generally consistent with monitoring results at EIS reference locations (2017b, 2020b). *In situ* DO was below the minimum MSOG-FAL (6.0 mg/L) and CWQG-PAL (6.5 mg/L) in seven of 46 measurements at three stations (AQF13, AQF47A, AQF50), with a minimum concentration recorded near the lakebed at AQF50 (0.72 mg/L in April 2025) that was outside the ranged observed during EIS monitoring (5.57 mg/L to 15.8 mg/L). One measurement at AQF50 was below the CWQG-PAL only (6.27 mg/L in May 2025). Total suspended solids (TSS) values ranged from less than the laboratory RDL (1.0 mg/L) to 21.7 mg/L. Higher TSS concentrations (425 mg/L in February, 1,050 mg/L in March, 70 mg/L in April) were recorded at AQF47A and are attributed to sediment resuspension from use of an ice auger during grab sample collection under frozen conditions. Total alkalinity (as $CaCO_3$) ranged from 10.5 mg/L to 77.2 mg/L, which is similar to the range observed at EIS reference locations (14.4 mg/L to 68.3 mg/L). Low alkalinity values (i.e., less than 100 mg/L) indicate limited acid buffering potential.

There were exceedances at the Reference monitoring locations of the MSOG-FAL, CWQG-PAL and/or FEQG values in 2025 for nine parameters for at least one monitoring event – total phosphorus, hexavalent chromium, dissolved copper dissolved manganese, total aluminum, total cobalt, total copper, total iron, and total lead (Table C.1-2, Appendix C.1). The remaining general chemistry and metals parameters reported concentrations below the MSOG-FAL, CWQG-PAL, and FEQG values (Table C.1-2, Appendix C.1).

Total phosphorus was identified as a POPC in the EIS (Stantec 2020c) and as naturally occurring above the MSOG-FAL during EIS monitoring (Stantec 2020b). Six exceedances of the MSOG-FAL out of 46 samples were observed at two locations in 2025 (AQF47A, AQF49), with a maximum concentration at AQF47A (1.64 mg/L; February 2025). Elevated concentrations of total phosphorus at AQF47A are attributed to high suspended sediment concentrations that occurred from the use of an ice auger at the shallow wetland stream from February to April 2025.

Hexavalent chromium was identified as naturally occurring above applicable guidelines during EIS monitoring (Stantec 2017b, 2020b). Two exceedances of CWQG-PAL out of 46 samples were observed at two locations in 2025 (AQF49, AQF50), with a maximum concentration at AQF49 (0.00404 mg/L; April 2025); 80% of reported concentrations were below the RDL (0.0005 mg/L).

Two parameters with exceedances in 2025 were not identified as above applicable guidelines during EIS monitoring but are attributed to natural variability within the reference waterbodies and watercourses (Stantec 2017b, 2020b). These included:

- Dissolved Manganese: four exceedances of CWQG-PAL values out of 46 samples were observed at two locations in 2025 (AQF13, AQF47A), with a maximum concentration at AQF13 (0.664 mg/L; March 2025).
- Dissolved Copper: one exceedance (0.00275 mg/L) of MSOG-FAL (for both chronic and acute exposure) and FEQG values out of 46 samples was observed at AQF41 in January 2025, which is within the reported range at AQF41 (0.00021 mg/L to 0.0041 mg/L) during 2022 and 2023 monitoring conducted to support the Gordon Mine Pit Dewatering NOA/ NOC (Stantec 2024).

Exceedances of MSOG-FAL, CWQG-PAL and/or FEQG values in 2025 for the parameters below occurred exclusively at the Low Lake outlet (AQF47A). These exceedances occurred between February and April 2025 under frozen conditions, during which augering through the ice likely caused sediment resuspension.

- Total Aluminum: three exceedances of MSOG-FAL, CWQG-PAL and FEQG values, with a maximum concentration of 6.27 mg/L (February 2025).
- Total Cobalt: three exceedances of FEQG values, with a maximum concentration of 0.00436 mg/L (February 2025).
- Total Copper: three exceedances of CWQG-PAL values, with a maximum concentration of 0.00829 mg/L (February 2025).
- Total Iron: five exceedances of the MSOG-FAL and CWQG-PAL values, and three exceedances of FEQG values, with a maximum concentration of 10.7 mg/L (February 2025).
- Total Lead: one exceedance (0.00291 mg/L) of the CWQG-PAL was reported in February 2025.

### *In Situ Profiles*

*In situ* profiles were collected at AQF13 and AQF50. The AQF13 site has a shallow depth profile (<4 m) and the profiles collected in May and October indicate that it is an isothermal or unstratified system during the open-water season (Figure C.2-1, Appendix C.2). Meanwhile, the temperature profile collected in May for AQF50 indicates the presence of a thermocline, but by October the water column at AQF50 was isothermal. During November and December, the temperature profiles collected at AQF13 and AQF50 indicate that winter stratification occurs.

Depth-dependent concentrations of DO were observed at AQF13 and AQF50 throughout the year of data collection (Figure C.2-2, Appendix C.2). In October, the decrease in DO at AQF13 was moderate (surface concentration of 12.98 mg/L, bottom concentration of 2.82 mg/L) while the DO change with depth at AQF50 was minor (surface concentration of 11.92 mg/L, bottom concentration of 9.31 mg/L). Microbial activity at the sediment-water interface may be responsible for the consumption of DO in the water column throughout the summer and fall. This trend appears to persist throughout the winter, with depth-dependent DO concentrations observed in March and April at the two sites.

At AQF13 and AQF50, pH generally decreased with depth for the monitoring events (Figure C.2-3, Appendix C.2). At AQF13, pH profiles from March to May had small decreases in pH (<0.3 change). At AQF50, a larger range in pH values were recorded in April (surface pH of 8.51, bottom pH of 6.82) and May (surface pH 7.60, bottom pH of 6.59). The AQF50 pH profiles are more characteristic of systems in which photosynthetic activity is occurring in the upper portion of the water column which utilizes $CO_2$ and results in an increase in pH. A decrease in pH was observed at the bottom of the water column in October for AQF13 and AQF50, but the magnitude of pH change and the water depth over which the decrease occurs was larger at AGF13 (pH decrease from 7.65 to 6.29) than AQF50 (pH decrease from 7.51 to 7.08). By December, the depth-dependent pH profiles at AQF13 and AQF50 were consistent with reduced photosynthetic activity and continued $CO_2$ production in the lower portion of the water column.

The SPC and TDS profiles at AQF13 and AQF50 were approximately uniform throughout the monitoring period (Figure C.2-4 and Figure C.2-5, Appendix C.2). An increase in SPC from 132.8 µS/cm to 194.5 µS/cm at AQF13 occurred in October in the bottom metre of the water column. However, the magnitude of this increase was lower in the November profile (67.0 µS/cm to 99.9 µS/cm). At the start of the open-water season (i.e., April to May), no evidence of ion accumulation was observed at AQF13. Given the shallow depth of the system (<4 m), turnover and mixing are expected to prevent any accumulation of ions near the sediment-water interface. Meanwhile, the SPC and TDS profiles at AQF50 were relatively constant, indicating relatively low to no vertical gradient in dissolved ions exists across the water column and no ion accumulation occurs at the bottom of the water column.

### Water Management Infrastructure

#### *Grab Sample Results*

The Wendy Pit (AQF4) and East Pit (AQF6) were collected from historical pit lakes at the Gordon site associated with previous gold mining activities. Grab samples were collected at the surface and at depth monthly between February and May and between October and November (Table 3.3). The collection of grab samples at AQF4 and AQF6 was removed as a requirement in the Recommended Amended FDS (August 6, 2025), so the collection of surface-only *in situ* measurements was implemented in December 2025. A recommencement of grab sampling will occur during the construction phase at the Gordon site, prior to and during pit dewatering.

*In situ* DO and water temperature results at the pit lakes for the months monitored in 2025 were found to be consistent with EIS monitoring results (Stantec 2017b, 2020b). The 2025 *in situ* pH values ranged from 6.6 to 8.0, which is within the range observed during EIS monitoring (6.55 to 8.22). In surface samples, *in situ* DO was below the minimum MSOG-FAL (6.0 mg/L) and CWQG-PAL (6.5 mg/L) at AQF4 and AQF6 in five of 24 measurements that occurred between March and April 2025. For samples at depth, *in situ* DO was below the minimum MSOG-FAL and CWQG-PAL threshold at both pit lakes in 14 of

24 measurements that occurred in the monitored months of 2025. The lab result TSS values ranged from less than RDL (1.0 mg/L) to 11.5 mg/L. Total alkalinity (as $CaCO_3$) ranged from 87.4 mg/L to 262 mg/L, which is similar to the concentration range observed during EIS monitoring (73.4 mg/L to 247 mg/L). The relatively high alkalinity values (i.e., greater than 100 mg/L) indicate limited acid buffering potential in the pit lakes.

There were exceedances in the historical pit lakes of the MSOG-FAL, CWQG-PAL and/or FEQG values in 2025 for seven parameters for at least one monitoring event – fluoride, total phosphorus, total arsenic, total iron, dissolved manganese, total aluminum, and hexavalent chromium (Table C.1-2, Appendix C.1). The remaining general chemistry and metals parameters reported concentrations below the MSOG-FAL, CWQG-PAL, and FEQG values (Table C.1-2, Appendix C.1). Exceedances of the above parameters were limited to samples collected at or neat the bottom of each pit lake, except for hexavalent chromium, which was recorded above the CWQG-PAL (0.001 mg/L) for one sampling event at AQF6 in February. This is consistent with conditions observed during EIS monitoring since the pit lakes are chemically stratified year-round and exhibit elevated concentrations of general parameters (alkalinity, hardness, specific conductance), metals (arsenic, magnesium, copper, nickel, and uranium), and other ions (calcium, chloride, fluoride, potassium, sodium, and sulphate) when compared to surrounding waterbodies and watercourses (Stantec 2017b).

Parameters identified as POPCs in the EIS (Stantec 2020c) and as naturally occurring above applicable guidelines during EIS monitoring (Stantec 2017b, 2020b) with exceedances at the pit lakes in 2025, included:

- Fluoride: 10 exceedances of CWQG-PAL out of 24 samples, with a maximum concentration at AQF4 (0.155 mg/L; May 2025) with observed concentrations within the range observed during EIS monitoring (0.056 mg/L to 0.158 mg/L).
- Total Phosphorus: 11 exceedances of MSOG-FAL out of 24 samples in the pit lakes in 2025; the maximum concentration was observed at AQF6 (0.0985 mg/L; May 2025), which was the only exceedance with a higher concentration than the EIS monitoring maximum value (0.061 mg/L).

Parameters identified as naturally occurring above applicable guidelines during EIS monitoring (Stantec 2017b, 2020b), with exceedances at the pit lakes in 2025, included:

- Total Arsenic: 11 exceedances of CWQG-PAL out of 24 samples, with a maximum concentration at AQF6 (0.0212 mg/L; May 2025). Exceedances were within the concentration range observed during EIS monitoring (0.00136 mg/L to 0.00995 mg/L) except for samples collected from March to May 2025, which were up to two times higher than the maximum concentration (0.00995 mg/L) and are potentially due to natural variability within the pit lakes with no site discharges or construction activities during that time period.
- Total Iron: 12 exceedances of MSOG-FAL, CWQG-PAL and FEQG out of 24 samples, with a maximum concentration at AQF6 (5.06 mg/L; May 2025). Exceedances were within the concentration range observed during EIS monitoring (<0.01 mg/L to 2.58 mg/L) except for samples collected from March to May 2025, which were up to two times higher than the maximum concentration (2.58 mg/L) and are attributed to natural variability within the pit lakes.

- Dissolved Manganese: six exceedances of CWQG-PAL out of 24 samples, with a maximum concentration that AQF6 (4.32 mg/L; March 2025). The observed exceedances at East Pit (AQF6) were within the concentration range observed during EIS monitoring (0.00012 mg/L to 3.67 mg/L) except for samples collected from March to May 2025, which were higher than the maximum concentration (3.67 mg/L).
- Total Aluminum: one exceedance (0.173 mg/L) of CWQG-PAL out of 24 samples in February 2025.
- Hexavalent Chromium: one exceedance (0.00137 mg/L) of CWQG-PAL out of 24 samples in February 2025.

### *In Situ Profiles*

*In situ* profiles were collected at AQF4 and AQF6. Evidence of a thermocline was observed for the May and October monitoring event at AQF4 and AQF6 during the open-water season (Figure C.2-1, Appendix C.2). Deep water depths at AQF4 and AQF6 are characteristic of systems capable of developing and maintaining thermal stratification throughout the open-water season. Evidence of winter (inverse) stratification was observed at both sites for January to April and November monitoring events (Figure C.2-1, Appendix C.2). Winter stratification occurs when the coldest water (near 0°C) is situated just below the surface of the ice while warmer and higher density water (near 4°C) is situated near the bottom.

An anoxic zone (i.e., 0 mg/L, or near 0 mg/L DO concentrations) of 20 m or greater in thickness was consistently observed throughout the year at AQF4 and AGF6 (Figure C.2-2, Appendix C.2). In deep systems that stratify such as the open-pit lakes (AQF4 and AQF6), the bottom layer of the water column (hypolimnion) can become isolated from atmospheric sources of oxygen for an extended period of time. While spring and fall turnover events can introduce oxygen into the deeper waters, complete vertical mixing may not occur across the entirety of the water column in very deep systems such as pit lakes (Pieters and Lawrence 2014). In the case of AQF4 and AQF6 specifically, an anoxic zone persisted for the months monitored, consistent with the results of the baseline technical data report (Stantec 2017b).

Profiles for pH were generally consistent with the mixing and stratification patterns inferred from the above temperature profiles. Generally, pH values were higher in the upper 20 m of the monitored water column, followed by a rapid decrease and subsequent stabilization at depth (Figure C.2-3, Appendix C.2). Similar pH profiles were observed for the inverse temperature stratification months (January to April) and in November at AQF4 and AQF6. This phenomenon indicates the potential for the persistence of a chemically stratified water column which results from the limited vertical mixing achieved in these systems. There were no recorded instances where pH was outside of the freshwater CWQG-PAL range of 6.5 to 9.0 (CCME 2026): at AQF4, pH ranged from 6.59 to 8.04; at AQF6, pH ranged from 6.88 to 7.99.

At AQF4 and AQF6, SPC and TDS increased with depth, indicating an accumulation and potential retention of dissolved ions in waters 20 m or more below the surface (Figure C.2-4 and Figure C.2-5, Appendix C.2). A rapid increase in SPC and TDS occurred over water depths of 9.0 m and 11.0 m. The depth-dependent patterns observed in SPC and TDS profiles at AQF4 and AQF6 were consistent throughout the year, where SPC and TDS remained high in bottom waters. This suggests that limited vertical mixing occurred to disrupt the ion concentration gradient at AQF4 and AQF6. Therefore, the water column contained distinct layers with substantial difference in dissolved ion concentrations (i.e., chemical stratification).

Corresponding ORP profiles indicate that reducing conditions were present across the bottom of the water column (Figure C.2-6, Appendix C.2). Under reducing conditions, sediments and the pit walls can release ions such as $Fe^{2+}$ and $Mn^{2+}$, which contribute to an increase in SPC at the bottom of the water column (Mollema et al. 2015; Pieters and Lawrence 2014).

The combination of water temperature, pH, SPC, TDS, and ORP profiles at AQF4 and AQF6 indicate that complete turnover is not achieved in the spring or fall (i.e., the open-pit lakes are meromictic), a finding consistent with the results of the baseline technical data report (Stantec 2017b). Profiles collected during 2025 for temperature DO, pH, and SPC were consistent with *in situ* profiles monitored for the baseline technical data report (Stantec 2017b). Winter stratification was observed in AQF4 and AQF6 in Stantec (2017b) during February and March, consistent with the 2025 observations. However, winter stratification temperature profiles were observed in November 2025 whereas the November profiles in Stantec (2017b) were near isothermal conditions. This finding is likely a result of variable year-to-year environmental conditions within the pit lake.

### Near-Field Monitoring Sites

#### *Grab Sample Results*

At the Near-Field monitoring locations at the Gordon site, monitoring was conducted monthly except between June and September (Table 3.3). Grab samples were collected at the surface and at depth in the west basin of Farley Lake (AQF34), at surface in Gordon Lake (AQF2), the north basin of Farley Lake (AQF33), in Farley Lake at the future mixing zone (AQF34A), at the Farley Lake outlet (AQF9), at Susan Lake (AQF11), at Pump Lake (AQF12), and at the Hughes River (AQF40A, AQF44).

*In situ* DO and water temperature results at the Near-Field monitoring locations in 2025 were consistent with results observed during EIS monitoring (Stantec 2017b, 2020b). *In situ* DO was below the minimum MSOG-FAL (6.0 mg/L) and CWQG-PAL (6.5 mg/L) in 14 of 72 measurements at five stations (AQF2, AQF9, AQF11, AQF33, AQF34), with a minimum concentration at AQF34 (0.42 mg/L in March 2025) that was within the concentration range observed during EIS monitoring at Near-Field locations (0.03 mg/L 14.09 mg/L). One measurement of *in situ* DO at AQF11 (6.44 mg/L in April 2025) was below the CWQG-PAL only. *In situ* pH values for Near-Field samples ranged from 6.4 to 8.2, which is similar to the range observed during EIS monitoring (6.45 to 8.49). One out of 72 *in situ* measurement of pH at AQF44 was below the minimum MSOG-FAL and CWQG-PAL value (6.5) with the lowest pH (6.4) recorded in January 2025. The TSS values ranged from less than the laboratory RDL (1.0 mg/L) to 26.4 mg/L. Total alkalinity (as $CaCO_3$) ranged from 11 mg/L to 166 mg/L, which is comparable to EIS monitoring results that ranged from 22.5 mg/L to 150 mg/L.

There were exceedances at the Near-Field monitoring locations of the MSOG-FAL, CWQG-PAL, and/or FEQG values for seven parameters for at least one monitoring event – total phosphorus, dissolved manganese, hexavalent chromium, total iron, dissolved copper, total aluminum, and cyanide (Table C.1-2, Appendix C.1). The remaining general chemistry and metals parameters reported concentrations below the MSOG-FAL, CWQG-PAL, and FEQG values (Table C.1-2, Appendix C.1).

Total phosphorus was identified as a POPC in the EIS (Stantec 2020c) and as naturally occurring above the MSOG-FAL during EIS monitoring (Stantec 2017b, 2020b). Eleven exceedances out of 65 samples were observed at four locations in 2025 (AQF2, AQF9, AQF12, AQF34), with a maximum concentration at AQF34 (0.402 mg/L; March 2025). Concentrations of total phosphorus in 2025 were typically higher than the maximum value reported during EIS monitoring (0.22 mg/L) and are potentially attributed to natural variability at Near-Field monitoring locations with no site discharges or construction activities during the 2025 monitoring period.

Parameters identified as naturally occurring above applicable guidelines during EIS monitoring (Stantec 2017b, 2020b), with exceedances at the Near-Field stations in 2025, included:

- Dissolved Manganese: five exceedances of CWQG-PAL out of 65 samples were observed at four monitoring locations (AQF2, AQF9, AQF34, AQF34A) in 2025, with a maximum concentration at AQF2 (0.911 mg/L; April 2025) and observed concentrations within the range observed during EIS monitoring (0.00097 mg/L to 1.3 mg/L).
- Hexavalent Chromium: four exceedances of CWQG-PAL out of 65 samples were observed at four[7] monitoring locations (AQF11, AQF33, AQF34, AQF44) in 2025, with a maximum concentration at AQF44 (0.00208 mg/L; January 2025) and observed concentrations within the range observed during EIS monitoring (<0.001 mg/L to 0.002 mg/L).
- Total Iron: 11 exceedances of CWQG-PAL and CWQG-PAL and eight exceedances of FEQG out of 65 samples were observed at five monitoring locations (AQF2, AQF9, AQF12[8], AQF34, AQF34A) in 2025, with a maximum concentration at AQF12 (2.61 mg/L; March 2025) and observed concentrations within the range observed during EIS monitoring (0.023 mg/L to 3.19 mg/L).

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[7] One exceedance of hexavalent chromium (0.00114 mg/L) was observed at AQF12 in April 2025, but the sample was discounted due to high RPDs.

[8] One exceedance of total iron (0.452 mg/L was observed at AQF12 in April 2025, but the sample was discounted due to high RPDs.

Parameters identified as naturally occurring above applicable guidelines during EIS monitoring (Stantec 2017b, 2020b), with exceedances at the Near-Field stations in 2025, included:

- Dissolved Copper: two exceedances of CWQG-PAL and FEQG values out of 65 samples were observed at two locations in the Hughes River (AQF40A, AQF44) in 2025, with a maximum concentration at AQF40A that also exceeded the MSOG-FAL acute exposure threshold (0.00471 mg/L; January 2025); the observed concentrations at AQF40A or AQF44 in 2025 are below the maximum concentrations observed during 2022 and 2023 monitoring conducted to support the Gordon Mine Pit Dewatering NOA/NOC (0.00504 mg/L and 0.00457 mg/L, respectively; Stantec 2024).
- Total Aluminum: two exceedances of MSOG-FAL and CWQG-PAL values out of 65 samples in Susan Lake (AQF11) and the Hughes River (AQF44) in 2025, with a maximum concentration at AQF11 (0.13 mg/L; April 2025) and observed concentrations within the range observed during EIS monitoring (0.0059 mg/L to 2.02 mg/L).

One exceedance of cyanide (0.0154 mg/L) out of 65 samples was reported at AQF44 in December 2025. Cyanide was not identified as above applicable guidelines in previous monitoring (Stantec 2024) but is potentially attributed to natural variability within the Hughes River. No site discharges or construction activities occurred in 2025 and 97% of reported cyanide concentrations at the Near-Field locations were below the RDL (0.0010 mg/L).

### *In Situ Profiles*

*In situ* profiles were collected at AQF2, AQF33, AQF34, AQF11, and AQF44. Evidence of a water temperature-based thermocline was observed at AQF34 and AQF11 during the May monitoring event but was not present in October (Figure C.2-1, Appendix C.2). The thermocline observed in May at AQF11 is hypothesized to be intermittent and unlikely to persist into the summer months because of shallow water depths (maximum depth of approximately 4.5 m at AQF11). In contrast, AQF34 is a deeper site at which thermal stratification during the open-water season is more likely to occur. Among other remaining near-field sites (i.e., AQF2, AQF33, AQF44), shallow water depths (<4.3 m) appear to limit the extent of thermal stratification throughout the open-water season. Evidence of winter (inverse) stratification was observed at the deeper site (i.e., AQF34) and several of the shallower sites (i.e., AQF2, AQF33, AQF11). No evidence of winter stratification was observed at AQF44. Ice cover during the winter reduces wind-driven mixing and water depth is less of a limitation to thermal stratification (Woolway et al. 2021; Yang et al. 2025; Yang et al. 2020). Conclusions regarding winter stratification at shallow sites are based upon profiles collected in March and April.

Concentrations of DO varied across sites and were generally related to water depth and stratification patterns. Very low (<1 mg/L) DO was recorded in the lower depths of profiles measured at AQF34, AQF33, and AQF2 for at least one event (Figure C.2-2, Appendix C.2). In these shallower systems, DO depletion may occur at the sediment-water interface as a result of microbial respiration and sediment oxygen demand. However, these processes are generally limited to sediments, the sediment-water interface, and the diffusive boundary layer (located above the sediment-water interface) which range from millimetre to centimetre-scale thickness (Lorke et al. 2003; Man et al. 2024). Therefore, the extent of

DO depletion typically remains limited to the bottom-most portion of the water column. Substantial anoxic layers, as were observed in the deep open-pit lakes (AQF4 and AQF6), did occur throughout the water column of the shallower systems. Moreover, periods of low-DO conditions are generally impermanent in shallow systems as more complete vertical mixing is achieved which prevents the persistence of anoxic or hypoxic conditions across a substantial portion of the water column. For example, while some depth-dependent DO concentrations were observed at AQF2 during March, April, November, and December, the DO concentration was approximately constant across the water column in May and October. This result indicates a seasonal pattern to low-DO conditions near the waterbody bottom. Meanwhile at AQF34, a depth-dependent DO relationship was observed in all months, but the extent of DO depletion varied with time: hypoxic (<2 mg/L) conditions were observed in January, February, April, and May; near-anoxic (<0.5 mg/L) conditions were observed in March; and DO concentrations greater than 2 mg/L were observed in October, November, and December. While low-DO conditions were observed at the bottom of the water column, sufficient DO concentrations existed in the upper portion of the water column (>7.6 mg/L) to support fish species for each of the monitoring events (CCME 2026).

Profiles for pH were generally consistent with the mixing and stratification patterns inferred from the temperature profiles and ranged from 6.39 (minimum pH at AQF44) to 8.22 (maximum pH at AQF34). The relatively uniform pH profiles at sites AQF2, AQF33, and AQF44 (Figure C.2-3, Appendix C.2) are consistent with well-mixed, isothermal systems, and/or systems with a high buffering capacity (i.e., ability to resist changes in pH). Meanwhile, at a deeper site (i.e., AQF34), pH ranged from 7.12 to 8.22 across the water column. During the May profile at AQF34, pH values were higher at the top of the water column and were followed by a rapid decrease and subsequent stabilization at depth. This pH gradient is indicative of photosynthetic activity in the upper portion of the water column. At the sites, pH generally decreased with depth during the winter. Ice and snow cover limit light penetration which in turn limits primary production. The $CO_2$ produced through respiration can accumulate at depth, resulting in a reduction in pH. The only recorded instance where pH was outside of the freshwater CWQG-PAL range of 6.5 to 9.0 occurred in January at AQF44 when a surface pH of 6.39 was measured.

Profiles for SPC and TDS were relatively constant with depth at the Near-Field monitoring sites (Figure C.2-4 and Figure C.2-5, Appendix C.2). These uniform SPC and TDS profiles suggest that there are low, or no vertical gradients in dissolved ions present across the water column. These results indicate that systems are well-mixed with low ion accumulation at the bottom of the water column.

As part of the water quality baseline technical data report (Stantec 2017b), profiles for temperature, DO, pH, and SPC were monitored at AQF33 at 1-m intervals, and were generally consistent with the 2025 observations. However, the DO declines recorded at bottom depths during 2025 were not observed during EIS monitoring (Stantec 2017b). The 2025 methods benefited from continuous profile data which provided higher resolution profiles and a greater ability to resolve conditions at the time of data collection.

## Mid-Field Monitoring Sites

### *Grab Sample Results*

At the Gordon site Mid-Field monitoring locations, monitoring was conducted monthly beginning in February except between June and September (Table 3.3). Grab samples were collected at the surface and at depth in Swede Lake (AQF16) and at surface at the Swede Lake outlet (AQF15).

*In situ* DO, water temperature, and pH results at the Mid-Field monitoring locations in 2025 were found to be consistent with results observed during EIS monitoring (Stantec 2017b, 2020b). *In situ* DO was below the minimum MSOG-FAL (6.0 mg/L) and CWQG-PAL (6.5 mg/L) in three of 20 measurements at AQF16, with a minimum concentration of 1.58 mg/L recorded near the lakebed in March 2025. TSS values ranged from less than the laboratory RDL (1.0 mg/L) to 7.3 mg/L. Total alkalinity (as $CaCO_3$) ranged from 56.4 mg/L to 73.3 mg/L, which is comparable to EIS monitoring results that ranged from 24.5 mg/L to 69.3 mg/L. Low alkalinity values (i.e., less than 100 mg/L) indicate limited acid buffering potential.

There were exceedances at the Mid-Field monitoring locations of the MSOG-FAL and/or CWQG-PAL values for three (3) parameters for at least one monitoring event – total phosphorus, hexavalent chromium, and total copper (Table C.1-2, Appendix C.1). The remaining general chemistry and metals parameters reported concentrations below the MSOG-FAL, CWQG-PAL, and FEQG values (Table C.1-2, Appendix C.1).

Total phosphorus was identified as a POPC in the EIS (Stantec 2020c) and as naturally occurring above the MSOG-FAL during EIS monitoring (Stantec 2017b, 2020b). Two exceedances of MSOG-FAL out of 20 samples were observed at AQF16 in 2025, with a maximum concentration of 0.0372 mg/L (May 2025). Concentrations of total phosphorus in 2025 were within the concentration range observed at Mid-Field monitoring locations during EIS monitoring (0.012 mg/L to 0.033 mg/L) except for the maximum concentration at AQF16 which slightly above this range.

Hexavalent chromium and total copper were identified as naturally occurring above applicable guidelines during EIS monitoring (Stantec 2017b, 2020b). One exceedance of hexavalent chromium (0.00176 mg/L) and one exceedance of total copper (0.00363 mg/L) out of 20 samples were observed at AQF15 in February and December 2025, respectively. Both metal parameters had 75% of reported concentrations were below the RDLs (0.0005 mg/L).

### *In Situ Profiles*

*In situ* profiles were collected at AQF16 and AQF15. Based on the shallow water depths (<5.5 m) at AQF16 and AQF15 and 2025 water temperature profiles, these sites are anticipated to be unable to sustain thermal stratification during the open-water season (May and October) (Figure C.2-1, Appendix C.2). The water temperature profiles collected in November and December indicate that winter stratification occurs at AQF16 and AQF15. However, no profiles are available in January and February to validate this result.

During the May monitoring period, AQF16 and AQF15 had no low-DO measurements, suggesting the water column was well-mixed during the spring turnover event (Figure C.2-2, Appendix C.2). In October and November, DO concentrations decreased in the bottom portion of the water column, however concentrations remained sufficiently high (>2.4 mg/L) to avoid oxygen-limited conditions. Concentrations of DO decreased near the bottom of AQF16 during March and April. In the AQF16 shallow system (<4 m), respiration in the water column and sediment throughout the winter can potentially result in low-DO conditions in the spring. When ice cover is no longer a factor and turnover is completed, DO concentrations are replenished and profiles are consistent with those collected in May.

The pH profiles at AQF16 and AQF15 were similar throughout the monitoring period (Figure C.2-3, Appendix C.2). In March, April, and May, the pH was constant with depth. In October and November, pH remained approximately constant throughout the upper portion of the water column but exhibited an increase at the bottom of the water column, likely reflecting $CO_2$ accumulation near the sediment-water interface during partial mixing in the upper portion of the water column. In November and December, depth-dependent pH profiles were consistent with reduced photosynthetic activity and continued $CO_2$ production in the lower portion of the water column.

The SPC and TDS profiles at AQF16 and AQF15 were approximately uniform throughout the monitoring period (Figure C.2-4, Appendix C.2). This finding suggests that a relatively low to no vertical gradient in dissolved ions exists across the water column and no ion accumulation occurs at the bottom of the water column.

## Far-Field Monitoring Sites

### *Grab Sample Results*

At the Far-Field monitoring locations at the Gordon site, monitoring was conducted monthly beginning in February except between June and September (Table 3.3). Grab samples were collected at the surface and at depth in Ellystan Lake (AQF37) and at surface at the Ellystan Lake outlet (AQF20).

*In situ* DO, water temperature, and pH results at the Far-Field monitoring locations in 2025 were found to be consistent with results observed during EIS monitoring (Stantec 2017b, 2020b). *In situ* DO was below the minimum MSOG-FAL (6.0 mg/L) and CWQG-PAL (6.5 mg/L) in three of 20 measurements at AQF37, with a minimum concentration of 4.67 mg/L recorded near the lakebed in October 2025 that is within the range observed during EIS monitoring (0.37 mg/L to 16 mg/L). TSS values ranged from less than the laboratory RDL (1.0 mg/L) to 3.3 mg/L. Total alkalinity (as $CaCO_3$) ranged from 37.4 mg/L to 58.1 mg/L, which is within the range observed during EIS monitoring (12 mg/L to 62.6 mg/L). Low alkalinity values (i.e., less than 100 mg/L) indicate limited acid buffering potential.

There were exceedances at the Far-Field monitoring locations of the MSOG-FAL, CWQG-PAL and/or FEQG values for four parameters for at least one monitoring event – total phosphorus, hexavalent chromium, total aluminum, and total iron (Table C.1-2, Appendix C.1). The remaining general chemistry and metals parameters reported concentrations below the MSOG-FAL, CWQG-PAL, and FEQG values (Table C.1-2, Appendix C.1).

Total phosphorus was identified as a POPC in the EIS (Stantec 2020b) and as naturally occurring above the MSOG-FAL during EIS monitoring (Stantec 2017b, 2020b). Two exceedances of MSOG-FAL out of 20 samples were observed at two locations in 2025 (AQF20, AQF37) with a maximum concentration at AQF20 (0.0267 mg/L; October 2025). Both exceedances of total phosphorus in 2025 were within the concentration range observed during EIS monitoring for Far-Field monitoring locations (<0.01 mg/L to 0.051 mg/L; Stantec 2017b, 2020b).

Parameters identified as naturally occurring above applicable guidelines during EIS monitoring (Stantec 2017b, 2020b), with exceedances at Far-Field locations in 2025, included:

- Hexavalent Chromium: two exceedances of CWQG-PAL out of 20 samples were observed at AQF37, with a maximum concentration at surface of 0.0045 mg/L (April 2025) that was 2.8 times higher than the maximum concentration observed during EIS monitoring (0.0016 mg/L); 80% of reported concentrations were below RDL (0.0005 mg/L) and remaining detected concentrations were within the range observed during EIS monitoring (<0.001 mg/L to 0.0016 mg/L).
- Total Aluminum: one exceedance of CWQG-PAL out of 20 samples was observed at AQF37 (0.417 mg/L in October 2025 and observed concentrations were within the range observed during EIS monitoring (0.0069 mg/L to 0.335 mg/L).
- Total Iron: one exceedance of CWQG-PAL out of 20 samples was observed at AQF37 (1.47 mg/L in October 2025) that was 1.6 times higher than the maximum concentration observed during EIS monitoring (0.895 mg/L) and but remaining concentrations in 2025 were within the range observed during EIS monitoring (0.026 mg/L to 0.895 mg/L).

### *In Situ Profiles*

*In situ* profiles were collected at AQF37. At AQF37 (<6 m depth) no thermocline is evident in the temperature profiles collected in May and October (Figure C.2-1, Appendix C.2). The temperature profile collected at AQF37 in December, March and April indicates that winter stratification occurs at the site.

Concentrations of DO decreased at the bottom of the water column at AQF37 from October to December (Figure C.2-2, Appendix C.2). The extent of DO depletion was relatively low with concentrations remaining greater than 4.6 mg/L near the bottom of the profiles throughout the year.

The pH at AQF37 was generally constant with depth during March, April, and May (Figure C.2-3, Appendix C.2). During October, November, and December, pH decreased at the bottom of the water column. These profiles likely reflect $CO_2$ accumulation at the bottom of the water column which occurs when photosynthetic activity is reduced and respiration dominates.

The SPC profiles at AQF37 were approximately uniform throughout the monitoring period (Figure C.2-4, Appendix C.2). This finding suggests that relatively low to no vertical gradient in dissolved ions exists across the water column and that no ion accumulation occurs at the bottom of the water column.

### Fish-Bearing Wetlands

Two fish-bearing wetland locations located inside the LAA at the Gordon site (FAR7-A1-1, FAR6-A1-1) were monitored for *in situ* pH and other parameters with no grab samples as to support requirement 3.15.1 of the FDS (Table C.1-2, Appendix C.1). Monitoring began in February and occurred monthly in 2025, except between June and September (Table 3.3).

*In situ* pH values ranged from 6.33 to 7.81 and a single *in situ* measurement at FAR7-A1-1 (pH of 6.33) was recorded below the minimum MSOG-FAL and CWQG-PAL value in December 2025. There were eight measurements at both locations (i.e., FAR6-A1-1, FAR7-A1-1) where *in situ* DO concentrations were below the minimum MSOG-FAL (6.0 mg/L) and CWQG-PAL (6.5 mg/L), out of a total of 13 measurements. Low DO concentrations ranged between 0.77 mg/L and 5.08 mg/L and were typically observed in winter or early spring events. No fish-bearing wetland locations were included during EIS monitoring (Stantec 2017b).

### Additional Sampling

Additional sampling in 2025 at the Gordon site occurred at seven monitoring locations that were not part of the surface water quality follow-up monitoring program. Surface grab samples were collected at Farley Creek (AQF48), the Hughes River (AQF42, AQF45), the Swede Lake Outlet (AQF35), Marie Lake (AQF7), Marnie Lake (AQF38), and the Mac Lake outlet (AQF46) in January and/or February 2025 to support a future Hughes River monitoring plan in relation to pit dewatering and/or to further characterize baseline conditions ahead of Project construction (Table C.1-2 (Appendix C.1). The locations upgradient of AQF48 were discontinued in March 2025 as the monitoring program design was refined to align with requirements listed in Condition 3.14.2 of the FDS and the SWMMP. Exceedances of MSOG-FAL, CWQG-PAL and/or FEQG values were observed at the additional sampling locations in 2025 for the following parameters:

- Dissolved copper at AQF42 (0.00122 mg/L in January 2025) and AQF45 (0.00250 mg/L in January 2025), which was also above the MSOG-FAL acute exposure threshold[9]
- Fluoride at AQF38 (0.127 mg/L in February 2025)
- *In situ* pH at AQF35 (6.11 in January 2025) and AQF45 (6.36 in January 2025)
- Total aluminum at AQF35 (0.362 mg/L in January 2025)
- Total cadmium at AQF7 (0.0000642 mg/L in February 2025)
- Total iron at AQF35 (0.942 mg/L in January 2025) and AQF48 (0.399 mg/L in December 2025)
- Total phosphorus at AQF35 (0.0838 mg/L in January 2025)

Monthly sampling related to previously identified seasonal gaps in methylmercury analysis occurred at AQF48 in January and monthly from October to December 2025 (Table C.1-2, Appendix C.1).

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[9] The observed concentration above the MSOG-FAL acute exposure threshold is below the maximum dissolved copper concentration (0.00418 mg/L) observed during 2022 and 2023 monitoring conducted to support the Gordon Mine Pit Dewatering NOA/NOC (Stantec 2024).

Total mercury and dissolved mercury was below laboratory RDL <5.0 ng/L) in all samples. Meanwhile, total methylmercury ranged from 0.063 ng/L (in October) to 0.731 ng/L (in December). Dissolved methylmercury ranged from 0.052 ng/L (in October) to 0.730 ng/L (in December). No exceedances of MSOG-FAL or CWQG-PAL values occurred for mercury or methylmercury at AQF48 during any of the four monitoring events (Table C.1-2, Appendix C.1).

###### 3.2.1.1.2 Statistical Comparison of Receiving Environment and Reference Station Groups

To provide a preliminary assessment of statistical differences in parameter concentrations in 2025 among receiving environment (Near-Field, Mid-Field, Far-Field) and Reference station groups at the Gordon site, Kruskal-Wallis non-parametric tests were used alongside box-and-whisker plots as described in Section 3.1.4. Of the parameters of interest tested for potential differences between receiving environment areas (Table C.1-1, Appendix C.1), 14 were found to have potential statistical differences between at least two of the receiving environment or reference groups. Of the 14 parameters identified, median concentrations fell within the range observed during EIS monitoring except for chloride and fluoride for the Mid-Field group, which were above this range (Table 3.5). Pairwise post-hoc test were not applied to evaluate potential statistical differences between group pairs due to identified non-independence among samples and the use of a conservative significance threshold of 0.01 (instead of 0.05) for the overall Kruskal-Wallis test. Potential statistical differences between group pairs were evaluated qualitatively through visual comparison of concentration distributions and the interquartile range (IQR) presented in box-and-whisker plots. Kruskal-Wallis statistics and median concentrations for the parameters of interest are provided in Table 3.5 and presented in box-and-whisker plots in Figures C.3-1 to C.3-14 (Appendix C.3).

Median concentrations of total and dissolved arsenic, total hardness (as $CaCO_3$), dissolved calcium, dissolved magnesium, and total alkalinity, were highest at Near-Field locations, decreased with increasing distance from the Gordon site in the receiving environment, and were lowest in the Reference group (Table 3.5; Figure C.3-1 to C.3-4, C.3-7, C.3-8, Appendix C.3). Near-Field concentrations for these parameters were highly variable and generally spanned the respective ranges observed at the Mid-Field, Far-Field, and Reference groups. Potential statistical differences were observed between each of Mid-Field, Far-Field, and Reference groups as concentrations of the above parameters within these monitoring groups had comparatively narrower distributions and clearer distinction between the interquartile range (IQR) of each grouping. Of the above parameters assessed with guideline values, total arsenic concentrations were below the CWQG-PAL value (0.005 mg/L) at each location across the four stations groups at the Gordon site (Figure C.3-3, Appendix C.3).

Similar observations were made for other dissolved ions (fluoride, sulfate, potassium, and sodium), for which potential statistical differences were identified between each of Mid-Field, Far-Field, and Reference groups; however, median concentrations were highest at Mid-Field monitoring locations (Table 3.5; Figure C.3-10 to C.3-12, Appendix C.3). Near-Field concentrations of sulfate, dissolved potassium, and dissolved sodium were highly variable and generally spanned the range observed at other areas. Additionally, a potential statistical difference in fluoride concentrations was observed between Near-Field and Reference locations. Of the above parameters assessed with guideline values, fluoride concentrations were below the CWQG-PAL value (0.12 mg/L) at each location across the four station groups at the Gordon site (Figure C.3-6, Appendix C.3). The median fluoride concentration (0.0935 mg/L) in the Mid-Field group was slightly higher than the maximum concentration observed during EIS monitoring (0.093 mg/L; Stantec 2017b, 2020b).

Median concentrations of total and dissolved uranium were highest in the Near-Field group, decreased in the receiving environment with increasing distance from the Gordon site and were lowest in the Reference group. Unlike other parameters above, a potential statistical difference was observed between the receiving environment (Near-Field, Mid-Field and Far-Field) and reference station groups (Table 3.5; Figure C.3-13, C.3-14, Appendix C.3). Total uranium concentrations were below the MSOG-FAL and CWQG-PAL value (0.015 mg/L) at each location across the four station groups (Figure C.3-14, Appendix C.3).

The highest median concentrations of dissolved manganese were observed at Mid-Field monitoring locations and a potential statistical difference in concentration was observed between Mid-Field and Far-Field areas and (Table 3.5; Figure C.3-9, Appendix C.3). Concentrations at Near-Field, Mid-Field, and Reference locations were highly variable and the IQRs from each group of stations overlapped. Median dissolved manganese concentrations were below the group-specific calculated CWQG-PAL values for each receiving environment and reference group (Figure C.3-9, Appendix C.3). However, exceedances of CWQG-PAL were observed at Near-Field locations such as Gordon Lake (two at AQF2), Farley Lake (four at AQF34/34A) and the Farley Lake outlet (one at AQF9), and Reference locations such as White Owl Lake (two at AQF13) and the Low Lake outlet (two at AQF47A). Exceedances of the CWQG-PAL for dissolved manganese were also observed at the above Near-Field locations during EIS monitoring (Stantec 2017b, 2020b). No CWQG-PAL exceedances of dissolved manganese observed at designated reference locations during EIS monitoring. However, elevated dissolved manganese concentrations at Reference locations in 2025 are attributed to natural variability.

The lowest median concentrations of chloride were observed in Reference monitoring station group with results predominantly below the RDL (0.5 mg/L). There were several near-field stations (AQF2, AQF9, AQF11, AQF12, AQF40A, AQF44) that also predominantly had values below the RDL. There is a potential statistical difference between Reference locations and both Mid-Field and Far-Field locations based on the 2025 monitoring results for these stations being below the RDL. Chloride concentrations were below the CWQG-PAL value (120 mg/L) at each location across the four station groups. The median chloride concentration (0.685 mg/L) in the Mid-Field group was slightly higher than the maximum concentration observed during EIS monitoring (0.67 mg/L; Stantec 2017b, 2020b).

*Table 3.5 2025 Kruskal-Wallis Test Results for Parameters with Differences in Concentration Among Receiving Environment and Reference Station Groups*

| Parameter Name | Statistic (H) | P-Value (Adjusted)[1] | Near-Field | | Mid-Field | | Far-Field | | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2025 Median (mg/L) | EIS Monitoring Range[2] (mg/L) | 2025 Median (mg/L) | EIS Monitoring Range[2] (mg/L) | 2025 Median (mg/L) | EIS Monitoring Range[2] (mg/L) | 2025 Median (mg/L) | EIS Monitoring Range[2] (mg/L) |
| Alkalinity, Total (as $CaCO_3$) | 38.0 | 1.23E-07 | 79.2 | 22.5 - 150 | 63.3 | 24.5 - 69.3 | 51.8 | 12 - 62.6 | 38.7 | 14.4 - 68.3 |
| Arsenic (D) | 21.7 | 2.71E-04 | 0.0004 | <0.0002 - 0.00374 | 0.00037 | 0.00012 - 0.00051 | 0.000295 | 0.00013 - 0.00043 | 0.00025 | 0.00015 0.00051 |
| Arsenic (T) | 20.1 | 5.51E-04 | 0.00041 | <0.0002 - 0.00365 | 0.000395 | 0.00023 - 0.00065 | 0.00032 | 0.00018 - 0.00043 | 0.000275 | 0.00015 0.00048 |
| Calcium (D) | 29.7 | 6.40E-06 | 24.1 | 6.37 - 47.7 | 17 | 8.15 - 23.3 | 14.6 | 3.67 - 16.6 | 11.15 | 4.28 - 22.2 |
| Chloride | 55.9 | 3.60E-11 | 0.53 | <0.5 - 1.03 | **0.685** | <0.5 - 0.67 | 0.61 | <0.5 - 0.77 | - | <0.5 - 0.52 |
| Fluoride | 85.6 | 3.88E-17 | 0.079 | 0.038 - 0.099 | **0.0935** | 0.058 - 0.093 | 0.081 | 0.044 - 0.084 | 0.052 | 0.028 - 0.061 |
| Hardness (as $CaCO_3$) | 18.4 | 1.05E-03 | 90.6 | 22.5 - 167 | 61.6 | 29 - 83.3 | 52.3 | 13.5 - 60.8 | 37.8 | 14.3 - 78.4 |
| Magnesium (D) | 44.3 | 6.45E-09 | 6.42 | 1.53 - 11.7 | 5.61 | 2.4 - 6.1 | 4.37 | 1.14 - 4.91 | 2.23 | 0.878 - 5.57 |
| Manganese (D) | 18.4 | 1.05E-03 | 0.0104 | 0.00012 - 1.3 | 0.0242 | 0.00029 - 0.128 | 0.00652 | 0.00074 - 0.121 | 0.00364 | 0.00024 - 0.0864 |
| Potassium (D) | 48.2 | 1.12E-09 | 1.19 | 0.546 - 4.17 | 1.37 | 0.895 - 1.78 | 1.15 | 0.586 - 1.58 | 0.629 | 0.505 - 2.23 |
| Sodium (D) | 50.1 | 5.06E-10 | 2.45 | 0.903 - 6.06 | 3.12 | 1.31 - 3.38 | 2.49 | 1.27 - 2.9 | 1.42 | 0.529 - 3.1 |
| Sulfate | 60.0 | 5.79E-12 | 3.88 | 0.57 - 46.3 | 7.24 | 0.93 - 11.9 | 4.92 | 0.73 - 6.03 | 0.725 | 0.32 - 13.1 |
| Uranium (D) | 89.4 | 1.16E-17 | 0.000065 | 0.000014 - 0.00097 | 0.0000545 | 0.000043 - 0.00013 | 0.0000325 | 0.00003- 0.00005 | - | <0.0001- 0.00015 |
| Uranium (T) | 74.7 | 5.71E-15 | 0.000079 | 0.000016 - 0.00112 | 0.0000615 | <0.0001- 0.00017 | 0.0000385 | 0.00003 - 0.000059 | 0.000011 | <0.0001- 0.00015 |

Notes:

[1] Log transformed

[2] Concentration range (min – max) from monitoring results reported in Stantec 2017b and 2020b

D Dissolved

T Total

\- Concentration below Reportable Detection Limit (RDL)

EIS Environmental Impact Statement

**Bold** 2025 Median concentration above maximum concentration observed during EIS monitoring (Stantec 2017b, 2020b)

### 3.2.1.2 MacLellan Site

#### *3.2.1.2.1 Water Quality Summary and Guidelines Comparison*

#### Reference Monitoring Sites

#### *Grab Sample Results*

At the MacLellan site Reference monitoring locations, monitoring was conducted monthly beginning in February, except between June and September (Table 3.3). Grab samples were collected at the surface and at depth in Burge Lake (AQM23) and Carr Lake (AQM91), and at surface at the Keewatin River upstream of the Project (AQM4A), the Carr Lake outlet (AQM78), and the Desieyes Lake outlet (AQM14). Of the current Reference monitoring locations, AQM14 alone was included during EIS monitoring (Stantec 2017b, 2020b). Additional Reference locations listed in the EIS that are no longer monitored in 2025 include Arbor Lake (AQM15), North Goldsand Lake (AQM1) and South Goldsand Lake (AQM3) (Stantec 2017b). Therefore, a comparison of 2025 results to previously observed conditions at Reference locations as a group are limited to results from AQM14 and the discontinued lake locations listed above.

*In situ* DO, water temperature, pH, and TSS results at the Reference monitoring locations in 2025 were found to be consistent with monitoring results at EIS reference locations (Stantec 2017b, 2020b). TSS values ranged from less than the laboratory RDL (1.0 mg/L) to 20.7 mg/L. *In situ* DO was below the minimum MSOG-FAL (6.0 mg/L) and CWQG-PAL (6.5 mg/L) in 6 of 47 total measurements at two stations (AQM23, AQM91), with a minimum concentration near the lake bottom at AQM91 (0.84 mg/L mg/L; April 2025). Eight *in situ* measurements of pH at five monitoring locations (AQM4A, AQM14, AQM23, AQM78, AQM91) were below the lowest limit (6.5) of the MSOG-FAL and CWQG-PAL values with the lowest pH (5.94) recorded at AQM78 in April 2025. One high concentration of TSS was recorded at AQM14 (44.8 mg/L; March 2025) and was attributed to high suspended sediment concentrations that occurred from the use of an ice auger. Total alkalinity (as $CaCO_3$) ranged from below the RDL (2 mg/L) mg/L to 23.6 mg/L, which is similar to the concentration range reported at EIS reference locations (5.5 mg/L to 30.2 mg/L). Low alkalinity values (i.e., less than 100 mg/L) indicate limited acid buffering potential.

There were exceedances at the Reference monitoring locations of the MSOG-FAL, CWQG-PAL and/or FEQG values for nine parameters – total aluminum, total copper, total cadmium, total phosphorus, hexavalent chromium, total iron, dissolved copper, dissolved zinc, and dissolved manganese (Table C.1-2, Appendix C.1). The remaining general chemistry and metals parameters reported concentrations below the MSOG-FAL, CWQG-PAL, and FEQG values (Table C.1-2, Appendix C.1).

Parameters identified as POPCs in the EIS (Stantec 2020b) with exceedances at Reference locations in 2025, included:

- Total Aluminum: four exceedances of the MSOG-FAL and CWQG-PAL of 47 samples were observed at four monitoring locations in 2025 (AQM14, AQM23, AQM78, AQM91), with a maximum concentration at AQM14 (0.226 mg/L; March 2025) and observed concentrations similar to the range observed at EIS reference locations (0.0069 mg/L to 0.21 mg/L).
- Total Copper: two exceedances of the MSOG-FAL and CWQG-PAL of 47 samples were observed at AQM4A, with a maximum concentration of 0.00221 mg/L (December 2025) and observed concentrations within the observed range at EIS reference locations (<0.0002 mg/L to 0.00264 mg/L).
- Total Cadmium: one exceedance of the CWQG-PAL of 47 samples was observed at AQM14 (0.000186 mg/L; November 2025); exceedances of total cadmium were not identified during EIS monitoring and 66% of reported concentrations in 2025 were below the RDL (0.000005 mg/L).

Parameters identified as naturally occurring above applicable guidelines in the baseline studies (Stantec 2017b, 2020b), with exceedances at the Reference locations in 2025, included:

- Total Phosphorus: nine exceedances of MSOG-FAL of 47 samples were observed at three monitoring locations (AQM14, AQM78, AQM91), with a maximum concentration at AQM14 (0.0854 mg/L; April 2025) and observed concentrations within the observed range at EIS reference locations (0.0029 mg/L to 0.091 mg/L).
- Hexavalent Chromium: two exceedances of CWQG-PAL of 47 samples were observed at two monitoring locations (AQM14, AQM91), with a maximum concentration at AQM14 (0.00391 mg/L; March 2025); observed exceedances were up to 2.4 times higher than the maximum value observed at EIS reference locations (0.0016 mg/L) but are attributed to natural variability since AQM14 is located in a separate watershed than areas potentially affected by the Project.
- Total Iron: 18 exceedances of the MSOG-FAL and CWQG-PAL values, and 8 exceedances of FEQG values of 47 samples were observed at four locations (AQM14, AQM23, AQM78, AQM91), with a maximum concentration at AQM14 (1.63 mg/L; March 2025) with observed concentrations within the observed range at EIS reference locations (0.042 mg/L to 2.25 mg/L).
- Dissolved Copper: two exceedances of MSOG-FAL and one exceedance of the FEQG of 47 samples were observed at two locations (AQM4A, AQM23), with a maximum concentration at AQM23 (0.00178 mg/L; March 2025) that is slightly above the maximum value observed at EIS reference locations (0.00156 mg/L).

Three parameters with exceedances in 2025 were not identified as above applicable guidelines during EIS monitoring but are attributed to natural variability within the reference waterbodies and watercourses since they are located in separate watersheds than areas potentially affected by the Project (Stantec 2017b, 2020b). These included:

- Dissolved Zinc: two exceedances of MSOG-FAL and/or CWQG-PAL of m e were observed for at two locations in 2025 (AQM14, AQM91), with a maximum[10] concentration at AQM91 that also exceeded the MSOG-FAL and CWQG-PAL acute exposure thresholds (0.0441 mg/L; October 2025). No sampling occurred at AQM91 during EIS monitoring (Stantec 2017b, 2020b).
- Dissolved Manganese: one exceedance of the CWQG-PAL (0.396 mg/L) of 47 samples was observed at AQM91 in April 2025.

### *In Situ Profiles*

*In situ* profiles were collected at AQM23 and AQM91. The May temperature profile at AQM23 suggests the potential establishment of a thermocline during the open-water season, but no thermocline was observed in October (Figure C.2-7, Appendix C.2). At AQM91, shallow water depths (<4 m) likely limit the occurrence of thermal stratification throughout the open-water season with the temperature profile collected in October indicates an isothermal, well-mixed system. Evidence of winter stratification was recorded at both AQM23 and AQM91 in December, March, and April.

Concentrations of DO at AQM23 and AQM91 were likely approximately constant with depth for the open-water season, based on the May and October results (Figure C.2-8, Appendix C.2). A thin layer (approximately 1 cm) was present at the bottom of the water column in October over which DO decreases were observed. Profiles collected in November, December, March, and April indicate a depth-dependent relationship of DO concentrations with concentration at their lowest in April (1.93 mg/L at AQM23, 0.84 mg/L at AQM91). The winter low DO concentrations were measured at the bottom of the water column where consumption of DO due to microbial activity likely occurs throughout the fall and winter.

At AQM23, surface pH in the upper 2 m of the water column in May was higher than the pH in the underlying water (Figure C.2-9, Appendix C.2). These conditions are consistent with photosynthetic activity which consumes $CO_2$ and increases pH values. In November and December, pH at AQM23 followed an approximately linear relationship with depth. Microbial decomposition processes at the sediment-water interface contribute $CO_2$ inputs, which accumulate and diffuse upward under ice-covered conditions. Profiles collected at AQM91 appear to be similar to those from AQM23, however the extent of pH decrease is smaller in magnitude.

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[10] A high dissolved zinc concentration was observed at AQM91in February 2025 (0.154 mg/L) that exceeded the MSOG-FAL and CWQG-PAL chronic and acute exposure thresholds. However, it is excluded from the record of exceedances above as it is considered a likely anomalous result, despite laboratory confirmation, because the corresponding total zinc concentration was observed below the RDL (<0.0030 mg/L).

Across the available profiles at AQM23 and AQM91, SPC was approximately constant throughout the water column, suggesting systems are well-mixed, with little to no dissolved ion accumulation (Figure C.2-10, Appendix C.2).

### Near-Field Monitoring Sites

#### *Grab Sample Results*

At Near-Field monitoring locations at the MacLellan site, monitoring was conducted monthly beginning in January (AQM71, AQM72, AQM77) or February (AQM5, AQM8, AQM16, AQM31), except between June and September (Table 3.3). Grab samples were collected at the surface of each waterbody and watercourse, as Near-Field waterbodies lack sufficient depth to require the collection of a second sample at depth. These included Minton Lake (AQM16), Payne Lake (AQM31), the Payne Lake outlet to the Keewatin River (AQM72), the Keewatin River (AQM76, AQM77, AQM8), tributary KEE3-B1 (AQM71), and Dot Lake (AQM5).

*In situ* DO and water temperature results at the Near-Field monitoring locations in 2025 were found to be comparable to EIS monitoring results (Stantec 2017b, 2020b). *In situ* DO was below the minimum MSOG-FAL (6.0 mg/L) and CWQG-PAL (6.5 mg/L) in six of 62 total measurements at five stations in 2025 (AQM5, AQM16, AQM31, AQM71, AQM72), with a minimum concentration at AQM31 (3.16 mg/L; March 2025) that is within the range observed during EIS monitoring (0.16 mg/L to 14.32 mg/L). *In situ* pH values for samples ranged from 5.82 to 7.84, which is comparable to the range observed during EIS monitoring (5.33 to 7.73). Five of 62 measurements of *in situ* pH at five monitoring locations in 2025 (AQM5, AQM16, AQM31, AQM71, AQM72) were below the lowest limit (6.5) of the MSOG-FAL and CWQG-PAL values with the lowest pH (5.82) recorded at AQM72 in November 2025. The TSS concentrations in 2025 ranged from less than the laboratory RDL (1.0 mg/L) to 16.6 mg/L. Two high TSS concentrations (40.7 mg/L in March; 294 mg/L in April) were recorded at AQM31 and were attributed to high suspended sediment concentrations that occurred from the use of an ice auger. Total alkalinity (as $CaCO_3$) ranged from 7 mg/L to 109 mg/L, which is within the range observed during EIS monitoring (4.3 mg/L to 195 mg/L).

There were exceedances at the Near-Field monitoring locations of the MSOG-FAL, CWQG-PAL and/or FEQG values for 12 parameters – total aluminum, total copper, total cobalt, total cadmium, total phosphorus, hexavalent chromium, total iron, nitrite (as N), total lead, and total methylmercury (Table C.1-2, Appendix C.1). The remaining general chemistry and metals parameters reported concentrations were below the MSOG-FAL, CWQG-PAL, and FEQG values (Table C.1-2, Appendix C.1).

Parameters identified as POPCs in the EIS (Stantec 2020c) and as naturally occurring above applicable guidelines during EIS monitoring (Stantec 2017b, 2020b), with exceedances at Near-Field locations in 2025, included:

- Total Aluminum: 12 exceedances of the MSOG-FAL and CWQG-PAL out of 59 samples were observed at four monitoring locations in 2025 (AQM31, AQM71, AQM72, AQM76), with a maximum concentration that occurred at AQM71 (1.01 mg/L; February 2025) and observed concentrations within the range observed during EIS monitoring (0.0331 mg/L to 0.247 mg/L) except for those associated with discrete winter sampling events at AQM71 where sediment resuspension occurred from use of an ice auger during grab sample collection (January and February 2025).
- Total Copper: three exceedances of the MSOG-FAL and CWQG-PAL out of 59 samples were observed at two monitoring locations in 2025 (AQM71, AQM76), with a maximum concentration at AQM71 (0.00225 mg/L; February 2025) and observed concentrations within the range observed during EIS monitoring (0.00021 mg/L to 0.002 mg/L) except for those associated with discrete winter sampling events where sediment resuspension occurred from use of an ice auger during grab sample collection (January and February 2025).
- Total Cobalt: four exceedances of the FEQG out of 59 samples were observed at three monitoring locations in 2025 (AQM31, AQM71, AQM72), with a maximum concentration at AQM72 (0.00151 mg/L; October 2025) with 58% of 2025 concentrations below the DL (0.0001 mg/L); exceedance concentrations were up to two times higher than the maximum concentration observed during EIS monitoring (0.00067 mg/L) and are attributed to natural variability at Near-Field locations.
- Total Cadmium: two exceedances of the CWQG-PAL out of 59 samples were observed at AQM31 in 2025, with a maximum concentration of 0.0000868 mg/L (March 2025) with observed concentrations within the range observed during EIS monitoring (<0.000005 mg/L to 0.000075 mg/L) except for the maximum concentration that was associated with elevated TSS due to sediment resuspension during grab sample collection (March 2025).

Parameters identified as naturally occurring above applicable guidelines during EIS monitoring (Stantec 2017b, 2020b), with exceedances at Near-Field locations in 2025, included:

- Total phosphorus: 21 exceedances of MSOG-FAL out of 59 samples were observed at seven monitoring locations (AQM5, AQM8, AQM16, AQM31, AQM71, AQM72, AQM76) in 2025, with a maximum concentration that occurred at AQM71 (0.259 mg/L; February 2025) with observed concentrations within the range observed during EIS monitoring (<0.01 mg/L to 0.076 mg/L) except for those associated with discrete winter sampling events at AQM71 where sediment resuspension occurred from use of an ice auger during grab sample collection (January and February 2025).

- Hexavalent Chromium: five exceedances of CWQG-PAL and one exceedance of the FEQGs out of 59 samples were observed at four monitoring locations (AQM8, AQM16, AQM76, AQM77) in 2025, with a maximum concentration at AQM76 (0.00697 mg/L; April 2025) with 85% of 2025 concentrations below the DL (0.0005 mg/L) and exceedance concentrations up to five times higher than the maximum concentration observed during EIS monitoring (0.0014 mg/L) that are attributed to natural variability at Near-Field locations.
- Total Iron: 31 exceedances of MSOG-FAL and CWQG-PAL and 20 exceedances of FEQG out of 59 samples were observed at seven monitoring locations (AQM5, AQM8, AQM16, AQM31, AQM71, AQM72, AQM76) in 2025, with a maximum concentration at AQM31 (23.9 mg/L; March 2025) with observed concentrations within the range observed during EIS monitoring (0.149 mg/L to 7.61 mg/L) except for those associated with discrete winter sampling events at AQM71 where sediment resuspension occurred from use of an ice auger during grab sample collection (January and February 2025).

Five parameters with exceedances in 2025 were not identified as above applicable guidelines during EIS monitoring and are attributed to natural variability within the Near-Field waterbodies and watercourses (Stantec 2017b, 2020b). These included:

- Dissolved Copper: three exceedances of MSOG-FAL and one exceedance of the FEQG out of 59 samples were observed at two locations in 2025 (AQM8, AQM72), with a maximum concentration at AQM72 (0.00481 mg/L; January 2025) and exceedance concentrations above the maximum concentration observed during EIS monitoring (0.00133 mg/L).
- Dissolved Manganese: three exceedances of CWQG-PAL out of 59 samples were observed at two locations in 2025 (AQM5, AQM31), with a maximum concentration at AQM5 (0.472 mg/L; March 2025) and exceedance concentrations above the range observed during EIS monitoring (0.00069 mg/L to 0.295 mg/L).
- Nitrite (as N): one exceedance the MSOG-FAL and CWQG-PAL out of 59 samples (0.066 mg/L at AQM16) was observed in February 2025 and observed 2025 concentrations were lower than the maximum concentration observed during EIS monitoring (0.102 mg/L).
- Total Lead: one exceedance of CWQG-PAL (0.00109 mg/L at AQM31) out of 59 samples was observed in March 2025 with observed concentrations within the range observed during EIS monitoring (<0.00005 mg/L to 0.00152 mg/L).
- Total Methylmercury: one exceedance of CWQG-PAL (0.00607 µg/L at AQM71) out of 59 samples was observed in February 2025 and was associated with winter sampling at AQM71 where sediment resuspension occurred during ice augering into shallow water; remaining methylmercury concentrations in 2025 were either below applicable guidelines or below the DL (0.00002 µg/L).

### *In Situ Profiles*

*In situ* profiles were collected at AQM16 and AQM31. No evidence of a thermocline was observed at AQM16 and AQM31 during the open-water season, which is expected with the shallow depths of <2 m and <1 m, respectively (Figure C.2-7, Appendix C.2). Evidence of winter stratification was observed at AQM16 in temperature profile data collected between November and April.

Depth-dependent concentrations of DO were observed at AQM16 (Figure C.2-8, Appendix C.2). In October and December, a decrease in DO occurred at AQM16 over the bottom 0.5 m of the water column. Concentrations of DO in the upper portion of the water column were greater than 10 mg/L during May, October, November, December, and January. Lower DO concentrations (<5 mg/L) and a depth-dependent trend were observed in February, March, and April, likely indicating microbial activity at the sediment-water interface consumes DO throughout the fall and winter. Monitoring at AQM31 began in October and because of its shallow water depth (approximately 1 m), profile data was only collected in October. The single DO profile collected at AQM31 in October indicates a constant DO concentration with depth.

The pH profiles collected at AQM16 were approximately constant from January to May (Figure C.2-9, Appendix C.2). In October, lower pH values were observed in the bottom 0.5 m of the water column. Decreases in pH at the bottom of the water column can result from microbial decomposition which produces $CO_2$. The pH profile collected in October at AQM31 is uniform. Total alkalinity was generally lower at AQM31 than AQM16 (Table C.1-2, Appendix C.1).

Based on the available SPC profiles collected at AQM16 and AQM13 in May and October, SPC appeared to be approximately constant throughout the water column during the open-water season (Figure C.2-10, Appendix C.2). At AQM16, increases in SPC were observed at the bottom of the water column during October, December, February, March, and April. These increases in SPC may reflect sediment-water interactions and/or some accumulation of dissolved ions near the waterbody bottom which occurs prior to turnover events. The uniform SPC profile at AQM16 in May suggests that complete mixing of the system does occur, disrupting potential ion gradients established during the preceding months.

## Mid-Field Monitoring Sites

### *Grab Sample Results*

At the Mid-Field monitoring location at the MacLellan site, monitoring was conducted monthly beginning in February, except between June and September when the site was not accessible because of mandatory evacuation due to forest fires (Table 3.3). Grab samples were collected at the surface in the unnamed lake downstream of Minton Lake (AQM21).

*In situ* DO, water temperature, and pH results at the Mid-Field monitoring location in 2025 were found to be consistent with EIS monitoring results (Stantec 2017b, 2020b). *In situ* DO was below the minimum MSOG-FAL (6.0 mg/L) and CWQG-PAL (6.5 mg/L) in two of 7 total measurements at AQM21, with a minimum concentration of 2.23 mg/L in March 2025 that is slightly below the minimum concentration observed during EIS monitoring (2.32 mg/L). Two *in situ* measurements of pH at AQM21 were below the minimum MSOG-FAL and CWQG-PAL value (6.5) with the lowest pH (6.37) recorded in March 2025 within the range observed during EIS monitoring (5.69 to 7.21). TSS values ranged from less than the laboratory DL (1.0 mg/L) to 5.9 mg/L. Total alkalinity (as CaCO3) ranged from 13.4 mg/L to 29.3 mg/L, which is comparable to EIS monitoring results that ranged from 9.4 mg/L to 28.4 mg/L. Low alkalinity values (i.e., less than 100 mg/L) indicate limited acid buffering potential.

There were exceedances at the Mid-Field monitoring location of the MSOG-FAL, CWQG-PAL and/or FEQG values for two parameters – total phosphorus and total iron (Table C.1-2, Appendix C.1).
The remaining general chemistry and metals parameters reported concentrations below the MSOG-FAL, CWQG-PAL, and FEQG values (Table C.1-2, Appendix C.1).

Total phosphorus and total iron were identified as naturally occurring above applicable guidelines during EIS monitoring (Stantec 2017b, 2020b). Four exceedances of the MSOG-FAL for total phosphorus out of 7 total samples were observed at AQM21 in 2025, with a maximum concentration of 0.0319 mg/L (March 2025). Six exceedances of MSOG-FAL and CWQG-PAL and three exceedances of FEQG for total iron out of 7 total samples were observed in 2025, with a maximum concentration of 1.46 mg/L (March 2025). Exceedances of total phosphorus and total iron in 2025 were within or comparable to the concentration ranges of total phosphorus (0.02 mg/L to 0.046 mg/L) and total iron (0.106 mg/L to 1.05 mg/L) observed during EIS monitoring for the Mid-Field monitoring locations (Stantec 2017b, 2020b).

#### *In Situ Profiles*

No *in situ* profiles were collected at MacLellan mid-field sites in 2025. The mid-field sites were shallow (<1.5 m total water depth) with measurements limited to a single top and bottom reading within the profile. Inspection of the *in situ* water quality data for the monitoring events indicates these shallow systems are polymictic with uniform temperature and chemical conditions.

### Far-Field Monitoring Sites

#### *Grab Sample Results*

At the Far-Field monitoring locations at the MacLellan site, monitoring was conducted monthly beginning in January (AQM28, AQM29C) or February (AQM9, AQM10) except between June and September (Table 3.3). Grab samples were collected at the surface and at depth in Cockeram Lake (AMQ9) and at surface at the Cockeram River (AQM10), Lynn River (AQM28), and the Keewatin River downstream of both the Project area and the confluence with the Lynn River (AQM29C). The Far-Field monitoring locations, except AQM10, are downstream of the existing East Tailings Management Area (ETMA), which is the location of tailings from three historical copper and nickel mines that operated near Lynn Lake, MB, west of the Lynn River. During EIS monitoring, the influence of historical tailings storage in the ETMA were evident in CWQG-PAL and MSOG-FAL exceedances for copper, nickel, iron, zinc in the lower

Lynn River (AQM28), the Keewatin River downstream of the Lynn River confluence (AQM29[11]), and Cockeram Lake (AQM9) (Stantec 2017b, 2020b).

*In situ* DO, water temperature, and pH results from monitoring events at the Far-Field monitoring locations in 2025 were within the range observed during EIS monitoring (Stantec 2017b, 2020b). *In situ* DO was below the minimum MSOG-FAL (6.0 mg/L) and CWQG-PAL (6.5 mg/L) in two of 33 total measurements at AQM9 (5.81 mg/L in March 2025; 5.38 mg/L in October 2025) that were within the range observed during EIS monitoring (4.65 mg/L to 19.81 mg/L). Six *in situ* measurements of pH at three monitoring locations (AQM9, AQM10, AQM29C) were below the lowest limit (6.5) of the MSOG-FAL and CWQG-PAL values with the lowest pH (6.04) recorded at AQM29C in October 2025 within the range observed during EIS monitoring (5.23 to 7.8). TSS values ranged from less than the laboratory DL (1.0 mg/L) to 7.2 mg/L. Total alkalinity (as $CaCO_3$) ranged from 8.9 mg/L to 28.1 mg/L, which is within the range observed during EIS monitoring (5.8 mg/L to 43 mg/L). Low alkalinity values (i.e., less than 100 mg/L) indicate limited acid buffering potential.

There were exceedances at the Far-Field monitoring locations of the MSOG-FAL, CWQG-PAL and/or FEQG values for 11 parameters – total aluminum, total copper, total cobalt, total cadmium, dissolved copper, dissolved nickel, total nickel, total iron, dissolved zinc, total phosphorus, and hexavalent chromium (Table C.1-2, Appendix C.1). The remaining general chemistry and metals parameters reported concentrations below the MSOG-FAL, CWQG-PAL, and FEQG values (Table C.1-2, Appendix C.1).

Parameters identified as POPCs in the EIS (Stantec 2020c) and as naturally occurring above applicable guidelines during EIS monitoring (Stantec 2017b, 2020b), with exceedances at Near-Field locations in 2025, included:

- Total Aluminum: 11 exceedances of the MSOG-FAL and CWQG-PAL out of 33 samples were observed at two monitoring locations in 2025 (AQM10, AQM28), with a maximum concentration at AQM10 (0.316 mg/L; April 2025) and observed concentrations within the range observed during EIS monitoring (0.0279 mg/L to 0.462 mg/L).
- Total Copper: 16 exceedances of the MSOG-FAL and CWQG-PAL out of 33 samples were observed at three monitoring locations in 2025 (AQM9, AQM10, AQM28), with a maximum concentration at AQM28 (0.00911 mg/L; April 2025) and observed concentrations within the range observed during EIS monitoring (<0.0005 mg/L to 0.0569 mg/L).
- Total Cobalt: three exceedances of the FEQG out of 33 samples were observed at AQM28, with a maximum concentration of 0.00178 mg/L (April 2025) with observed concentrations within the range observed during EIS monitoring (<0.0001 mg/L to 0.00986 mg/L).
- Total Cadmium: one exceedance of the CWQG-PAL (0.0000726 mg/L) out of 33 samples was reported at AQM29C in February 2025 with observed concentrations within the range observed during EIS monitoring (<0.000005 mg/L to 0.000076 mg/L).

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[11] Discontinued station approximately 700 m upstream on the Keewatin River from active station AQM29C.

Parameters identified as naturally occurring above applicable guidelines during EIS monitoring due to the influence of historical ETMA tailings (Stantec 2017b, 2020b, 2020c), with exceedances at the Far-Field locations in 2025, included:

- Dissolved Copper: 13 exceedances of the MSOG-FAL (chronic exposure), two exceedances of MSOG-FAL (acute exposure) and CWQG-PAL and 16 exceedances of the FEQGs out of 33 samples were observed at four monitoring locations in 2025 (AQM9, AQM10, AQM28, AQM29C), with a maximum concentration at AQM28 (0.00422 mg/L; April 2025) and observed concentrations within the range observed during EIS monitoring (0.00043 mg/L to 0.0367 mg/L). Exceedances of the MSOG-FAL acute exposure threshold were observed at AQM8 (0.00174 mg/L in February) and AQM72 in January 2025, but not during other monitoring events in 2025. Both values were above the maximum concentration at AQM8 (0.00087 mg/L) and concentration range during EIS monitoring at Near-Field locations (<0.0001 to 0.00133 mg/L) but are potentially due to natural variability with no site discharges or construction activities during this time period.
- Dissolved Nickel: 21 exceedances of the MSOG-FAL out of 33 samples were observed at three monitoring locations (AQM9, AQM28, AQM29C), with a maximum concentration at AQM28 (0.0761 mg/L; May 2025) and observed concentrations within the range observed during EIS monitoring (<0.0004 mg/L to 0.338 mg/L).
- Total Nickel: eight exceedances of the CWQG-PAL out of 33 samples were observed at AQM28, with a maximum concentration of 0.0842 mg/L (May 2025) and observed concentrations within the range observed during EIS monitoring (0.0004 mg/L to 0.319 mg/L).
- Total Iron: 21 exceedances of the MSOG-FAL and CWQG-PAL and 13 exceedances of the FEQGs out of 33 samples were observed at four monitoring locations in 2025 (AQM9, AQM10, AQM28, AQM29C), with a maximum concentration at AQM10 (2.21 mg/L; April 2025); observed concentrations were within the ranged observed during EIS monitoring (0.093 mg/L to 1.59 mg/L) except for two exceedances observed at AQM10 in March (1.62 mg/L) and April (2.21 mg/L) that are attributed to natural variability.
- Dissolved Zinc: one exceedance of MSOG-FAL and FEQGs (0.0179 mg/L) out of 33 samples was observed at AQM9 in October 2025 with observed concentrations within the range observed during EIS monitoring (<0.002 mg/L to 0.0454 mg/L).
- Total Copper: as described above.
- Total Cadmium: as described above.

Parameters identified as naturally occurring above applicable guidelines during EIS monitoring (Stantec 2017b, 2020b), with exceedances at the Far-Field locations in 2025, included:

- Total Phosphorus: five exceedances of MSOG-FAL out of 33 samples were observed at AQM10, with a maximum concentration of 0.042 mg/L in April 2025 with observed concentrations within the range observed during EIS monitoring (<0.01 mg/L to 0.047 mg/L).
- Hexavalent Chromium: two exceedances of CWQG-PAL out of 33 samples were observed at two monitoring locations (AQM9, AQM10), with a maximum concentration at AQM9 (0.00174 mg/L; March 2025) with observed concentrations within the ranged observed during EIS monitoring (<0.001 mg/L to 0.0017 mg/L).

### *In Situ Profiles*

*In situ* profiles were collected at AQM9. No evidence of a thermocline was observed at AQM9 during the open-water season, however no temperature profiles were collected from May to September (Figure C.2-7, Appendix C.2). Thermal stratification during the open-water season is unlikely at AQM9 because of shallow water depths (<4 m). In October, a uniform temperature profile was recorded, indicative of an isothermal, well-mixed system. Evidence of winter stratification was observed at AQM9 in the November, December, March, and April profile results.

Depth-dependent DO concentration reductions observed in the bottom of the water column at AQM9 (Figure C.2-8, Appendix C.2). Decreases in DO concentrations were observed across the bottom 2 m of the water column during March and April, 0.1 m during October, 0.25 m in November, and 0.4 m in December. While the decrease in DO at the bottom of the water column was substantial (greater than a 6 mg/L decrease in some instances), oxygen-limited conditions were not achieved at any depth in the profile (minimum recorded DO concentration of 5.38 mg/L).

A reduction in pH occurred in the bottom 0.1 m of the water column at AQM9 for October, 0.3 m in November, and 0.5 m in December (Figure C.2-9, Appendix C.2). This decrease in pH can result from microbial decomposition of organic matter, which produces $CO_2$ and lowers pH.

At AQM9, the SPC profile was approximately constant throughout the water column, suggesting the system is well-mixed, with little to no dissolved ion accumulation (Figure C.2-10, Appendix C.2).

Profiles were collected at AQM9 as part of the EIS monitoring at the MacLellan Site (Stantec 2017b). The temperature and SPC profiles collected during 2025 were consistent with those presented in Stantec (2017b). Profiles for DO and pH were also similar, except Stantec (2017b) did not collect profiles from October to December when depth-dependent trends near the bottom of the water column were observed in 2025.

## Fish-Bearing Wetlands

Five fish-bearing wetland locations located inside the LAA at the MacLellan site (KEE3-B2-A2-1, COC2-LOB1-1, COC2-LOB2-MIN4-1, KEE3-PAY2-1, KEE3-DOT3-1) were monitored for pH and other *in situ* parameters with no grab samples to support requirement 3.15.1 of the FDS (Table C.1-2, Appendix C.1). Monitoring began in February and occurred monthly in 2025, except between June and September (Table 3.3).

*In situ* pH values ranged from 5.8 and 7.06. Seventeen of twenty-eight total *in situ* measurements of pH across the five locations were below the minimum MSOG-FAL and CWQG-PAL value (6.5) with the lowest pH (5.8) recorded at KEE3-PAY2-1 in October 2025. Of the 28 total dissolved measurements across the five sites, there were 13 measurements where *in situ* DO was below the minimum MSOG-FAL (6.0 mg/L) and CWQG-PAL (6.5 mg/L). These 13 DO measurements occurred across four locations (i.e., KEE3-B2-A2-1, COC2-LOB2-MIN4-1, KEE3-PAY2-1, KEE3-DOT3-1) with a range in concentrations between 0.83 mg/L and 5.07 mg/L, with low DO typically observed in winter or early spring. No fish-bearing wetland locations were included EIS monitoring (Stantec 2017b, 2020b).

## Additional Sampling

Additional sampling at the MacLellan site in 2025 occurred at seven monitoring locations that were not part of the surface water quality follow-up monitoring program. Surface grab samples were collected in January and/or February at Arbour Lake (AQM15), the inlet to Minton Lake (AQM73), the Payne Lake outlet (AQM75), and at three sampling locations on the cross-channel transect at AQM76[12] on the Keewatin River to further characterize baseline conditions ahead of Project construction. These locations were discontinued in March 2025 as the monitoring program design was refined to align with requirements listed in Condition 3.14.2 of the FDS and the SWMMP. Monitoring the transect of the Keewatin River at AQM76 will resume prior to the Project operations phase due to its location at the edge of a mixing zone of future effluent discharge but are not required during the construction phase. Exceedances of MSOG-FAL, CWQG-PAL and/or FEQG values observed at additional sampling locations in 2025 included:

- Total aluminum at AQM73 (0.128 mg/L in January 2025) and AQM76-T75 (0.177 mg/L in January 2025)
- Total chromium (hexavalent) at AQM73 (0.00168 mg/L in January 2025)
- Total copper at AQM76-T75 (0.00201 mg/L in January 2025)
- Total iron at AQM15 (0.879 mg/L in February 2025), AQM73 (1.23 mg/L in January 2025), AQM75 (1.15 mg/L in January 2025), AQM76-T25 (0.516 mg/L in January 2025), AQM76-T50 (0.336 mg/L in February 2025), and AQM76-T75 (0.797 mg/L in January 2025)
- Total phosphorus at AQM73 (0.0552 mg/L in January 2025), AQM76-T25 (0.0344 mg/L in January 2025), and AQM76-T75 (0.0411 mg/L in January 2025)

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[12] Samples were collected at three points corresponding to approximately 25% (T-25), 50% (T-50), and 75% (T-75) of the river width from one bank of the Keewatin River.

Monthly sampling related to previously identified seasonal gaps in methylmercury analysis occurred at the cross-channel transect at AQM76 (i.e., AQM76-T25, AQM76-T50, AQM76-T75) in January and February 2025 (Table C.1-2, Appendix C.1). Total mercury and dissolved mercury were below laboratory RDL <5.0 ng/L) in all samples. Across all samples, total methylmercury ranged from below RDL (<0.020 ng/L; in February 2025 at AQM76-T5 and in February 2025 at AQM76-T75) to 0.049 ng/L (in January 2025 at AQM76-T75). Meanwhile, dissolved methylmercury ranged from below RDL (<0.020 ng/L; in February 2025 at AQM76-T5) to 0.049 ng/L (in January 2025 at AQM76-T75) to 0.049 ng/L (in January 2025 at AQM76-T75). Methylmercury concentrations were highest in AQM76-T75 and lowest in AQM76-T50. No exceedances of MSOG-FAL or CWQG-PAL values occurred for mercury or methylmercury at AQM76 during either of the two monitoring events at any of the three transect samples (Table C.1-2, Appendix C.1).

#### *3.2.1.2.2 Statistical Comparison of Receiving Environment and Reference Station Groups*

To provide a preliminary assessment of statistical differences in parameter concentrations in 2025 among receiving environment (Near-Field, Mid-Field, Far-Field) and Reference station groups at the MacLellan site, Kruskal-Wallis non-parametric tests were used alongside box-and-whisker plots as described in Section 3.1.4. Of the parameters of interest tested for potential differences between receiving environment areas (Table C.1-1, Appendix C), 22 were found to have potential statistical differences between at least two of the receiving environment or reference groups (Table 3.6). Of the 22 parameters identified, median concentrations fell within the range observed during EIS monitoring except for dissolved sodium in the Mid-Field group (Table 3.6). Grouped pairs were evaluated as described in Section 3.2.1.1.2. Kruskal-Wallis statistics and median concentrations for the parameters of interest are provided in Table 3.6 and presented in box-and-whisker plots in Figures C.3-15 to C.3-36 (Appendix C.3).

Median concentrations of total and dissolved arsenic, ammonia (as N), and total methylmercury were highest at Mid-Field monitoring locations and lowest at Far-Field and Reference locations. Concentrations at Near-Field, Far-Field, and Reference groups were highly variable, with overlapping IQRs. Potential statistical differences were observed between the Mid-Field and each of the other station groups, as a comparatively narrower and more distinct distribution of concentrations was observed at Mid-Field locations (Table 3.6, Figure C.3-16 to C,3-18, Figure C.3-26, Appendix C.3). Of the above parameters assessed with guideline values, total arsenic, ammonia (as N), and total methylmercury concentrations were below the applicable guidelines at each location across the four stations groups except for one CWQG-PAL exceedance of methylmercury at Near-Field station AQM71, which was attributed to high suspended sediment during sample collection.

Median concentrations of total phosphorus, dissolved potassium, and total and dissolved uranium were also highest at Mid-Field monitoring locations (Table 3.6, Figures C.3-29, C.3-30, C.3-33, C,3-34, Appendix C.3). However, potential statistical differences in concentrations of these parameters were only observed between Mid-Field and fewer other station groups. For total phosphorus and dissolved uranium, the IQRs between Mid-Field and each of Far-Field and Reference were distinct from one another, indicating a potential statistical difference (Figures C.3-29, C.3-33, Appendix C.3). Median concentrations of total phosphorus are below the MSOG-FAL (0.025 mg/L) for all groups except Mid-Field stations

(Figure C.3-29, Appendix C.3). As observed during EIS monitoring (Stantec 2017b, 2020b), exceedances of total phosphorus were observed across all site groupings in 2025, with the highest number of exceedances in 2025 observed at Near-Field stations (Section 3.2.1.2.1). Similar differences between the IQRs were observed for dissolved potassium and total uranium between Mid-Field and Reference groups and for dissolved uranium between Far-Field and Reference groups (Figure C.3-30, C,3-34, Appendix C.3). Total uranium concentrations were below the MSOG-FAL and CWQG-PAL value (0.015 mg/L) at each location across the four station groups (Figure C.3-34, Appendix C.3).

Median concentrations of total and dissolved copper, total and dissolved nickel, total cadmium, total and dissolved zinc, and sulfate were highest in the Far-Field group due to the influence of historical ETMA tailings and were lower in remaining station groups (Table 3.6, Figures C.3-20, C.3-24, C.3-25, C.3-27, C.3-28, C.3-32, C.3-35, C.3-36, Appendix C.3). Potential statistical differences in concentration for the above parameters were observed between the Far-Field and each of the other station groups, as a comparatively narrower and more distinct distribution of higher concentrations was observed at Far-Field locations. Concentrations of the above parameters at Near-Field, Mid-Field, and Reference groups were highly variable, with overlapping IQRs. Median concentrations of dissolved copper and dissolved nickel were below applicable guidelines for each group except the Far-Field stations. Concentrations of dissolved copper above the MSOG-FAL and/or FEQG values were predominantly observed at two Far-Field locations (AQM9, AQM28), with exceedances also observed at Near-Field and Reference locations as outlined in Section 3.2.1.2.1. For dissolved nickel, concentrations above the MSOG-FAL were limited to three Far-Field locations (AQM9, AQM28, AQM29C). Exceedances of the MSOG-FAL and/or FEQG for dissolved copper and dissolved nickel were also observed at the Far-Field locations listed above during EIS monitoring (Stantec 2017b, 2020b). Median concentrations of total cadmium, total copper, total nickel, and dissolved zinc were below the applicable guidelines for each receiving environment and reference group, but exceedances of applicable guidelines were identified in 2025 for each parameter. Total cadmium concentrations were above the CWQG-PAL at Near-Field (two at AQM31), Far-Field (one at AQM8, one at AQM29C), and Reference locations (one at AQM14) and are attributed to natural variability in 2025 since total cadmium exceedances were limited to samples collected from the Lynn River (AQM28) during EIS monitoring (Stantec 2017b, 2020b). As observed during EIS monitoring, 2025 concentrations of total copper above the CWQG-PAL were predominantly observed at three Far-Field locations (AQM9, AQM28, AQM29C). Exceedances were also observed at Near-Field (two at AQM71) and Reference (two at AQM4A) stations. As observed during EIS monitoring, exceedances of total nickel were observed at Far-Field station AQM28 (eight exceedances). Exceedances of dissolved zinc were observed at Reference station AQM91 (two exceedances) and are attributed to natural variability.

Median concentrations of total aluminum, total cobalt, chloride, and dissolved sodium were also highest in Far-Field monitoring locations (Table 3.6). However, potential statistical differences in concentrations between Far-Field and Reference groups were only observed for total aluminum and total cobalt (Figures C.3-15, C.3-23, Appendix C.3). Total aluminum concentrations also saw potential statistical differences between Mid-Field and Reference locations, with higher median concentrations at Mid-Field locations (Figures C.3-15, Appendix C.3). Median concentrations of total aluminum and total cobalt were below applicable guidelines for each group. Total aluminum concentrations above the MSOG-FAL and CWQG-PAL were observed at all groups except Mid-Field stations, with the highest number of exceedances observed at Near-Field (AQM31, AQM71, AQM72) and Far-Field (AQM14, AQM78, AQM91) locations. Few exceedances of total cobalt were observed at Near-Field (AQM31, AQM71, AQM72) and Far-Field (AQM28) locations. Potential statistical differences in chloride concentrations were only identified between Far Field and Mid-Field locations since the remaining groups exhibited variable concentrations with overlapping IQRs (Figure C.3-21). However, all chloride concentrations at Mid-Field locations were below the RDL (0.5 mg/L). Chloride concentrations were below the CWQG-PAL value (120 mg/L) at each location across the four station groups. Although the Kruskal-Wallis test indicated a potential statistical difference in concentrations of dissolved sodium between the receiving environment and reference groups, overlapping IQRs suggest considerable variability and concentration ranges among the four groups (Figure C.3-31, Appendix C.3). The median dissolved sodium concentration (1.44 mg/L) in the Mid-Field group was slightly higher than the maximum concentration observed during EIS monitoring (1.28 mg/L; Stantec 2017b, 2020b).

For dissolved cobalt and dissolved cadmium, the highest median concentrations were observed in Mid-Field monitoring locations. However, at the remaining monitoring groups, the majority (>50%) of the results were below the RDLs (0.0001 mg/L and 0.000005 mg/L), and median values were reported as one-half the RDL. Overlapping IQRs between Near-Field, Mid-Field, and Far-Field groups suggest considerable variability and concentration ranges among the four groups. Potential statistical differences between receiving environment and reference groups could not be evaluated for dissolved cobalt and dissolved cadmium due to the high number of non-detect concentrations. Dissolved cadmium concentrations were below the MSOG-FAL value at each location across the four station groups.

*Table 3.6 2025 Kruskal-Wallis Test Results for Parameters with Differences in Concentration Among Receiving Environment and Reference Station Groups*

| Parameter Name | Statistic (H) | P-Value (Adjusted)[1] | Near-Field | | Mid-Field | | Far-Field | | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2025 Median (mg/L) | EIS Monitoring Range[2] (mg/L) | 2025 Median (mg/L) | EIS Monitoring Range[2] (mg/L) | 2025 Median (mg/L) | EIS Monitoring Range[2] (mg/L) | 2025 Median (mg/L) | EIS Monitoring Range[2] (mg/L) |
| Aluminum (T) | 22.3 | 1.96E-04 | 0.0654 | 0.0331 - 0.247 | 0.073 | 0.0399 - 0.175 | 0.0861 | 0.0279 - 0.462 | 0.0355 | 0.0069 - 0.21 |
| Ammonia (as N) | 13.6 | 7.42E-03 | 0.0337 | <0.01 - 0.303 | 0.126 | <0.01 - 0.303 | 0.0283 | <0.01 - 0.214 | 0.0215 | <0.01- 0.364 |
| Arsenic (D) | 17.4 | 1.68E-03 | 0.00022 | 0.00012 - 0.00083 | 0.00057 | 0.00031 - 0.00071 | 0.0002 | <0.0001 - 0.00063 | 0.00021 | <0.0001 - 0.00064 |
| Arsenic (T) | 17.0 | 1.82E-03 | 0.00027 | <0.0002 - 0.00078 | 0.00064 | 0.00034 - 0.00068 | 0.00024 | <0.0002 - 0.00065 | 0.00028 | <0.0001 - 0.00083 |
| Cadmium (D) | 33.5 | 1.30E-06 | - | <0.000005 - 0.000017 | - | <0.000005 - 0.000015 | 0.0000072 | <0.000005 - 0.000085 | - | <0.000005 - 0.0000068 |
| Cadmium (T) | 28.9 | 1.06E-05 | - | <0.000005 - 0.000075 | 0.0000052 | <0.000005 - 0.000014 | 0.0000101 | <0.000005 - 0.000076 | - | <0.000005 - 0.000015 |
| Chloride | 17.3 | 1.70E-03 | - | <0.5 - 2.14 | - | - | 0.8 | <0.5 - 4.44 | - | - |
| Cobalt (D) | 12.9 | 8.92E-03 | - | <0.0001 - 0.0006 | 0.00011 | <0.0001 - 0.00024 | - | <0.0001 - 0.0102 | - | <0.0001 - 0.00024 |
| Cobalt (T) | 26.6 | 2.65E-05 | - | <0.0001 - 0.00067 | 0.00014 | <0.0001 - 0.00025 | 0.00016 | <0.0001 - 0.00986 | - | <0.0001 - 0.00025 |
| Copper (D) | 45.5 | 4.15E-09 | 0.00042 | <0.0002 - 0.00133 | 0.00061 | 0.00021 - 0.00078 | 0.00176 | 0.00043 - 0.0367 | 0.00051 | <0.0002 - 0.00156 |
| Copper (T) | 45.7 | 4.15E-09 | - | 0.00021 - 0.002 | 0.00067 | <0.0005 - 0.00094 | 0.00186 | <0.0005 - 0.0569 | - | <0.0002 - 0.00264 |
| Methyl Mercury (T) | 14.9 | 4.27E-03 | 0.000155 | --- | 0.000278 | --- | 0.000045 | --- | 0.000048 | --- |
| Nickel (D) | 61.8 | 4.96E-12 | - | <0.0004 - 0.00132 | - | <0.0004 - 0.00099 | 0.0168 | <0.0004 - 0.338 | - | - |
| Nickel (T) | 61.8 | 4.96E-12 | 0.00053 | <0.0004 - 0.00124 | - | <0.0004 - 0.00074 | 0.0191 | <0.0004 - 0.319 | - | <0.0004 0.0013 |
| Phosphorus, Total | 13.3 | 8.23E-03 | 0.0202 | <0.01 - 0.076 | 0.028 | 0.02 - 0.046 | 0.0162 | <0.01 - 0.047 | 0.0143 | 0.0029 - 0.091 |
| Potassium (D) | 13.2 | 8.33E-03 | 0.682 | 0.114 - 0.951 | 0.882 | 0.499 - 0.935 | 0.802 | 0.378 - 1.53 | 0.661 | 0.333 - 1.07 |
| Sodium (D) | 15.9 | 2.87E-03 | 1.22 | 0.334 - 2.11 | **1.44** | 0.517 - 1.28 | 1.61 | 0.557 - 4.9 | 1.38 | 0.463 - 1.85 |
| Sulfate | 46.8 | 3.86E-09 | 1 | <0.3 - 2.3 | 0.39 | <0.3 - 0.73 | 4.26 | 0.31 - 30.5 | 0.3 | <0.3 - 2.68 |
| Uranium (D) | 28.5 | 1.15E-05 | 0.000014 | <0.00001 - 0.00005 | 0.000022 | 0.000013 - 0.00005 | 0.000019 | 0.000016 - 0.00005 | 0.000012 | 0.000013 - 0.00005 |
| Uranium (T) | 20.2 | 4.93E-04 | 0.000018 | <0.00001 - 0.00005 | 0.000026 | 0.000014 - 0.00005 | 0.000025 | 0.00002 0.00005 | 0.000017 | 0.000015 - 0.00005 |
| Zinc (D) | 46.4 | 3.86E-09 | 0.0016 | <0.001 - 0.0087 | 0.0018 | <0.001 - 0.0049 | 0.0046 | <0.002 - 0.0454 | 0.0012 | <0.001 - 0.0064 |
| Zinc (T) | 49.1 | 1.72E-09 | - | <0.001 - 0.012 | - | <0.001 - 0.0093 | 0.0052 | <0.002 - 0.0414 | - | <0.001 - 0.0069 |

Notes:

[1] Log transformed

[2] Concentration range (min – max) from monitoring results reported in Stantec 2017b and 2020b

D Dissolved

T Total

EIS Environmental Impact Statement

- Concentration below Reportable Detection Limit (RDL)

--- Parameter not analyzed during EIS Monitoring (Stantec 2017b, 2020b)

Grey Median concentration above applicable guidelines (Table C.1-1, Appendix C.1)

**Bold** 2025 Median concentration above maximum concentration observed during EIS monitoring (Stantec 2017b, 2020b)

### 3.2.1.3 QA/QC Results

During the 2025 monitoring program, there was one FBA and one FAA collected each month between January and May, and then between October and December. No field samples, including blanks, were collected between June and September because of mandatory evacuation due to forest fires. A single trip blank was collected each month between January and April, and then between November and December. No trip blanks were submitted in May due to short notice of evacuation during the associated sampling trip. No trip blank was collected in October because of sampling bottles that broke during transport. For the trip blanks, metals parameters and general chemistry parameters were below the CWQG-PAL guideline values (Table C.1-4, Appendix C.1).

Among FBA samples, exceedances greater than five times the laboratory RDL are as follows (Table C.1-1, Appendix C.1):

- January: total tin (0.00145 mg/L), dissolved tin (0.00160 mg/L), and dissolved molybdenum (0.000895 mg/L)
- February: total tin (0.00213 mg/L), dissolved tin (0.00118 mg/L)
- April: total barium (0.00148 mg/L), total silicon (0.64 mg/L), total sodium (0.259 mg/L), total tin (0.00067 mg/L)
- October: dissolved organic carbon (3.41 mg/L)
- November: dissolved organic carbon (2.52 mg/L)
- December: dissolved organic carbon (2.52 mg/L)

Note that in some instances, exceedances were observed for the analysis of dissolved fractions, but no exceedances were observed for the corresponding total fraction analysis (e.g., dissolved organic carbon vs. total organic carbon). A greater number of exceedances were expected in FBA relative to FAA because of an additional potential source of contamination in FBA samples (i.e., the filtration and preservation process)

Among FBB samples, exceedances greater than five times the laboratory RDL were as follows:

- January: total tin (0.00166 mg/L), dissolved tin (0.00176 mg/L)
- February: total tin (0.00213 mg/L), dissolved tin (0.00231 mg/L)
- November: turbidity (0.55 NTU)

Among trip blank samples, exceedances greater than five times the laboratory RDL were as follows:

- January: total tin (0.01890 mg/L)
- November: total aluminum (0.0469 mg/L), dissolved aluminum (0.0524 mg/L)
- December: total aluminum (0.0422 mg/L)

A total of 36 field duplicates were collected during the 2025 monitoring program (Table C.1-2). Field duplicates of surface samples were collected from AQF2, AQF6, AQF9, AQF11, AQF12, AQF15, AQF33, AQF34, AQF34A, AQF40A, AQF41, AQF50, AQM5, AQM8, AQM10, AQM16, AQM21, AQM23, AQM31, AQM72, AQM75, AQM76-T75. Duplicate samples were screened for values which exceeded the data quality objective of 20% RPD but also were greater than fives times the laboratory RDL. A total of 22 samples contained at least one pair of values which were both greater than the laboratory RDL and had an RPD greater than 20%. Results of exceedances were as follows:

- AQF2 in November: total sodium (26%).
- AQF6 in April: dissolved organic carbon (31%), sulfate (78%), total Kjeldahl nitrogen (37%), total organic carbon (52%), dissolved arsenic (22%), dissolved barium (31%), dissolved magnesium (21%), dissolved manganese (162%), dissolved molybdenum (22%), dissolved potassium (36%), dissolved sodium (24%), dissolved strontium (22%), dissolved sulfur (81%), dissolved uranium (85%), total arsenic (34%), total barium (52%), total manganese (157%), total silicon (21%), total sulfur (47%), total uranium (60%).
- AQF9 in February: total aluminum (33%), total titanium (29%).
- AQF12 in April: bicarbonate alkalinity (25%), total alkalinity (25%), electrical conductivity (33%), total phosphorus (32%), total dissolved solids (37%), total Kjeldahl nitrogen (28%), total organic carbon (32%), turbidity (36%), dissolved methylmercury (34%), total aluminum (84%), total calcium (22%), total iron (21%), total magnesium (24%), total manganese (28%), total methylmercury (27%), total molybdenum (54%), total silicon (32%), total strontium (40%).
- AQF12 in November: turbidity (29%), dissolved iron (28%), dissolved manganese (99%).
- AQF12 in December: ammonia (28%), total suspended solids (49%), dissolved manganese (25%).
- AQF15 in April: turbidity (34%).
- AQF33 in December: total phosphorus (46%).
- AQF34 in March: total phosphorus (44%).
- AQF34A in November: nitrate (24%).
- AQF40A in January: dissolved magnesium (22%).
- AQF40A in October: turbidity (26%), total aluminum (26%).
- AQM5 in March: total methylmercury (27%).
- AQM5 in April: total dissolved solids (33%), total suspended solids (94%), turbidity (40%).
- AQM5 in October: total phosphorus (31%), total dissolved solids (21%), total Kjeldahl nitrogen (35%).
- AQM10 in February: acidity (28%), nitrate (45%), dissolved zinc (34%), total methylmercury (23%).
- AQM16 in March: total phosphorus (25%), turbidity (80%), dissolved methylmercury (22%), total methylmercury (22%).
- AQM16 in May: total dissolved solids (21%).

- AQM21 in December: hardness (20%), total dissolved solids (22%), total calcium (23%), total strontium (22%).
- AQM23 in March: total dissolved solids (30%), total manganese (34%).
- AQM31 in December: dissolved organic carbon (41%).
- AQM75 in January: total phosphorus (70%), total aluminum (67%), total iron (27%), total manganese (23%).

The AQF6 and AQF12 duplicates in April contained the greatest number of RPD exceedances and at least one parameter for each sample pair had RPD greater than 50%, indicative of a definite problem. Additionally, four duplicates (AQF12 in November, AQM5 in April, AQM16 in March, AQM75 in January) had at least one parameter with an RPD greater than 50%. All other samples contained fewer than five parameters with RPD exceedances (i.e., RPDs greater than 20%). Broader acceptable limits are generally applied for QC of field samples because of the inherent variability associated with field samples; typically, twice the limit is applied to field samples relative to laboratory samples (CCME 2016). When considering an RPD exceedance criteria of 40%, the number of exceedances listed above is reduced from 81 instances (across 22 samples) to 23 instances (across 11 samples).

Common RPD and RDL exceedances were observed for total dissolved solids, turbidity, total phosphorus, dissolved manganese, and total manganese. High variability in 'total' analyses and turbidity is not necessarily an indicator of poor sampling protocols; these analyses are inherently more variable because they include the particulate fraction of the water column which is heterogeneous in nature. In the case of dissolved and total manganese, this metal is redox sensitive and slight changes in oxygen during sampling, storage, transport, and handling can cause manganese to precipitate or dissolve in solution, resulting in variation among duplicate samples.

# 4 Compliance Discussion

## 4.1 Conformity with Assessment Predictions

### 4.1.1 Surface Water Quantity

There were no effluent discharges from either the Gordon or MacLellan sites in 2025. Therefore, no comparison of surface water quantity results to assessment predictions was conducted for the 2025 reporting period. Without active effluent discharges, no project related effects to the receiving environment were anticipated or observed in 2025.

### 4.1.2 Surface Water Quality

#### 4.1.2.1 Condition Conformance Table

There were no effluent discharges from either the Gordon or MacLellan sites in 2025. Therefore, no comparison to MDMER Schedule 4 Table 1 parameter criteria was conducted for the 2025 monitoring data. Without active effluent discharges, no project related effects to the receiving environment were anticipated or observed in 2025.

#### 4.1.2.2 Summary of Incidence and Non-Compliance

- **Incidents**: There were no notable incidents or reportable spills observed during 2025.
- **Non-Compliance**: There were no instances of non-compliance recorded in 2025.

#### 4.1.2.3 Corrective Actions Taken

As no non-compliance events were identified in Section 4.1.2.2, there are no corrective actions to report from the 2025 SWMMP follow-up monitoring program with respect to surface water quality.

## 4.2 Adaptive Management

As detailed in the SWMMP (Stantec 2025), a Trigger Action Response Plan (TARP) will be implemented to evaluate Project-related effects on surface water in the aquatic receiving environment once any planned Project activities have the potential to impact surface water quantity and quality are proposed to occur, such as construction activities affecting lake level elevation and stream discharge or effluent discharges at the Gordon and/or MacLellan sites.

### 4.2.1 Surface Water Quantity

The SWMMP suggests ongoing trigger threshold monitoring at 16 hydrometric stations (see Table 8-1 and Table 8-1 in SWMMP; Stantec 2025). This sub-set of stations includes stations in lakes and streams immediately downstream of the Gordon and MacLellan sites plus the reference sites identified for each site. This is because these are the monitoring locations closest to the mine infrastructure at the Gordon and MacLellan sites and, therefore, the lakes and streams most likely to be affected by the Project.

Trigger thresholds are related to both water levels and discharge measurements.

#### 4.2.1.1 Gordon Site

No construction activities or effluent discharges occurred in 2025 at the Gordon Site. No events occurred in 2025 that resulted in an Adaptive Management response.

#### 4.2.1.2 MacLellan Site

No effluent discharges occurred in 2025 at the MacLellan Site. No events occurred in 2025 that resulted in an Adaptive Management response.

### 4.2.2 Surface Water Quality

As detailed in the SWMMP (January 2025), a TARP will be implemented to evaluate Project-related POPCs identified as having the potential to impact the aquatic receiving environment once effluent discharges are planned at the Gordon and/or MacLellan sites. Trigger threshold monitoring stations to alert changing surface water quality downstream of effluent discharges have been identified at both mine sites based on the location of predicted POPCs in the EIS (Stantec 2020c). Adaptive management actions will be initiated based on the trigger levels defined in the SWMMP (Version 0, January 2025) when surface water quality monitoring indicates a trigger level has been exceeded or if POPC concentrations are exhibiting increasing concentrations trends.

The determination of trends through statistical methods, as part of adaptive management trigger threshold screening will be applied when more data has been collected.

#### 4.2.2.1 Gordon Site

Trigger response monitoring locations and parameters at the Gordon site are provided in Table 8-4 in the SWMMP (Version 0, January 2025).

No construction activities or effluent discharges occurred in 2025 at the Gordon Site. No events occurred in 2025 that triggered an Adaptive Management response.

#### 4.2.2.2 MacLellan Site

Trigger response monitoring locations and parameters at the MacLellan site are provided in Table 8-4 in the SWMMP (Version 0, January 2025).

No effluent discharges occurred in 2025 at the MacLellan Site. No events occurred in 2025 that triggered an Adaptive Management response.

# 5 Summary and Conclusions

## 5.1 Surface Water Quantity

Overall, monitoring coverage during the 2025 reporting year was limited due to mandatory evacuation due to forest fires, resulting in limited data availability and larger data gaps than typically expected. Discharge measurements collected in October provide a consistent late-season snapshot of flow conditions across the monitoring network; however, discharge measurements were insufficient to develop stage–discharge rating curves.

The Hydrology Baseline and Validation TDRs (Stantec 2017a and Stantec 2020a) established hydrologic conditions for the Project area and surrounding region, providing a framework for interpreting current monitoring results. Conditions from these reports indicated that peak flows typically occur during spring freshet in response to snowmelt, however were sometimes associated to rainfall events later in the melt season or during summer and fall. Specific station analysis between the baseline and validation programs (Stantec 2017a and Stantec 2020a) and 2025 observed data was not feasible as not enough flow measurements were recorded in 2025 to validate existing rating curves from Baseline and Validation reports.

Stage records from 2025 show considerable variability in both the magnitude and timing of peak water levels across the monitoring network, with peak surface water elevations generally occurring during spring freshet (May) or during fall episodic precipitation events. The 2025 regional hydrologic conditions observed at WSC hydrometric stations show a reduced regional freshet response in 2025. This suggests that peak flows at Lynn Lake may also have been lower than typical due to reduced spring runoff volumes.

Beaver activity was observed at multiple locations at the Gordon Site during the 2025 October field program. Beaver dams were noted along Farley Creek, at the outlet of Gordon Lake, and downstream of Swede Lake. No beaver dams were observed at the MacLellan monitoring sites during the October 2025 site visit.

During the 2025 reporting year, no construction activities took place at the Gordon site, and construction at the MacLellan site was limited to the winter period between February 17, 2025, and May 27, 2025. As a result, observed changes in water levels and discharge during the open-water monitoring period are considered to be environmentally driven and data collected did not trigger an Adaptive Management response.

Despite limitations in the collection and analysis of the 2025 data, the 2025 dataset provides an important reference to distinguish natural hydrologic variability from potential Project-related effects and to inform mitigation and response measures during the 2026 construction period.

## 5.2 Surface Water Quality

No incidents and non-compliance events occurred during the 2025 SWMMP follow-up monitoring program with respect to surface water quality. The adaptive management framework was not active in 2025 as no effluent discharges occurred at either mine site.

Monthly surface water quality monitoring occurred at the Gordon and MacLellan sites between January and May 2025, and between October to December 2025 because of mandatory evacuation due to forest fires. As such, no monitoring occurred from June through September and associated grab samples or *in situ* profiles were collected.

2025 in situ and laboratory surface water quality monitoring results were generally consistent with previously reported water quality conditions (Stantec 2017b, 2020b, 2024), and there were no water quality exceedances identified as a result of Project activities. Exceedances for parameters not identified during EIS (Stantec 2017b, 2020b) or Hughes River NOA/NOC (Stantec 2024) monitoring at the Gordon site included total cobalt (three at AQF47A), dissolved copper (one at AQF40A and one at AQF44) and cyanide (one at AQF44). As no construction activities or effluent discharges occurred at the Gordon site in 2025, these observations are attributed to either natural variability at monitoring locations or the incorporation of the FEQGs into the guidelines screening process. At the MacLellan site, exceedances for three parameters were observed in 2025 but were not identified during EIS monitoring: total lead (one at AQM31), dissolved manganese (one at AQM5, two at AQM31, and one at AQM91), and total methylmercury (one at AQM71). As no effluent discharges occurred at the MacLellan site in 2025, these observations are attributed to either natural variability at monitoring locations or in the case of total methylmercury, sampling from water with disturbed bottom sediments.

Seven exceedances of the MSOG-FAL acute exposure threshold for dissolved copper were observed at three stations on the Hughes River at the Gordon Site (AQF40A, AQF41, AQF44), and three stations at the MacLellan site (AQM8, AQM28, AQM72). Exceedances in the Hughes River were below the maximum concentrations observed during 2022-2023 monitoring (Stantec 2024) and at AQM28 during EIS monitoring. At Near-Field locations (AQM8, AQM28), 2025 exceedances of dissolved copper were higher than the maximum concentration observed during EIS monitoring but were attributed to natural variability since no site discharges or construction activities occurred at the MacLellan site at the time of sampling (January and February 2025). One exceedance of the CWQG-PAL acute exposure threshold for dissolved zinc was observed at the MacLellan site at AQM91 and is attributed to natural variability within Carr Lake based on its location in a separate watershed that does not have upstream Project activities.

At three monitoring locations in shallow lakes or watercourses (AQF47A, AQM31, AQM71), exceedances of applicable guidelines of total aluminum, total iron, total phosphorus, and the lone exceedance of total methylmercury were associated with discrete winter sampling events where sediment resuspension occurred during ice augering into shallow water. Sampling procedures will be revised to reduce potential disturbance of bottom sediment when augering.

*In situ* profiles collected during 2025 were generally consistent with the profiles collected as part of EIS monitoring at the Gordon Site (i.e., sites AQF33, AQF4, AQF6) and the MacLellan Site (i.e., sites AQM9). The implementation of continuous profiling instrumentation in 2025 resulted in higher resolution profiles and subsequent identification of depth-dependent trends (such as DO decreases) near the bottom of the water column near the sediment interface. Monthly *in situ* profiles could not be collected between June and September because of mandatory evacuation due to forest fires. As a result, the 2025 field program contained a gap in the dataset, limiting the ability to draw conclusions regarding the seasonal variability in water quality parameters and overall limnological dynamics at study sites, particularly in the open-water season.

At the Gordon site, potential statistical differences in the concentration of 14 metal and general chemistry parameters between receiving environment and reference groups were identified based on Kruskal-Wallis non-parametric statistical tests. Of the 14 parameters identified, median concentrations fell within the range observed during EIS monitoring range except for chloride and fluoride for the Mid-Field group, which had median concentrations slightly above the observed maximum. Median metal and ion concentrations were typically highest in the Near-Field or Mid-Field monitoring locations. Generally, most parameters had potential statistical differences in concentration between Mid-Field, Far-Field, and Reference groups. Near-Field concentrations were highly variable and generally spanned the range observed at the Mid-Field, Far-Field, and Reference locations. Of the parameters assessed with applicable MSOG-FAL, CWQG-PAL, and/or FEQG values, observed exceedances were limited to dissolved manganese in Near-Field and Reference groups; however, median concentrations were observed below the CWQG-PAL for each group. Exceedances of the CWQG-PAL for dissolved manganese were also observed at Near-Field locations during EIS monitoring (Stantec 2017b, 2020b).

At the MacLellan site, potential statistical differences in the concentration of 22 metal and general chemistry parameters between receiving environment and reference groups were identified based on Kruskal-Wallis non-parametric statistical tests. Of the 22 parameters identified, median concentrations fell within the range observed during EIS monitoring range except for dissolved sodium for the Mid-Field group, which had a median concentration slightly above the observed maximum. Median total and dissolved arsenic, ammonia (as N), and total methylmercury concentrations were typically highest at Mid-Field monitoring locations and lowest at Far-Field and Reference locations. Generally, these parameters had potential statistical differences in concentration identified between Mid-Field locations and each of the other monitoring groups with concentrations below applicable guidelines for all groups. Median concentrations of total phosphorus, dissolved potassium, and total and dissolved uranium were also highest at Mid-Field monitoring locations but showed less distinction in concentrations between Mid-Field and other groups. Although the median concentration of total phosphorus was highest (and above the MSOG-FAL) at the Mid-Field group, most exceedances of the MSOG-FAL were observed at Near-Field locations. Exceedances of total phosphorus were observed at stations across the four site groupings during EIS monitoring (Stantec 2017b, 2020b). Total uranium concentrations were below applicable guidelines for all groups. Parameters at the MacLellan site with elevated concentrations due to the influence of historical ETMA tailings (total aluminum, total cadmium, total cobalt, total and dissolved copper, total and dissolved nickel, total and dissolved zinc, chloride, sulfate, and dissolved sodium) saw highest median concentrations in the Far-Field monitoring locations, had potential statistical differences identified between Far-Field locations and at least one of the other monitoring groups. Of the parameters assessed with applicable MSOG-FAL, CWQG-PAL, and/or FEQG values, median concentrations were below applicable guidelines for each parameter except dissolved copper and dissolved nickel in the Far-Field station group, which also saw the highest count of dissolved copper and dissolved nickel exceedances. Exceedances of the MSOG-FAL and/or FEQG for dissolved copper and dissolved nickel were also observed at the Far-Field locations during EIS monitoring (Stantec 2017b, 2020b). Remaining parameters (total cadmium, total copper, total nickel, and dissolved zinc) had observed exceedances across Near-Field, Far-Field, and Reference groups in 2025. Potential statistical differences between receiving environment and reference groups could not be evaluated for dissolved cobalt and dissolved cadmium due to the high number of non-detect concentrations, but concentrations of both parameters were below applicable guidelines for all groups.

Results from statistical tests in 2025 should be considered as preliminary assessment of statistical differences in the receiving environment. Future analyses seeking to identify differences among receiving environments in mine effects should account for pre-existing differences and accommodate the nested, non-normal nature of the data under consideration.

This document entitled "*Lynn Lake Gold Project: 2025 Surface Water Management and Monitoring Plan – Annual Report*" was prepared by Stantec Consulting Ltd. ("Stantec").

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Karen Mathers
Senior Principal

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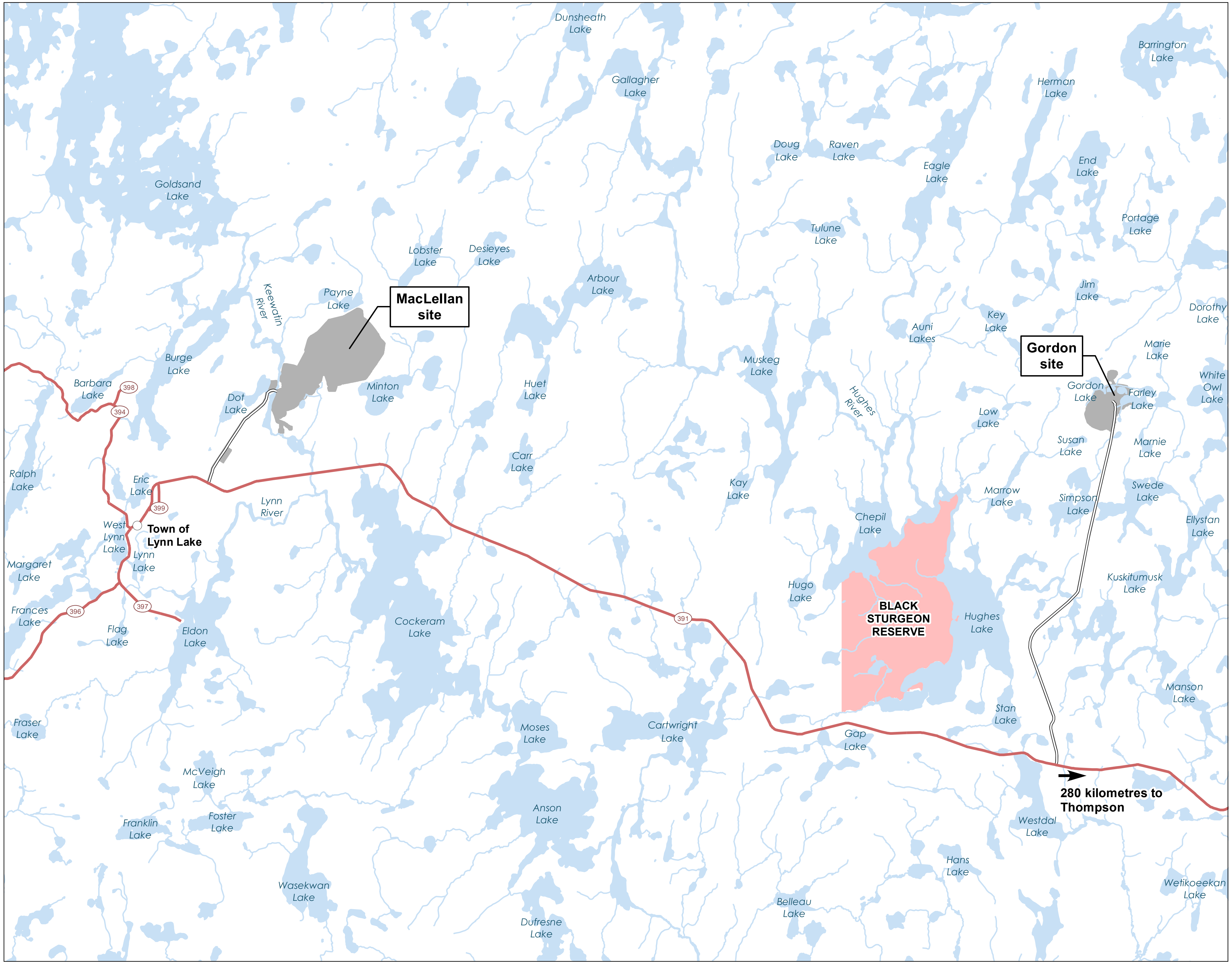
# Appendices

# Appendix A Maps



**Project Data**

▨ Project Development Area (PDA)

**Landbase**

═ Existing Access Road

— Highway

— Watercourse

🟦 Waterbody

🟥 First Nation Reserve

N

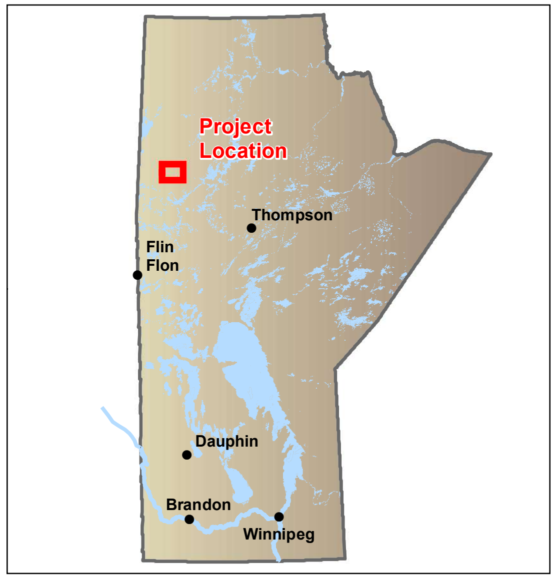
0 2.5 5 Kilometres

(At original document size of 11x17)
1:150,000

***Notes***

**1.** Coordinate System: NAD 1983 UTM Zone 14N

**2.** Base Data Sources: Government of Manitoba and Government of Canada



*Project Location*
Lynn Lake,
Manitoba

Prepared by ACampigotto on 2026-01-30
Technical Review by KMathers on 2026-01-30

*Client/Project* 123515740

ALAMOS GOLD INC.
Lynn Lake Gold Project

*Map No.*

**1**

*Title*

## General Project Area

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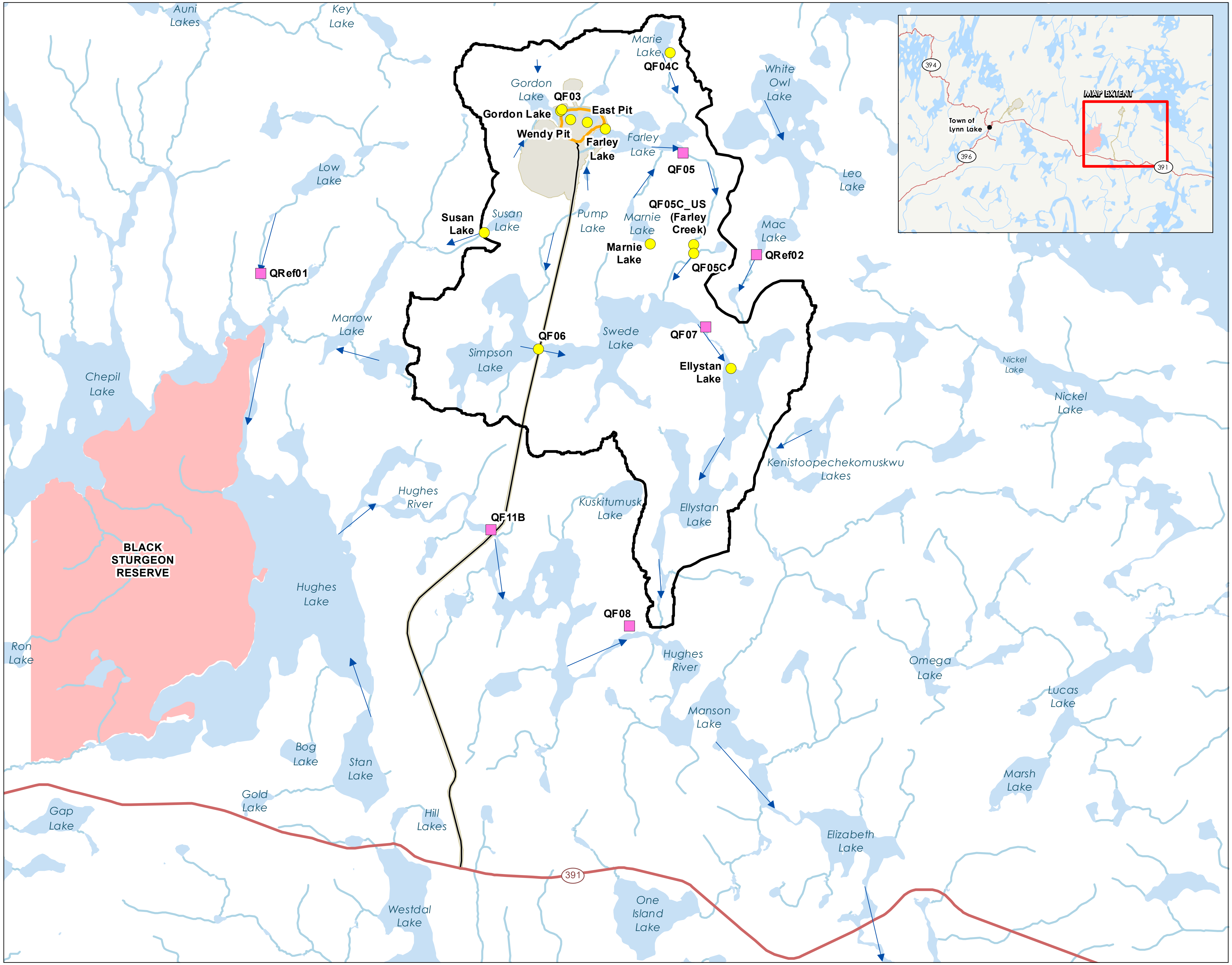


**Stantec**

**Project Infrastructure**

- 🟧 Open Pit
- ▭ Project Development Area

**Study Area**

- ▭ Surface Water Local Assessment Area (LAA)

**Sample Locations**

- ● Stage Stations
- ■ Stage and Discharge Stations

**Landbase**

- — Existing Access Road
- — Highway
- → Surface Water Flow Direction
- — Watercourse
- ▭ Waterbody
- 🟥 First Nation Reserve

N

0 1 2 Kilometres

(At original document size of 11x17)
1:75,000

***Notes***

**1.** Coordinate System: NAD 1983 UTM Zone 14N

**2.** Base Data Sources: Government of Manitoba and Government of Canada.

*Project Location*
Lynn Lake,
Manitoba

Prepared by ACampigotto on 2026-02-18
Technical Review by CBaddock on 2026-02-18

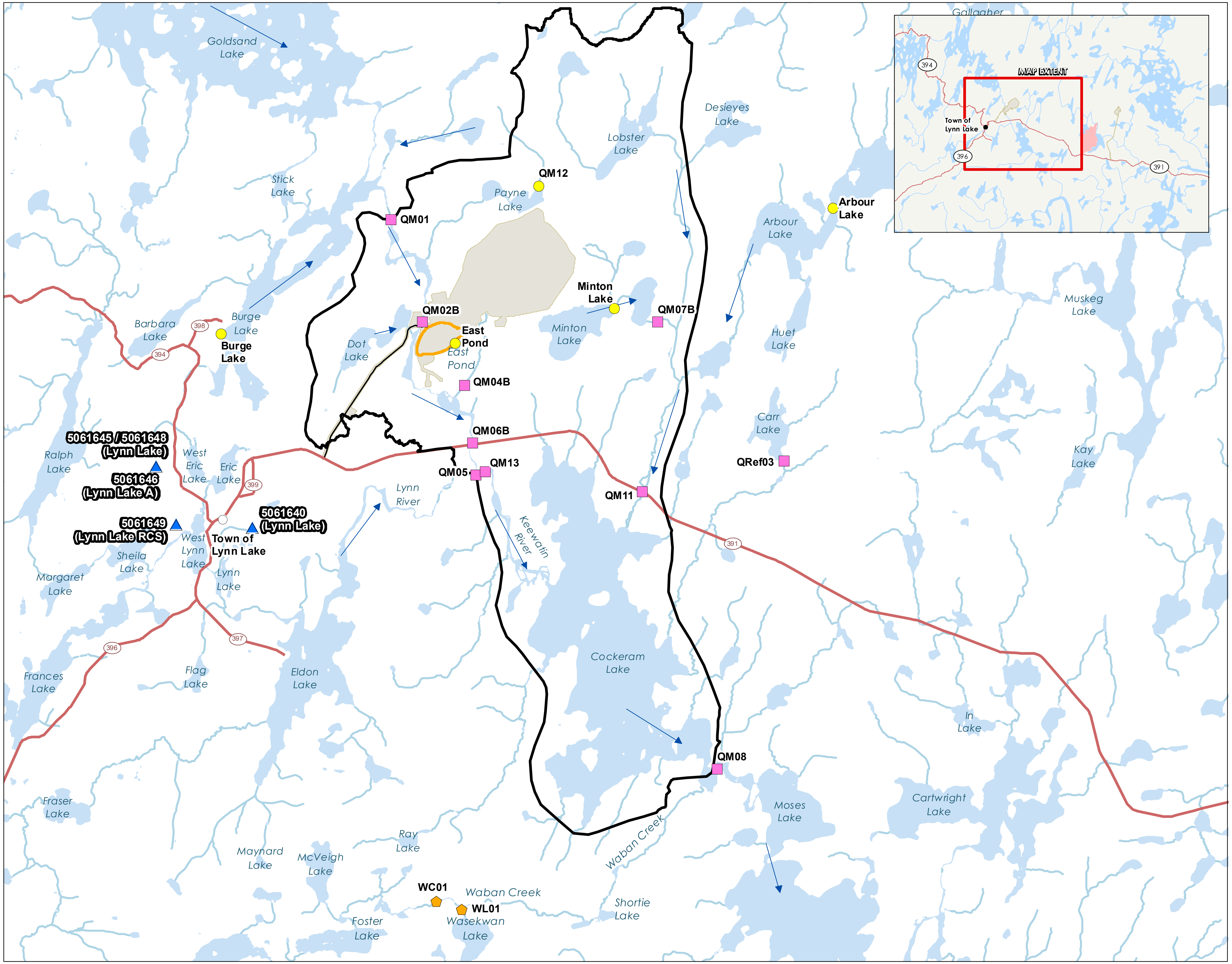
*Client/Project*
123515740
ALAMOS GOLD INC.
Lynn Lake Gold Project

*Map No.*
**A-1**

*Title*

## 2025 Surface Water Quantity Monitoring Locations - Gordon Site

G:_GIS_Project_Folder\1114 73008_LLGP_EA\IRs\SWQ_2024_Program\figures\Map1_Actual_2025_SurfaceWaterQuantity_StageStations_Gordon_20260218.mxd Revised: 2026-02-18 By: JHiebert



Stantec

**Project Infrastructure**

| | |
|---|---|
| 🟧 | Open Pit |
| ▨ | Project Development Area |

**Study Area**

| | |
|---|---|
| ☐ | Surface Water Local Assessment Area (LAA) |

**Sample Locations**

| | |
|---|---|
| ● | Stage Stations |
| ■ | Stage and Discharge Stations |
| ⬟ | FAA Requirement - New 2025 Scope |

**Climate Stations**

| | |
|---|---|
| ▲ | Climate Stations (Government of Canada) |

**Landbase**

| | |
|---|---|
| — | Existing Access Road |
| — | Highway |
| → | Surface Water Flow Direction |
| — | Watercourse |
| ▨ | Waterbody |

N

0 2 4 Kilometres

(At original document size of 11x17)
1:105,000

***Notes***

**1.** Coordinate System: NAD 1983 UTM Zone 14N
**2.** Base Data Sources: Government of Manitoba and Government of Canada.

*Project Location*
Lynn Lake,
Manitoba

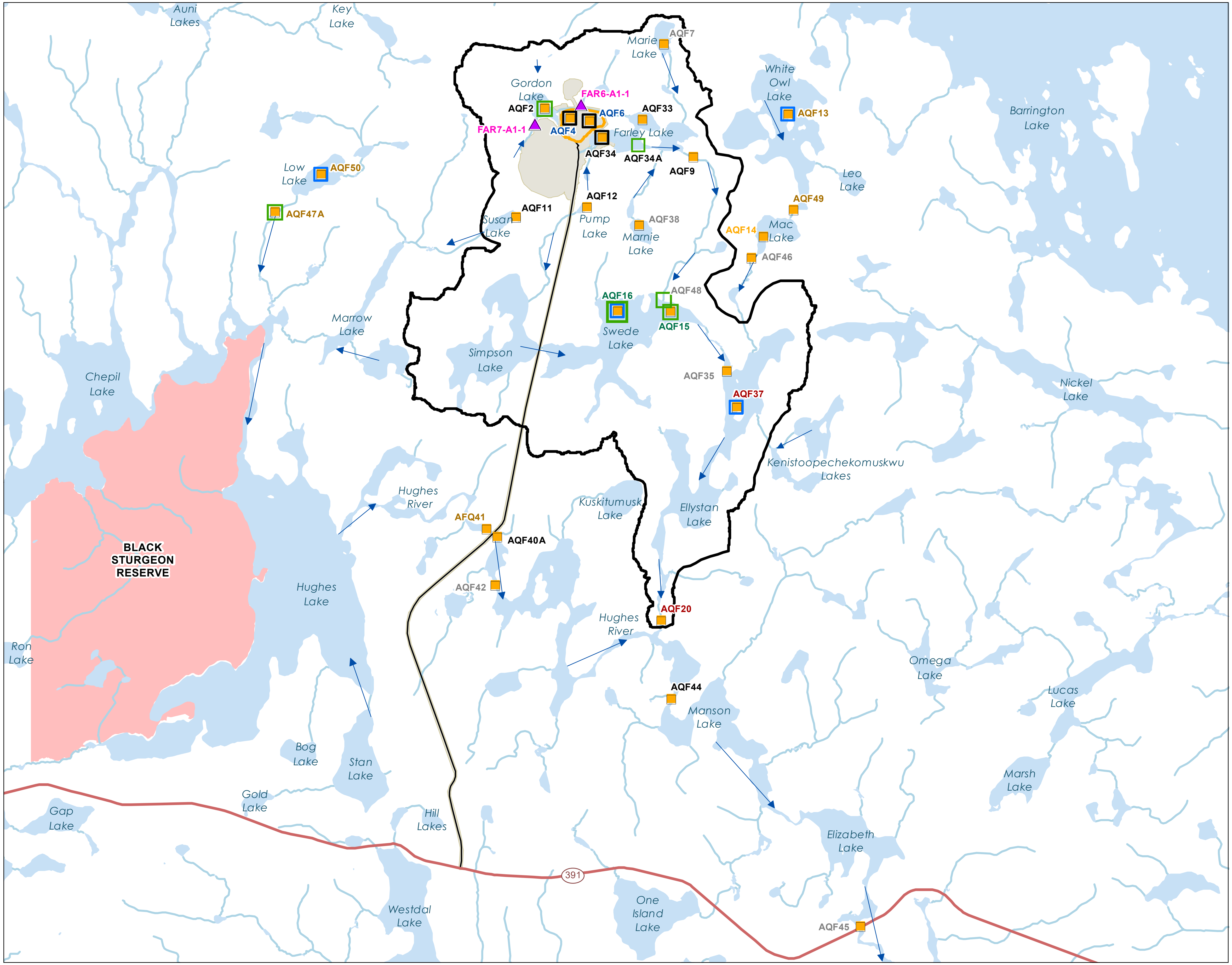
Prepared by ACampigotto on 2026-02-18
Technical Review by CBaddock on 2026-02-18

*Client/Project*
123515740
ALAMOS GOLD INC.
Lynn Lake Gold Project

*Map No.*
**A-2**

*Title*
**2025 Surface Water Quantity Monitoring Locations - MacLellan Site**

G:_GIS_Project_Folder\111473008_LLGP_EA\IRs\SWQ_2024_Program\figures\Map2_Actual_2025_SurfaceWaterQuantity_StageStations_MacLellan_20260218.mxd Revised: 2026-02-18 By: JHiebert



Stantec

**Project Infrastructure**

- 🟧 Open Pit
- ▨ Project Development Area

**Study Area**

- ☐ Surface Water Local Assessment Area (LAA)

**Sample Locations**

- ▲ *In Situ* Only (monthly)
- ■ *In Situ* and Grab Sampling (monthly)
- ☐ Vertical Profile Location (monthly)
- ☐ Vertical Profile Location (monthly in open water season)
- ☐ Methylmercury Sampling
- **AQF** Water Management Infrastructure
- **AQF** Near-Field
- **AQF** Mid-Field
- **AQF** Far-Field
- **AQF** Reference
- **AQF** Fish-Bearing Wetlands
- **AQF** Additional Sampling
- **AQF** EIS Reference Location

**Landbase**

- — Existing Access Road
- — Highway
- → Surface Water Flow Direction
- — Watercourse
- ▨ Waterbody
- 🟥 First Nation Reserve

(At original document size of 11x17)
1:75,000

***Notes***
1. Coordinate System: NAD 1983 UTM Zone 14N
2. Base Data Sources: Government of Manitoba and Government of Canada.

*Project Location*
Lynn Lake,
Manitoba

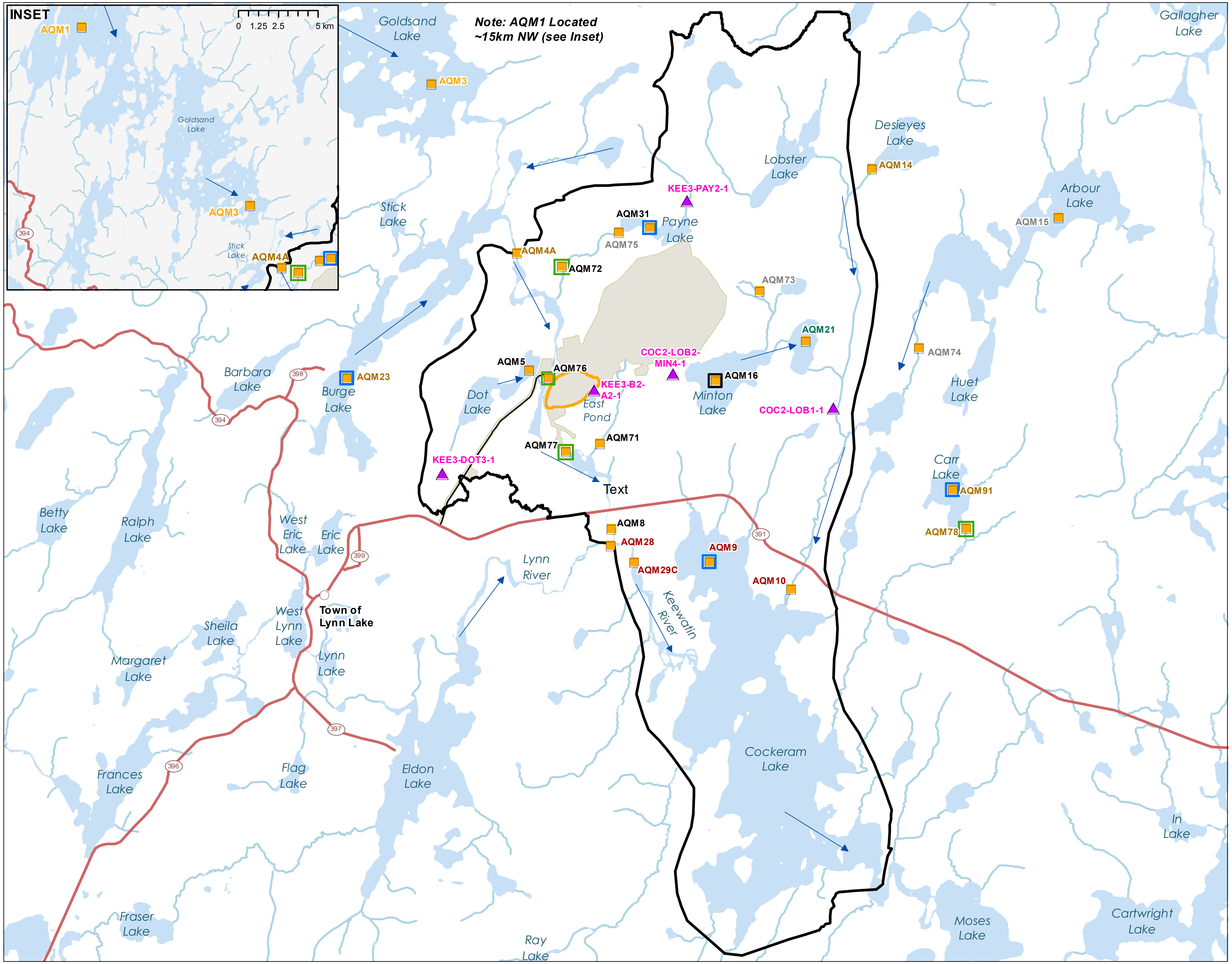
Prepared by ACampigotto on 2026-03-09
Technical Review by TStainton on 2026-03-09

*Client/Project*
123515740
ALAMOS GOLD INC.
Lynn Lake Gold Project

*Map No.*
**A-3**

*Title*
**2025 Surface Water Quality Monitoring Locations - Gordon Site**

G:_GIS_Project_Folder\111473008_LLGP_EA\IRs\SWQ_2024_Program\figures\Map3_Actual_2025_SurfaceWaterQuality_Samples_Gordon_20260309.mxd    Revised: 2026-03-09 By: JHiebert



Stantec

**Project Infrastructure**

| | |
|---|---|
| ▭ | Open Pit |
| ▭ | Project Development Area |

**Study Area**

| | |
|---|---|
| ▭ | Surface Water Local Assessment Area (LAA) |

**Sample Locations**

| | |
|---|---|
| ▲ | *In Situ* Only (monthly) |
| ■ | *In Situ* and Grab Sampling (monthly) |
| ☐ | Vertical Profile Location (monthly) |
| ☐ | Vertical Profile Location (monthly in open water season) |
| ☐ | Methylmercury Sampling |
| AQF | Near-Field |
| AQF | Mid-Field |
| AQF | Far-Field |
| AQF | Reference |
| AQF | Fish-Bearing Wetlands |
| AQF | Additional Sampling |
| AQF | EIS Reference Location |

**Landbase**

| | |
|---|---|
| — | Existing Access Road |
| — | Highway |
| → | Surface Water Flow Direction |
| — | Watercourse |
| ▭ | Waterbody |

N

0 1.5 3 Kilometres

(At original document size of 11x17)
1:92,000

***Notes***

1. Coordinate System: NAD 1983 UTM Zone 14N
2. Base Data Sources: Government of Manitoba and Government of Canada.

*Project Location*
Lynn Lake,
Manitoba

Prepared by ACampigotto on 2026-03-09
Technical Review by TStainton on 2026-03-09

*Client/Project*
ALAMOS GOLD INC.
Lynn Lake Gold Project

123515740

*Map No.*
**A-4**

*Title*

**Proposed 2025 Surface Water Quality Monitoring Locations - MacLellan Site**

G:_GIS_Project_Folder\111473008_LLGP_EA\IRs\SWQ_2024_Program\figures\Map4_Actual_2025_SurfaceWaterQuality_Samples_MacLellan_20260309.mxd Revised: 2026-03-09 By: JHiebert

# Appendix B Surface Water Quantity

# B.1 Hydrometric Summaries – Gordon Site

| Station Information | |
|---|---|
| Site | Gordon Mine Site |
| Station | East Pit |
| Station Type | Stage |
| 2025 Operational Period | 1 January - 24 October 2025 |
| Logger Model | TD-Diver |
| Easting | 412547 |
| Northing | 6307839 |

East Pit
Photo taken on 24 October 2025

## 2025 Station History Summary

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
|---|---|---|---|---|---|---|---|
| 24-Oct-25 | Y | Y | NA | 313.755 | NA | NA | RTK survey completed |
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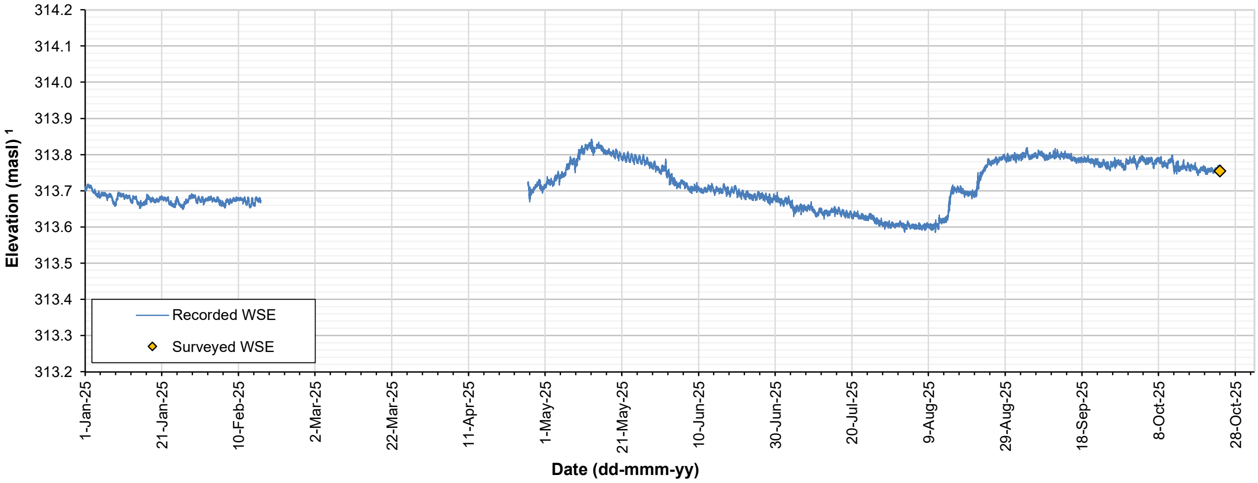
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

## 2025 Stage Record



NOTE:
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

## 2025 Hydrologic Summary

Data were compensated using barometric data from Gordon Lake Baro.
During the winter period when ice was present, the PTT collected intermittent periods of erroneous data. Erroneous data was removed from the dataset as it was deemed invalid. From 1 February - April 2025 data was deemed invalid and removed from the dataset.

| Station Information | |
|---|---|
| Site | Gordon Mine Site |
| Station | Wendy Pit |
| Station Type | Stage |
| 2025 Operational Period | 1 January 2025 - 23 October 2025 |
| Logger Model | TD-Diver |
| Easting | 412181 |
| Northing | 6307888 |

Wendy Pit
Photo taken on 23 October 2025

## 2025 Station History Summary

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
|---|---|---|---|---|---|---|---|
| 23-Oct-25 | Y | Y | NA | 314.568 | NA | NA | RTK survey completed |
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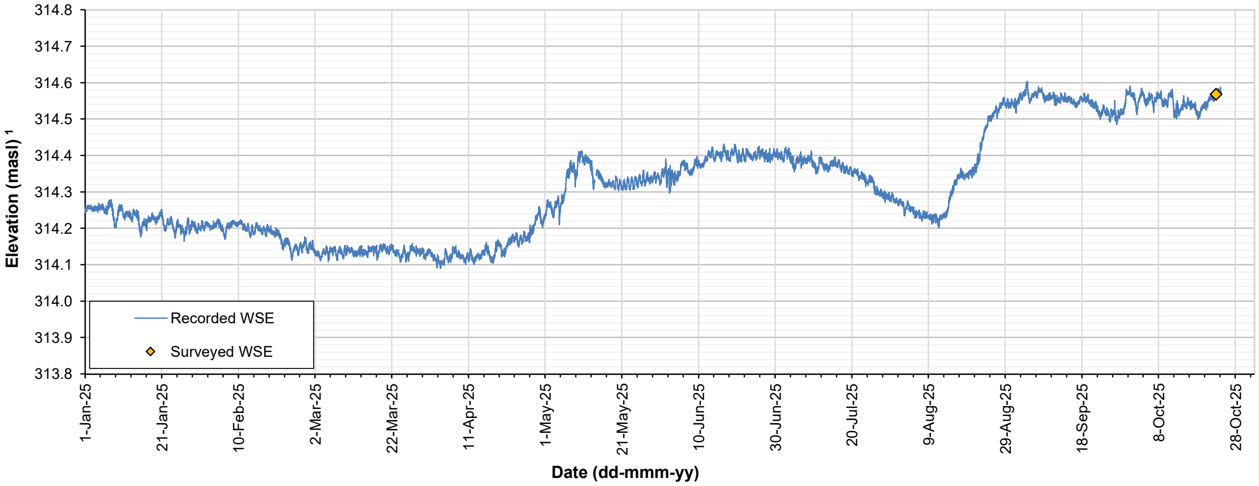
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

## 2025 Stage Record



NOTE:
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

## 2025 Hydrologic Summary

Minor water surface elevation variation likely influenced by wind/ wave effects.

| Station Information | |
|---|---|
| Site | Gordon Mine Site |
| Station | Gordon Lake |
| Station Type | Stage |
| 2025 Operational Period | 1 January 2025 - 28 October 2025 |
| Logger Model | TD-Diver |
| Easting | 411698 |
| Northing | 6308083 |

Gordon Lake
Photo taken on 28 October 2025

2025 Station History Summary

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
|---|---|---|---|---|---|---|---|
| 28-Oct-25 | Y | Y | NA | 314.530 | NA | NA | RTK survey completed |
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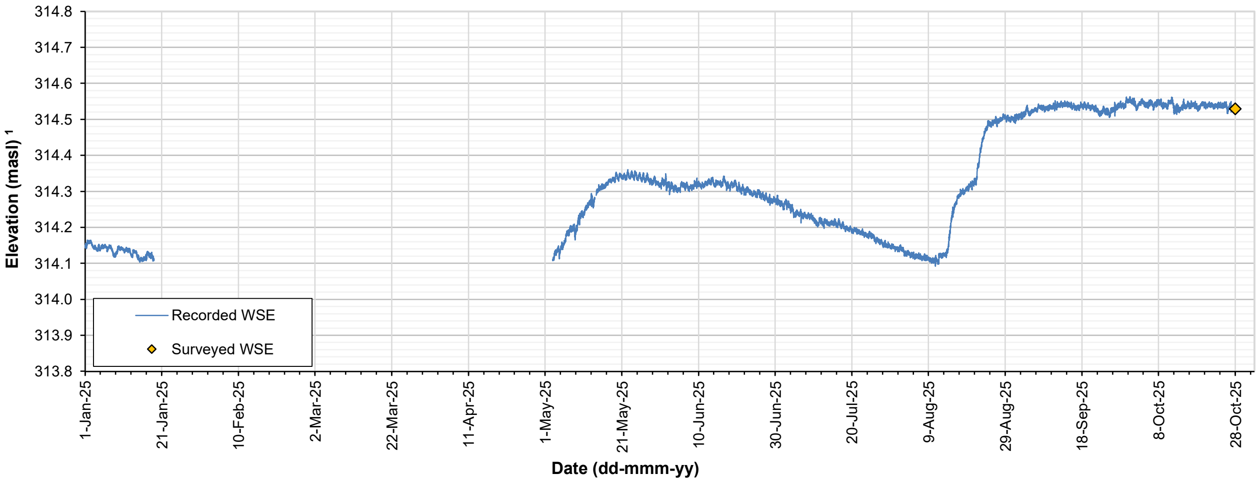
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Stage Record



NOTE:
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Hydrologic Summary

Data were compensated using barometric data from Gordon Lake Baro.
Beaver Dam noted downstream of Gordon lake Station and upstream of QF03 (Gordon Division Channel) on October site visit.
During the winter period when ice was present, the PTT collected intermittent periods of erroneous data. Erroneous data was removed from the dataset as it was deemed invalid. From 19 January - 3 May 2025 data was deemed invalid and removed from the dataset.

| Station Information | |
|---|---|
| Site | Gordon Mine Site |
| Station | QF03 |
| Station Type | Stage |
| 2025 Operational Period | 1 January 2025 - 28 October 2025 |
| Logger Model | TD-Diver |
| Easting | 412023 |
| Northing | 6308055 |

QF03 (Gordon Diversion Channel)
Photo taken on 28 October 2025

2025 Station History Summary

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3$/s) | Notes |
|---|---|---|---|---|---|---|---|
| 28-Oct-25 | Y | Y | NA | 315.468 | NA | NA | RTK survey completed |
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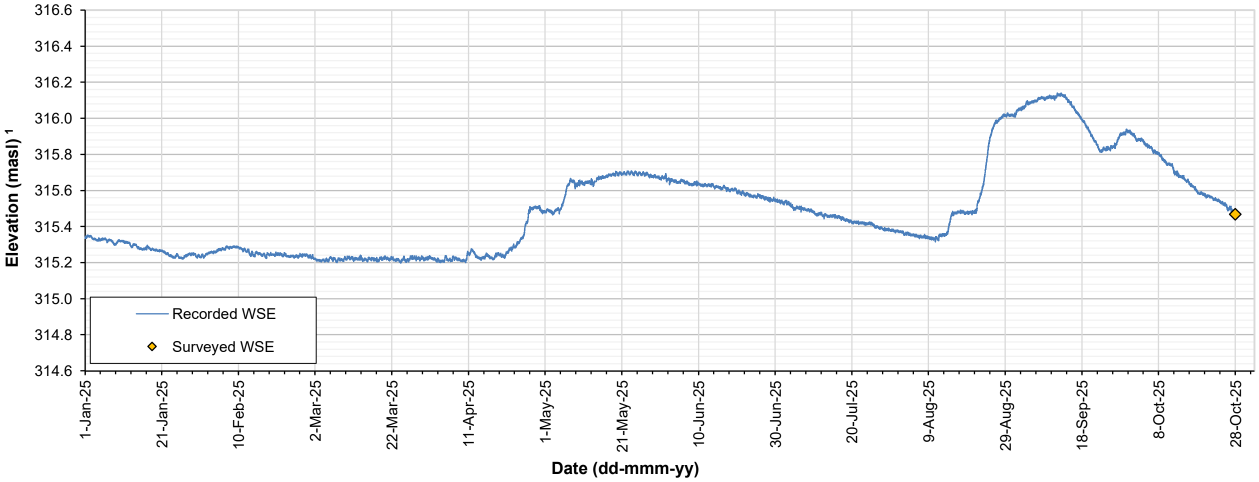
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Stage Record



NOTE:
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Hydrologic Summary

Data were compensated using barometric data from Gordon Lake Baro.
Beaver Dam noted upstream of QF03 and downstream of Gordon lake Station on October site visit.

| Station Information | |
|---|---|
| Site | Gordon Mine Site |
| Station | Farley Lake |
| Station Type | Stage |
| 2025 Operational Period | 1 January 2025 - 27 June 2025 |
| Logger Model | TD-Diver |
| Easting | 412853 |
| Northing | 6307692 |

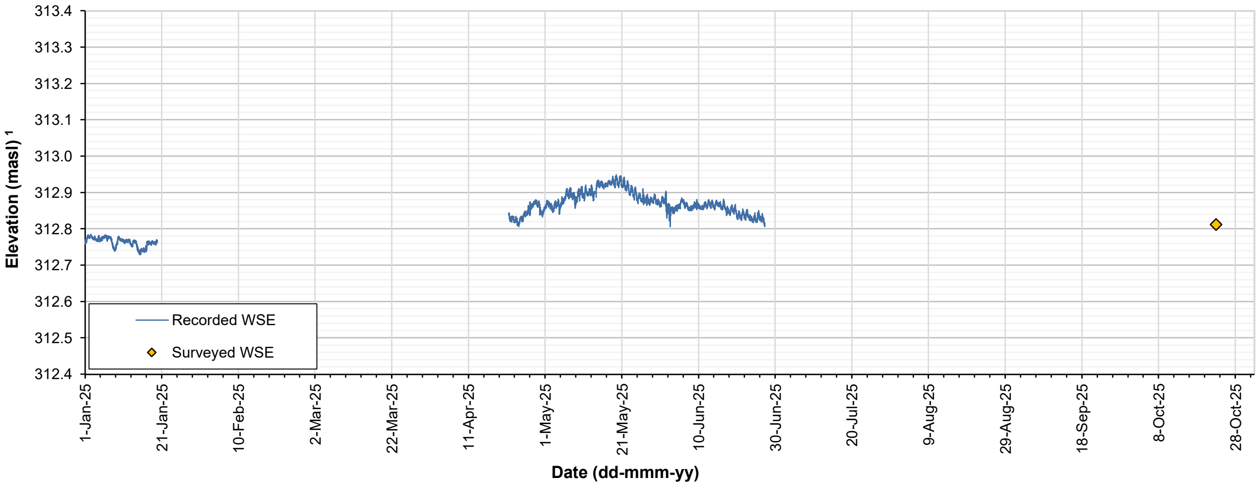
Farley Lake
Photo taken on 23 October 2025

2025 Station History Summary

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
|---|---|---|---|---|---|---|---|
| 23-Oct-25 | Y | Y | NA | 312.812 | NA | NA | RTK survey completed |

[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Stage Record



NOTE:
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Hydrologic Summary

Data were compensated using barometric data from Gordon Lake Baro.
During the winter period when ice was present, the PTT collected intermittent periods of erroneous data. Erroneous data was removed from the dataset as it was deemed invalid. From 19 January - 21 April 2025 data was deemed invalid and removed from the dataset.
Batteries changed and logger restarted 23 October 2025 (lost battery 27 June 2025).

| Station Information | |
|---|---|
| Site | Gordon Mine Site |
| Station | QF05 |
| Station Type | Discharge and Stage |
| 2025 Operational Period | 01 May 2025 - 20 October 2025 |
| Logger Model | HOBO MX2001 |
| Easting | 414317 |
| Northing | 6307228 |

QF05 (Farley Creek -Farley Lake outlet)
Photo taken on 20 October 2025

2025 Station History Summary

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
|---|---|---|---|---|---|---|---|
| 20-Oct-25 | Y | Y | NA | 312.807 | Y | 0.09 | RTK survey completed |
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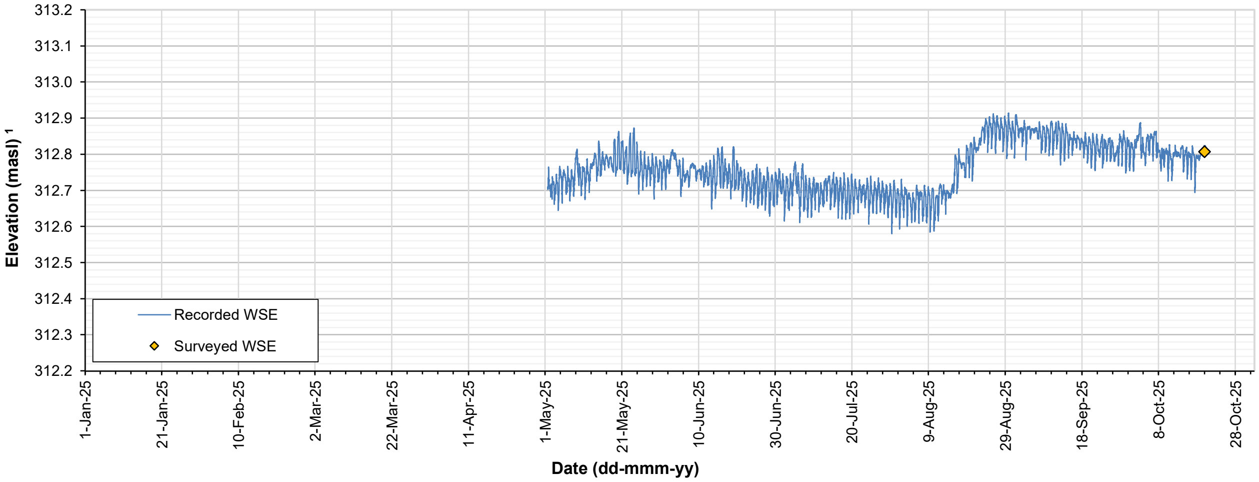
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Stage Record



NOTE:

[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Hydrologic Summary

During the winter period when ice was present, the PTT collected intermittent periods of erroneous data. Erroneous data was removed from the dataset as it was deemed invalid. From 1 January - 1 May 2025 data was deemed invalid and removed from the dataset.
Suspected erroneous data spiking from winter damage to logger. Confirm in 2026 site visit.
Beaver dam noted 5 m downstream of hydrometric station on October visit

| Station Information | |
|---|---|
| Site | Gordon Mine Site |
| Station | QF05C |
| Station Type | Discharge and Stage |
| Station Established | June 2023 |
| Logger Model | HOBO MX2001 |
| Easting | 414521 |
| Northing | 6305322 |

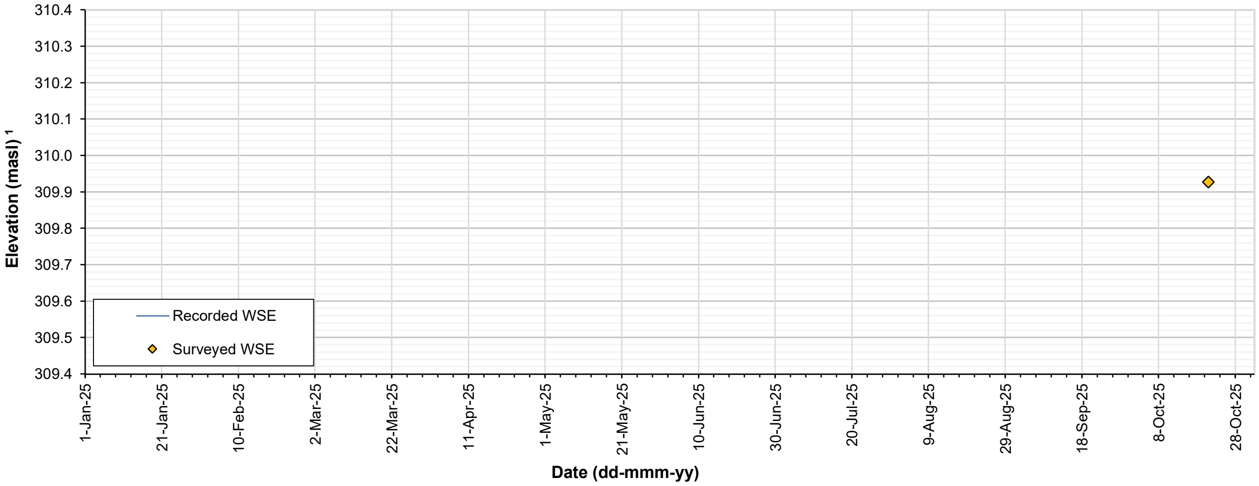
QF05C - Farley Creek (Reach 1)
Photo taken on 25 October 2025

2025 Station History Summary

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
|---|---|---|---|---|---|---|---|
| 21-Oct-25 | Y | Y | NA | 309.927 | Y | 0.01 | RTK survey completed |

[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Stage Record



NOTE:
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Hydrologic Summary

Site is heavily vegetated / wetland / boggy; little to no flow variation observed (higher uncertainty in October flow measurement).
Beaver dam noted ~5 m downstream of hydrometric station (approximate 50 m downstream of flow site) on October visit.
Data file lost (logger did not read from 2024 logger download). Logger reset October 28.

| Station Information | |
|---|---|
| Site | Gordon Mine Site |
| Station | QF05C_US (HEC-RAS) |
| Station Type | Discharge and Stage |
| 2025 Operational Period | 21 October 2025 - 28 October 2025 |
| Logger Model | HOBO MX2001 |
| Easting | 414529 |
| Northing | 6305495 |

Farley Creek (HEC-Ras modelling reach)
Photo taken on 21 October 2025

2025 Station History Summary

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
|---|---|---|---|---|---|---|---|
| 21-Oct-25 | Y | Y | NA | 309.928 | Y | 0.29 | RTK survey completed<br>New station installed |
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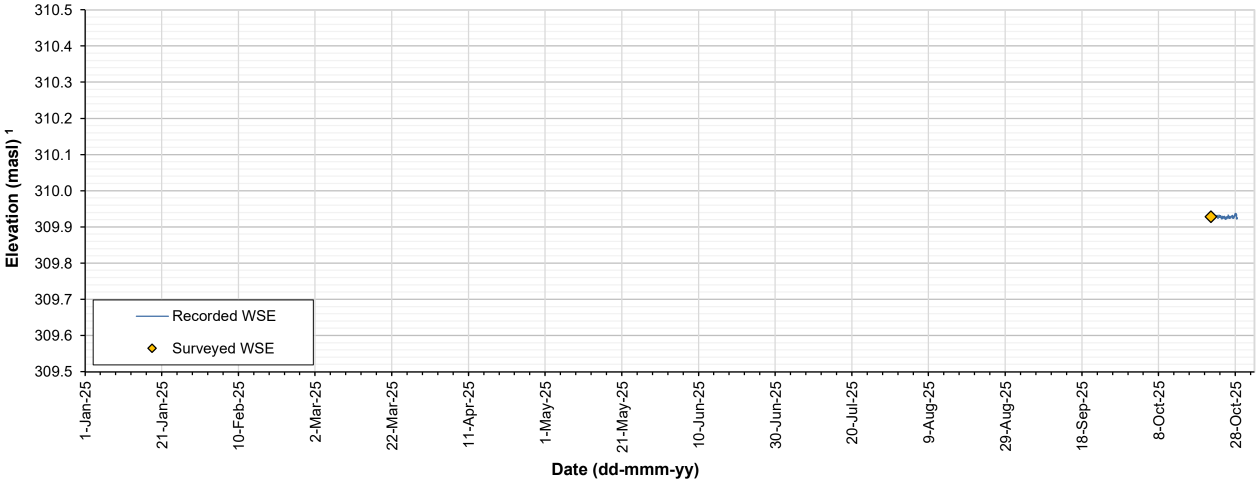
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Stage Record



NOTE:
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Hydrologic Summary

Station installed 21 October 2025; downloaded 28 October to confirm logger functionality.
Site is heavily vegetated / wetland / boggy; little to no flow variation observed in October (higher uncertainty in flow measurement).
Beaver dam noted ~30 m downstream (closer to Hydrometric Station QF-05C) on October visit.

| Station Information | |
|---|---|
| Site | Gordon Mine Site |
| Station | Ellystan Lake |
| Station Type | Stage |
| 2025 Operational Period | 23 March 2025 - 27 September 2025 |
| Logger Model | HOBO MX2001 |
| Easting | 415650 |
| Northing | 6303050 |

Ellystan Lake
Photo taken on 21 October 2025

## 2025 Station History Summary

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
|---|---|---|---|---|---|---|---|
| 21-Oct-25 | Y | Y | NA | 296.364 | NA | NA | RTK survey completed |
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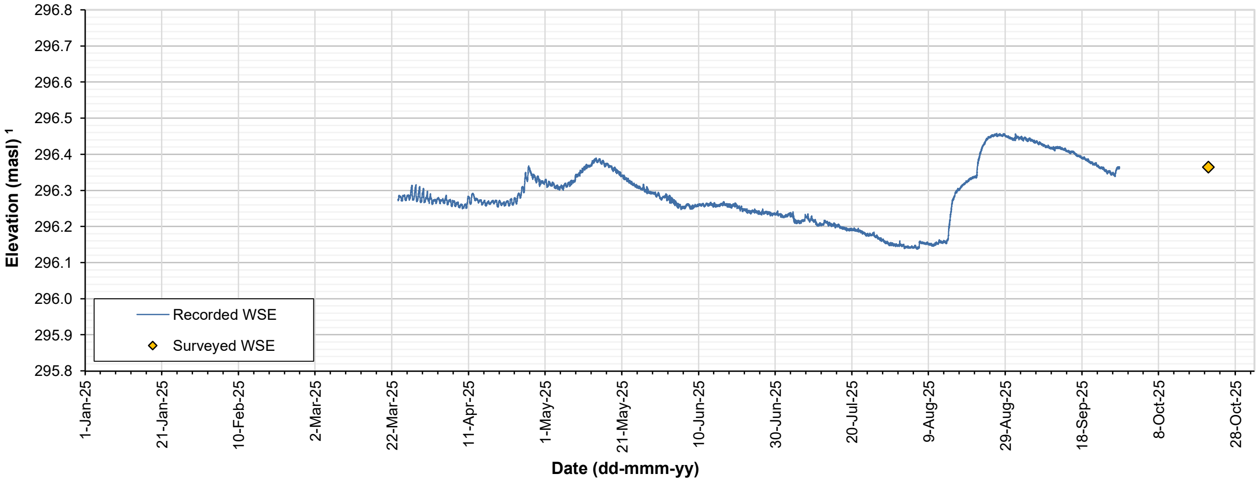
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

## 2025 Stage Record



NOTE:
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

## 2025 Hydrologic Summary

Winter logger malfunction. Logger restarted 23 March.
Batteries changed and logger restarted 21 October 2025 (lost battery 27 September 2025).

| Station Information | |
|---|---|
| Site | Gordon Mine Site |
| Station | QF08 |
| Station Type | Discharge and Stage |
| 2025 Operational Period | 1 January 2025 - 23 October 2025 |
| Logger Model | HOBO MX2001 |
| Easting | 413910 |
| Northing | 6298251 |

QF08 (Ellystan Lake outlet)
Photo taken on 23 October 2025

| 2025 Station History Summary | | | | | | | |
|---|---|---|---|---|---|---|---|
| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
| 25-Mar-25 | Y | N | NA | NA | Y | 0.19 | |
| 23-Oct-25 | Y | Y | NA | 282.796 | Y | 0.20 | RTK survey completed |
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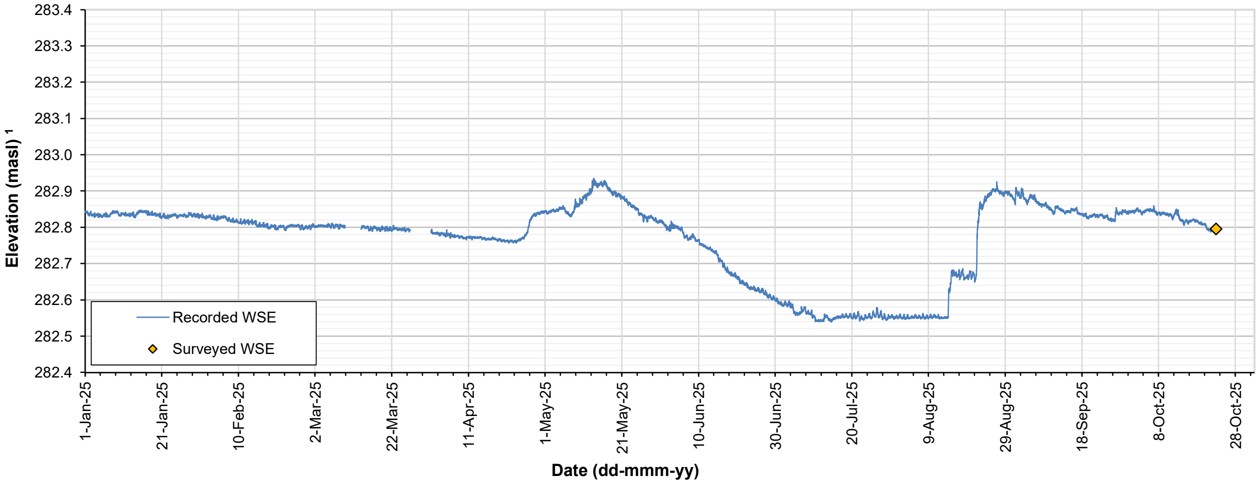
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Stage Record



NOTE:
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Hydrologic Summary

During the winter period when ice was present, the PTT collected intermittent periods of erroneous data. Erroneous data was removed from the dataset as it was deemed invalid. From 14 March - 19 March and 23 March - 1 April 2025 data was deemed invalid and removed from the dataset.
Debris reporting in watercourse from 2024 fires.

| Station Information | |
|---|---|
| Site | Gordon Mine Site |
| Station | Marnie Lake |
| Station Type | Stage |
| 2025 Operational Period | 23 March 2025 - 28 October 2025 |
| Logger Model | HOBO MX2001 |
| Easting | 413703 |
| Northing | 6305502 |

Marnie Lake
Photo taken on 28 October 2025

### 2025 Station History Summary

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
|---|---|---|---|---|---|---|---|
| 28-Oct-25 | Y | Y | NA | 320.013 | NA | NA | RTK survey completed |
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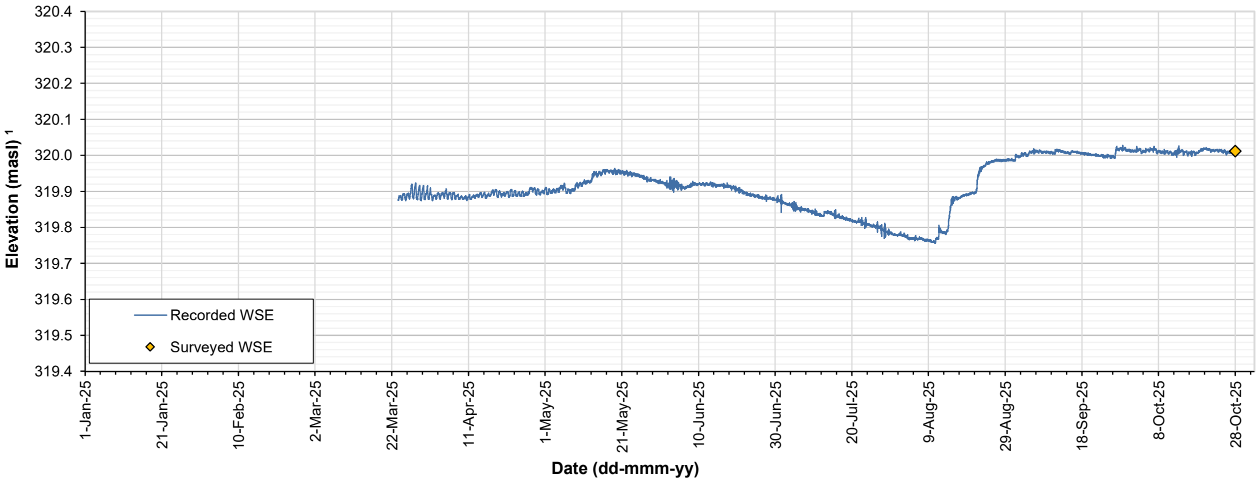
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

### 2025 Stage Record



NOTE:

[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

### 2025 Hydrologic Summary

Winter logger malfunction. Logger restarted 23 March.

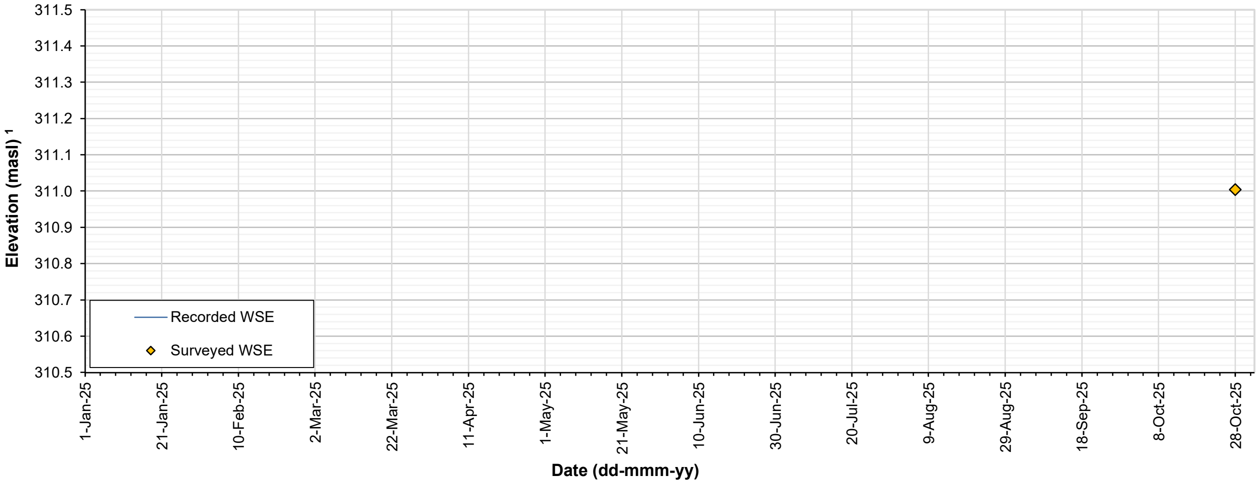
| Station Information | |
|---|---|
| Site | Gordon Mine Site |
| Station | Susan Lake |
| Station Type | Stage |
| 2025 Operational Period | Station did not record |
| Logger Model | HOBO MX2001 |
| Easting | 410552 |
| Northing | 6305714 |

Susan Lake
Photo taken on 28 October 2025

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
|---|---|---|---|---|---|---|---|
| 28-Oct-25 | Y | Y | NA | 311.005 | NA | NA | RTK survey completed |

[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

## 2025 Stage Record



NOTE:
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

## 2025 Hydrologic Summary

Logger malfunction: logger did not record from October 2024 download.
Sediment buildup at bottom of transducer was cleared out on October visit.

| Station Information | |
|---|---|
| Site | Gordon Mine Site |
| Station | QF04C |
| Station Type | Stage |
| 2025 Operational Period | 23 March 2025 - 28 October 2025 |
| Logger Model | HOBO MX2001 |
| Easting | 414084 |
| Northing | 6309142 |

QF04C (Marie Lake outlet)
Photo taken on 28 October 2025

## 2025 Station History Summary

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
|---|---|---|---|---|---|---|---|
| 28-Oct-25 | Y | Y | NA | 331.844 | NA | NA | RTK survey completed |
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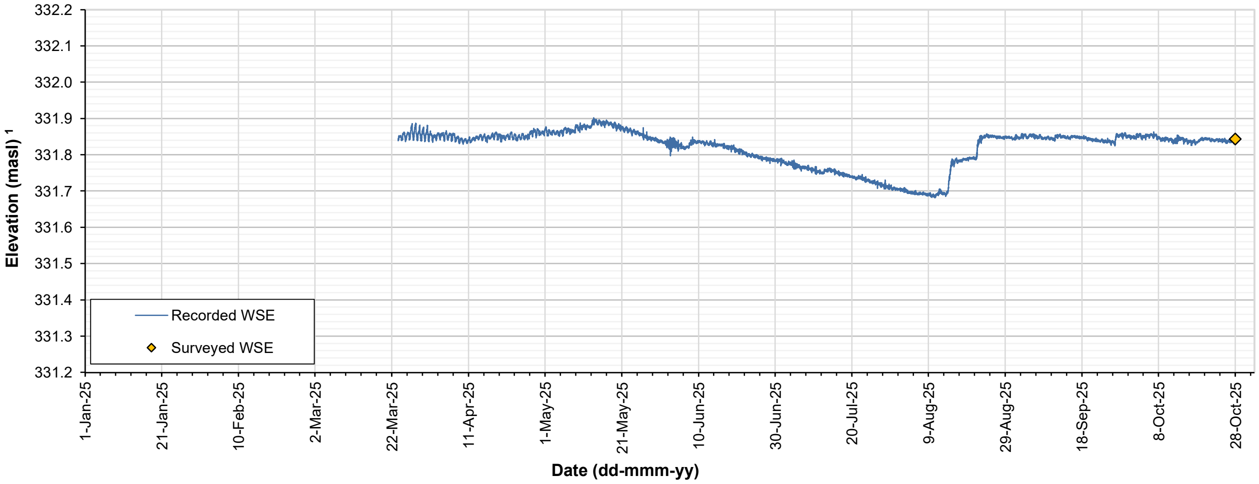
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

## 2025 Stage Record



NOTE:

[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

## 2025 Hydrologic Summary

Winter logger malfunction. Logger restarted 23 March.

| Station Information | |
|---|---|
| Site | Gordon Mine Site |
| Station | QF06 |
| Station Type | Stage |
| 2025 Operational Period | 1 January 2025 - 21 October 2025 |
| Logger Model | HOBO MX2001 |
| Easting | 411576 |
| Northing | 6303510 |

QF06 (Simpson Lake)
Photo taken on 21 October 2025

2025 Station History Summary

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
|---|---|---|---|---|---|---|---|
| 21-Oct-25 | Y | Y | NA | 297.181 | NA | NA | RTK survey completed |
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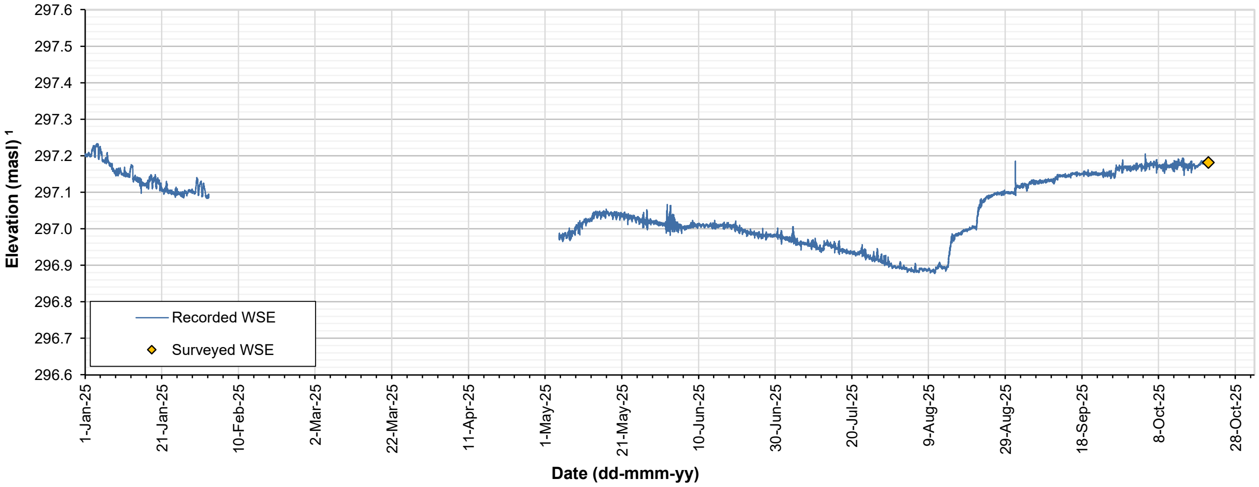
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Stage Record



NOTE:
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Hydrologic Summary

During the winter period when ice was present, the PTT collected intermittent periods of erroneous data. Erroneous data was removed from the dataset as it was deemed invalid. From 2 February - 5 May 2025 data was deemed invalid and removed from the dataset.
Station located at the Simpson Lake outlet. Minor water surface elevation variation likely influenced by wind/ wave effects.
Spike I stage record in late August attributed to increased precipitation.

| Station Information | |
|---|---|
| Site | Gordon Mine Site |
| Station | QF07 |
| Station Type | Discharge and Stage |
| 2025 Operational Period | 1 January 2025 - 21 October 2025 |
| Logger Model | HOBO MX2001 |
| Easting | 414759 |
| Northing | 6303927 |

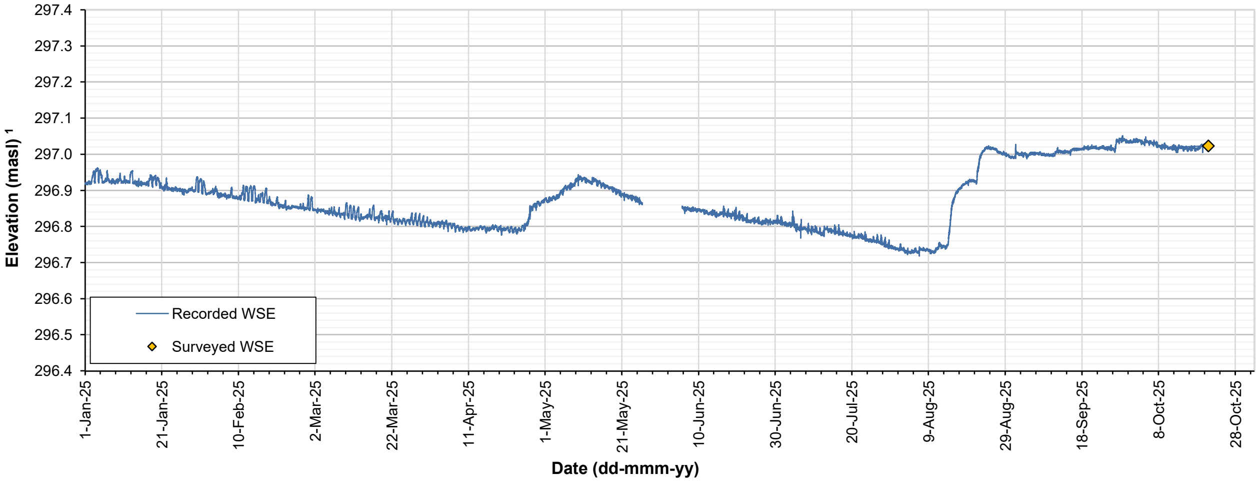
QF07 (Swede Lake outlet)
Photo taken on 21 October 2025

2025 Station History Summary

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
|---|---|---|---|---|---|---|---|
| 21-Oct-25 | Y | Y | NA | 297.023 | Y | 0.19 | RTK survey completed |

[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Stage Record



NOTE:
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Hydrologic Summary

Data removed from 26 May - 5 June 2025 due to erroneous data spiking.
Low flow observed in October field visit.
Beaver dam noted ~30 m downstream of hydrometric station (approximate 40 m downstream of flow site) on October visit.

| Station Information | |
|---|---|
| Site | Gordon Mine Site |
| Station | QF11B |
| Station Type | Discharge and Stage |
| 2025 Operational Period | 1 January 2025 - 22 October 2025 |
| Logger Model | HOBO MX2001 |
| Easting | 410671 |
| Northing | 6300083 |

QF11B (Hughes River)
Photo taken on 22 October 2025

| 2025 Station History Summary | | | | | | | |
|---|---|---|---|---|---|---|---|
| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
| 22-Oct-25 | Y | Y | NA | 290.870 | Y | 13.04 | RTK survey completed |
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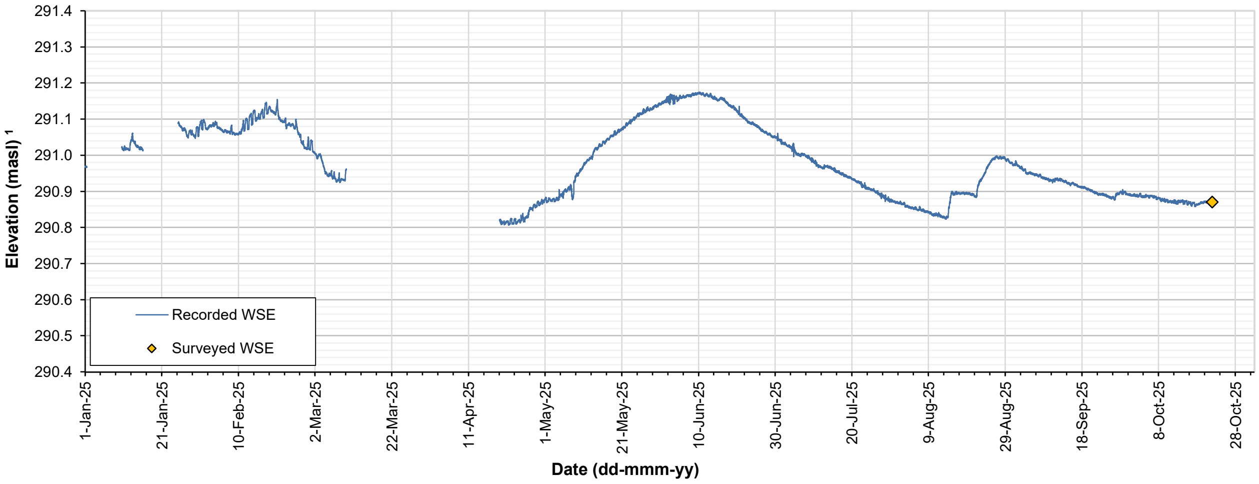
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

## 2025 Stage Record



NOTE:
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

## 2025 Hydrologic Summary

During the winter period when ice was present, the PTT collected intermittent periods of erroneous data. Erroneous data was removed from the dataset as it was deemed invalid. From 1 January - 10 January, 16 January to 25 January, and 10 March - 10 April 2025 data was deemed invalid and removed from the dataset.

| Station Information | |
|---|---|
| Site | Gordon Mine Site |
| Station | QRef01 |
| Station Type | Discharge and Stage |
| 2025 Operational Period | 1 January 2025 - 23 October 2025 |
| Logger Model | HOBO MX2001 |
| Easting | 406313 |
| Northing | 6304924 |

QRef01 (Low Lake outlet)
Photo taken on 23 October 2025

2025 Station History Summary

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q (m$^3$/s) | Notes |
|---|---|---|---|---|---|---|---|
| 23-Oct-25 | Y | Y | NA | 296.258 | Y | 0.05 | RTK survey completed |
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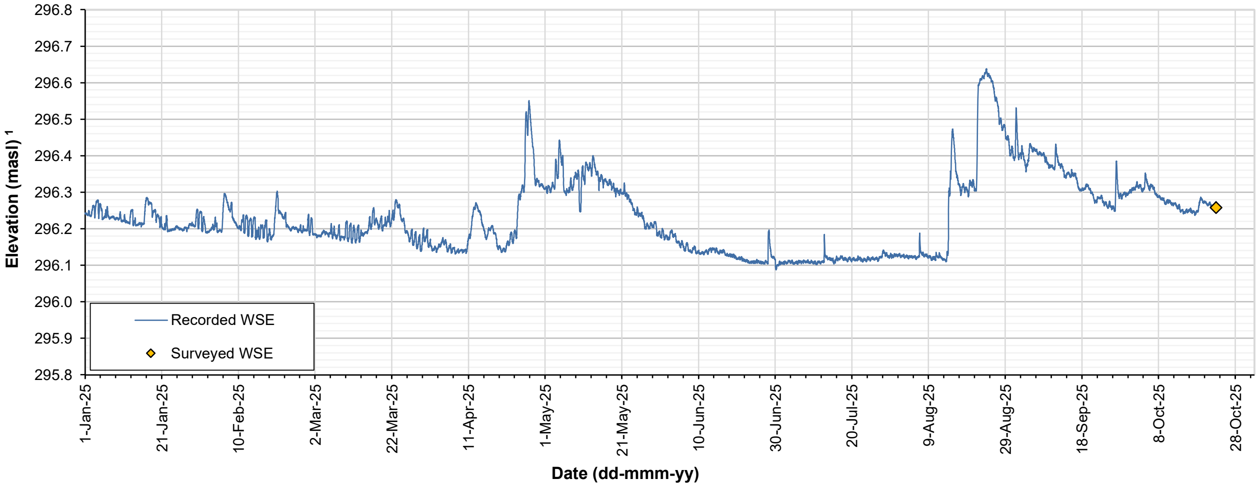
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Stage Record



NOTE:
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Hydrologic Summary

Observations from October include muddy, heavily vegetated left bank.
Shallow water resulting in larger variation of WSE (deepest water depth reading in October was 0.37m).

| Station Information | |
|---|---|
| Site | Gordon Mine Site |
| Station | QRef02 |
| Station Type | Discharge and Stage |
| 2025 Operational Period | New Station |
| Logger Model | HOBO MX2001 |
| Easting | 415741 |
| Northing | 6305328 |

QRef02 (Mac Lake outlet)
Photo taken on 26 October 2025

## 2025 Station History Summary

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
|---|---|---|---|---|---|---|---|
| 26-Oct-25 | Y | Y | NA | 308.432 | Y | 0.33 | RTK survey completed.<br>New station installed. |
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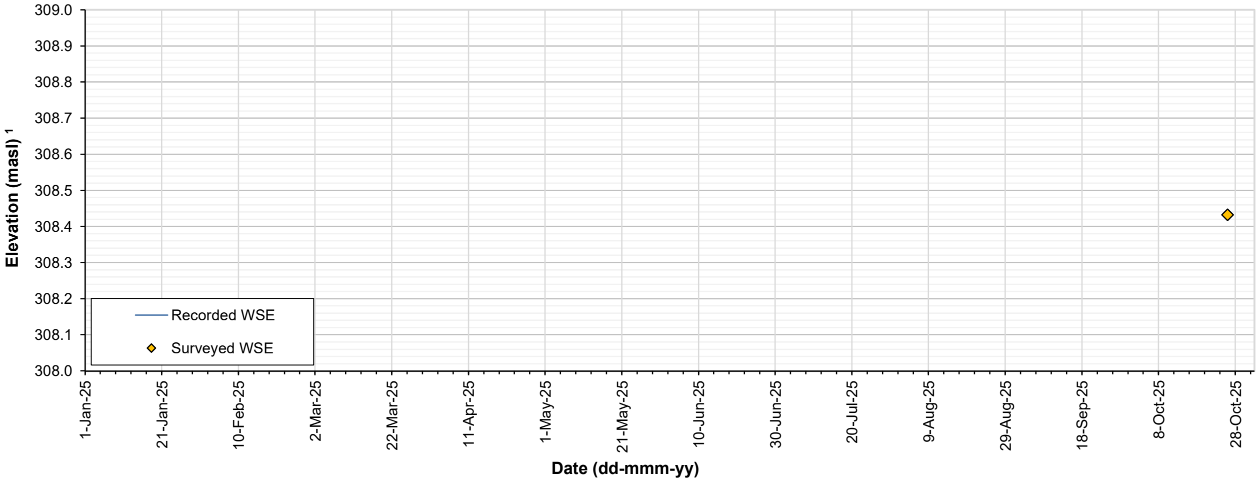
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

## 2025 Stage Record



NOTE:
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

## 2025 Hydrologic Summary

Site is heavily vegetated / wetland / boggy; little to no flow observed (higher uncertainty in flow measurement).

# B.2 Hydrometric Summaries – MacLellan Site

| Station Information | |
|---|---|
| Site | MacLellan Mine Site |
| Station | East Pond |
| Station Type | Stage |
| 2025 Operational Period | 22 March 2025 - 24 October 2025 |
| Logger Model | HOBO MX2001 |
| Easting | 381368 |
| Northing | 6307417 |

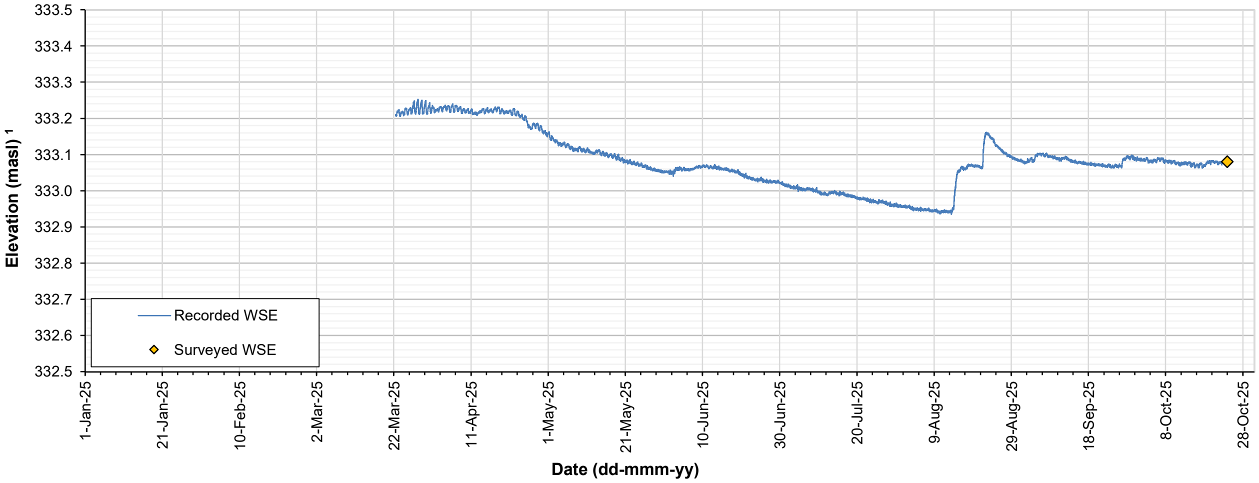
East Pond
Photo taken on 24 October 2025

2025 Station History Summary

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
|---|---|---|---|---|---|---|---|
| 24-Oct-25 | Y | Y | NA | 333.080 | NA | NA | RTK survey completed |

[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Stage Record



NOTE:
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Hydrologic Summary

Winter logger malfunction. Logger restarted 22 March.
Benchmark 1 destroyed by 2025 fire. To be replaced in first field visit 2026.

| Station Information | |
|---|---|
| Site | MacLellan Mine Site |
| Station | Minton Lake |
| Station Type | Stage |
| 2025 Operational Period | Damaged Station |
| Logger Model | HOBO MX2001 |
| Easting | 385616 |
| Northing | 6308332 |

Damaged station at Minton Lake (Minton2)
Photo taken on 19 October 2025

2025 Station History Summary

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
|---|---|---|---|---|---|---|---|
| 19-Oct-25 | Y | NA | Y | 99.481 (m)[1] | NA | NA | Top of station was opened by an animal.<br>Logger replaced. |
| 24-Oct-25 | Y | NA | Y | 329.996 (masl)[2] | NA | NA | RTK survey completed |
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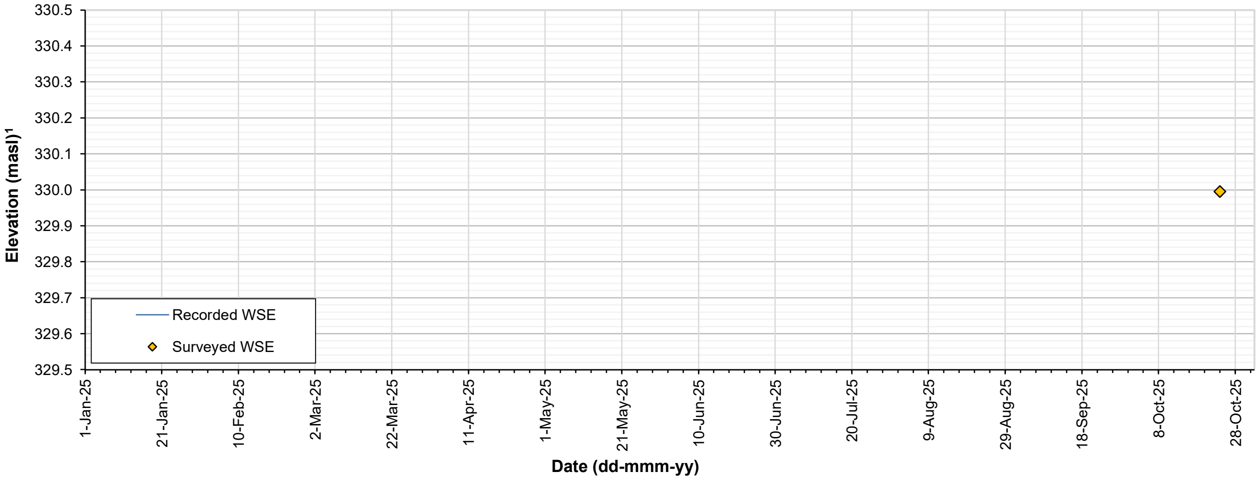
[1] Referenced to local arbitrary datum.
[2] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W.

2025 Stage Record



NOTE:
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W.

2025 Hydrologic Summary

Damage to station cause by wildlife. New logger deployed 19 October 2025.
Returned to station 24 October for RTK Survey.

| Station Information | |
|---|---|
| Site | MacLellan Mine Site |
| Station | QM07B |
| Station Type | Discharge and Stage |
| 2025 Operational Period | 1 January 2025 - 19 October 2025 |
| Logger Model | HOBO MX2001 |
| Easting | 386761 |
| Northing | 6307992 |

QM07B (Outlet of unnamed lake downstream of Minton Lake)
Photo taken on 19 October 2025

2025 Station History Summary

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
|---|---|---|---|---|---|---|---|
| 24-Mar-25 | Y | N | NA | NA | Y | 0.06 | |
| 19-Oct-25 | Y | Y | Y | 324.095 | Y | 0.11 | RTK survey completed |
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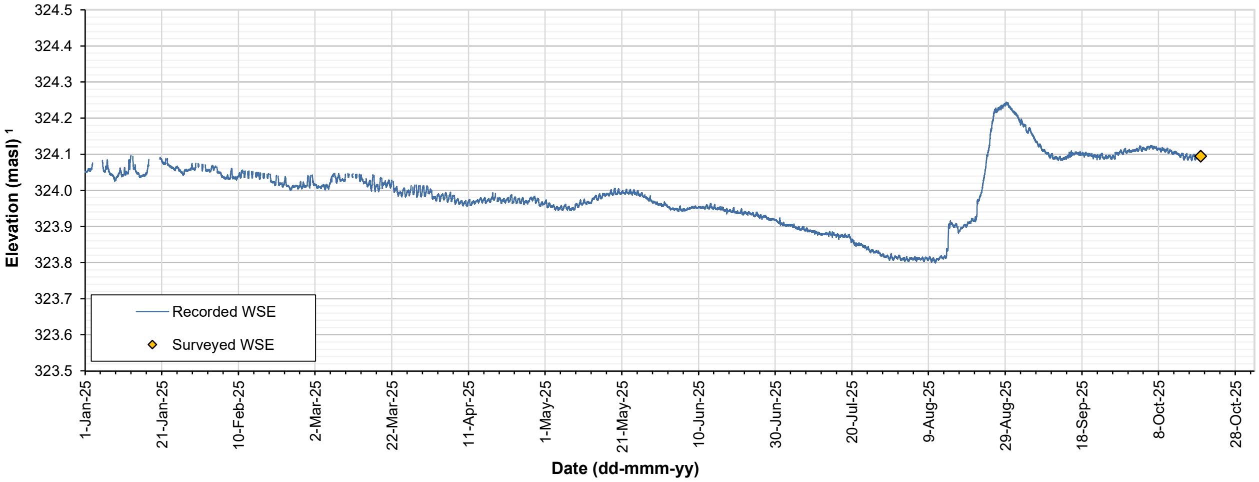
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Stage Record



NOTE:

[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Hydrologic Summary

During the winter period when ice was present, the PTT collected intermittent periods of erroneous data. Erroneous data was removed from the dataset as it was deemed invalid. From 1 January – 21 r h, data is periodically removed as was deemed invalid and removed from the dataset.

| Station Information | |
|---|---|
| Site | MacLellan Mine Site |
| Station | QM08 |
| Station Type | Discharge and Stage |
| 2025 Operational Period | 1 January 2025 - 25 October 2025 |
| Logger Model | HOBO MX2001 |
| Easting | 388343 |
| Northing | 6296091 |

QM08 (Cockeram Lake outlet)
Photo taken on 25 October 2025

## 2025 Station History Summary

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
|---|---|---|---|---|---|---|---|
| 25-Oct-25 | Y | Y | NA | 312.139 | Y | 17.34 | RTK survey completed |
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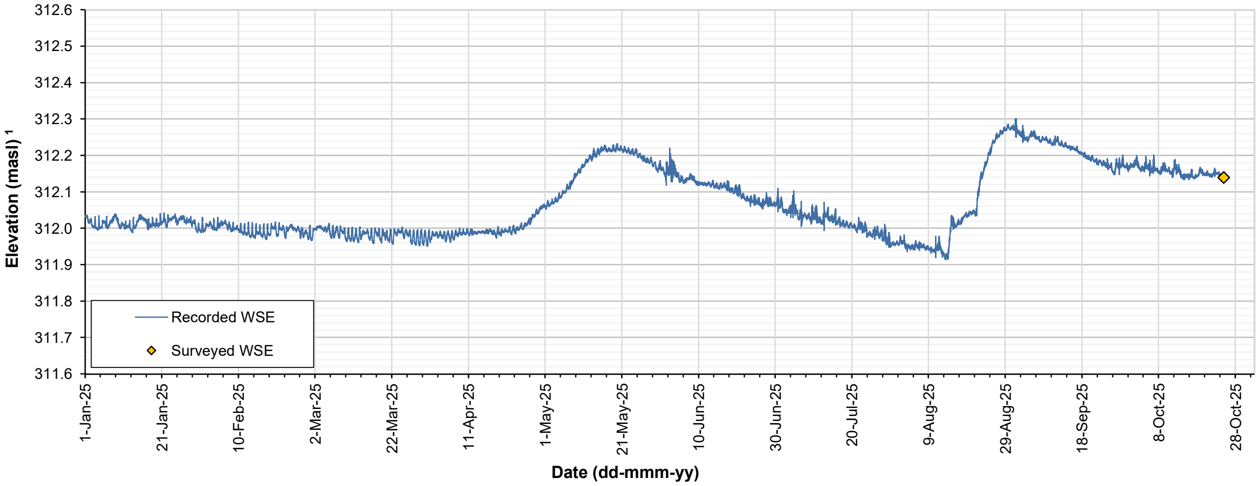
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

## 2025 Stage Record



NOTE:
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

## 2025 Hydrologic Summary

Minor water surface elevation variation likely influenced by wind/ wave effects.

| Station Information | |
|---|---|
| Site | MacLellan Mine Site |
| Station | QM11 |
| Station Type | Discharge and Stage |
| 2025 Operational Period | 18 October 2025 - 22 October 2025 |
| Logger Model | HOBO MX2001 |
| Easting | 386359 |
| Northing | 6303458 |

QM11 (Cockeram River)
Photo taken on 22 October 2025

## 2025 Station History Summary

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
|---|---|---|---|---|---|---|---|
| 22-Oct-25 | Y | Y | NA | 313.131 | Y | 16.34 | New install. RTK survey completed. |
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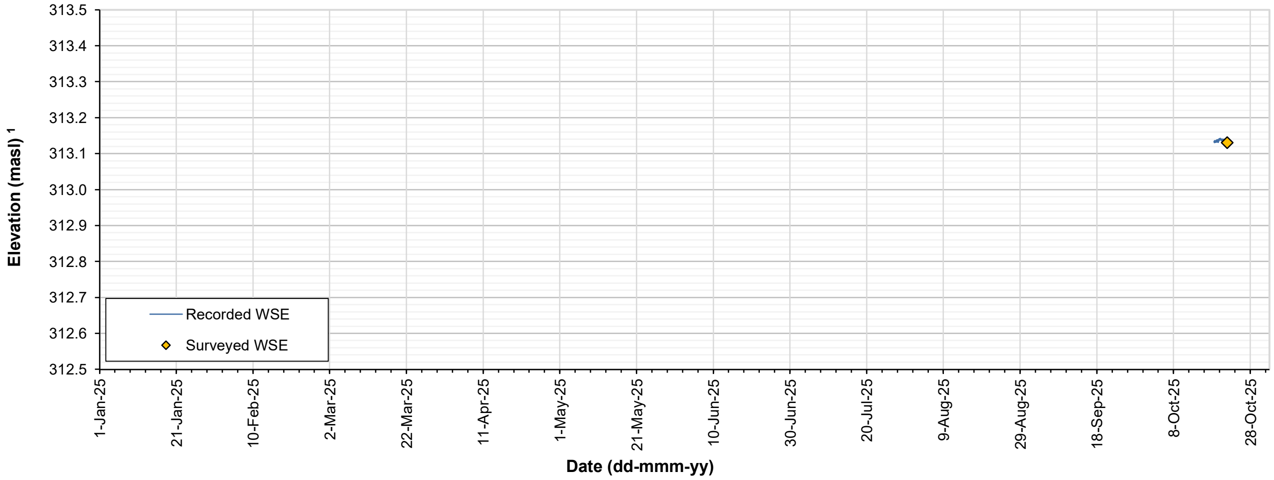
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

## 2025 Stage Record



NOTE:
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

## 2025 Hydrologic Summary

Station had been removed from previous location due to road layout changes.
Installed 18 October and downloaded 22 October to ensure data validity.
Muddy bottom resulted in higher uncertainty in October ADCP measurement.

| Station Information | |
|---|---|
| Site | MacLellan Mine Site |
| Station | QM12 |
| Station Type | Stage |
| 2025 Operational Period | Damaged Station |
| Logger Model | HOBO MX2001 |
| Easting | 383602 |
| Northing | 6311591 |

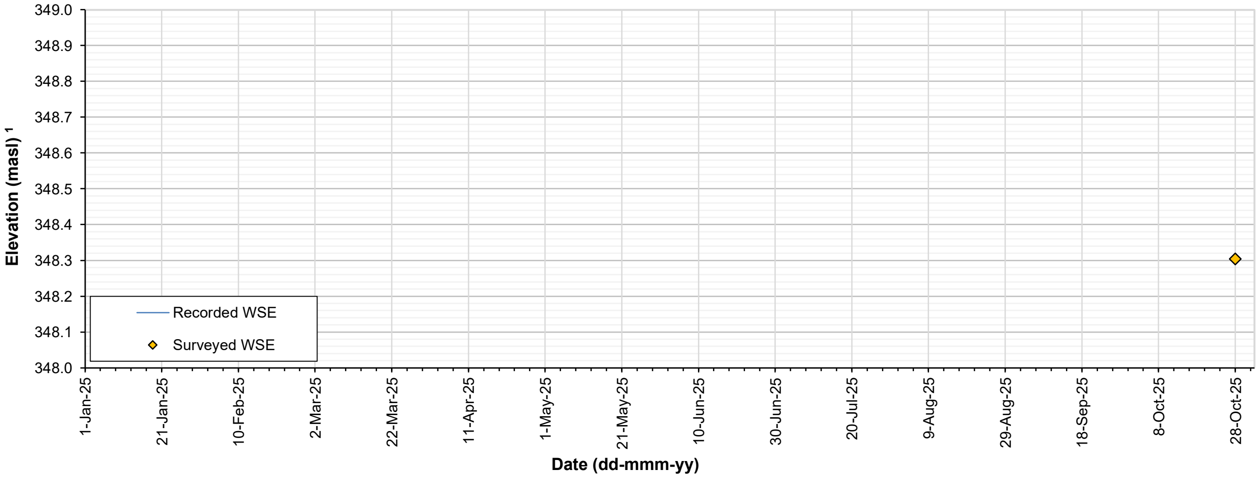
QM12 (Payne Lake)
Photo taken on 28 October 2025

2025 Station History Summary

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
|---|---|---|---|---|---|---|---|
| 28-Oct-25 | Y | NA | NA | 348.305 | NA | NA | Old station destroyed.<br>RTK survey comleted.<br>New station installed. |

[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Stage Record



NOTE:

[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Hydrologic Summary

Station reinstalled 28 October after damage to station and logger. No Stage Record for 2025.

| Station Information | |
|---|---|
| Site | MacLellan Mine Site |
| Station | QM01 |
| Station Type | Discharge and Stage |
| 2025 Operational Period | 1 January 2025 - 24 October 2025 |
| Logger Model | HOBO MX2001 |
| Easting | 379676 |
| Northing | 6310698 |

QM01 (Keewatin River at Burge Lake outlet)
Photo taken on 24 October 2025

2025 Station History Summary

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
|---|---|---|---|---|---|---|---|
| 24-Oct-25 | Y | Y | NA | 334.355 | Y | 12.68 | RTK survey completed |
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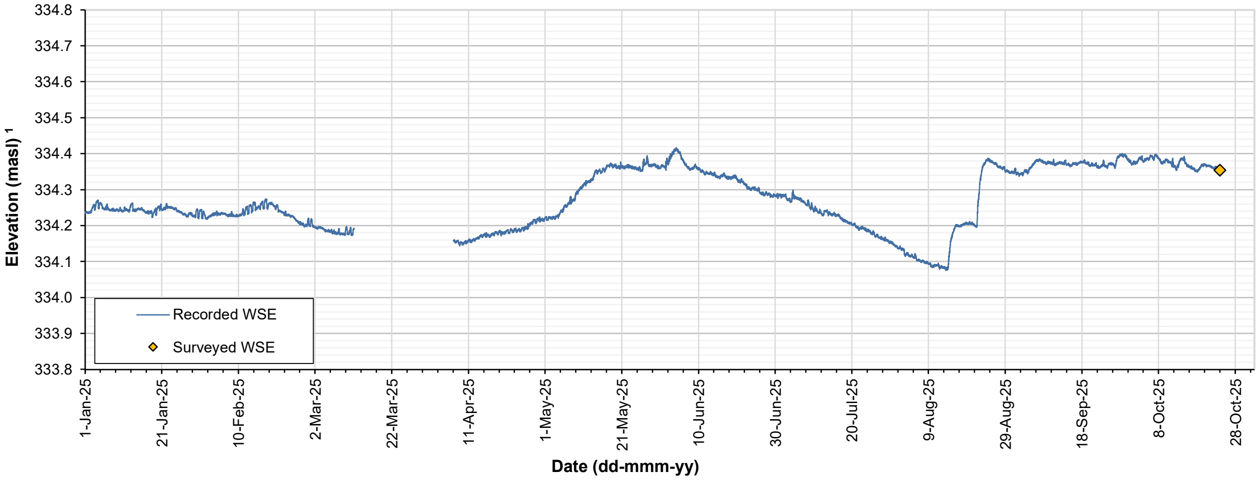
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Stage Record



NOTE:
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Hydrologic Summary

During the winter period when ice was present, the PTT collected intermittent periods of erroneous data. Erroneous data was removed from the dataset as it was deemed invalid. From 12 March - 7 April 2025 data was deemed invalid and removed from the dataset.

| Station Information | |
|---|---|
| Site | MacLellan Mine Site |
| Station | QM02B |
| Station Type | Discharge and Stage |
| 2025 Operational Period | 1 April 2025 - 22 October 2025 |
| Logger Model | HOBO MX2001 |
| Easting | 380500 |
| Northing | 6307978 |

QM02B (Keewatin River downstream of effluent discharge pipe and intake pipe)
Photo taken on 26 October 2025

2025 Station History Summary

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
|---|---|---|---|---|---|---|---|
| 24-Mar-25 | Y | N | NA | NA | Y | 3.69 | |
| 22-Oct-25 | Y | Y | NA | 330.337 | Y | 8.01 | RTK survey completed |
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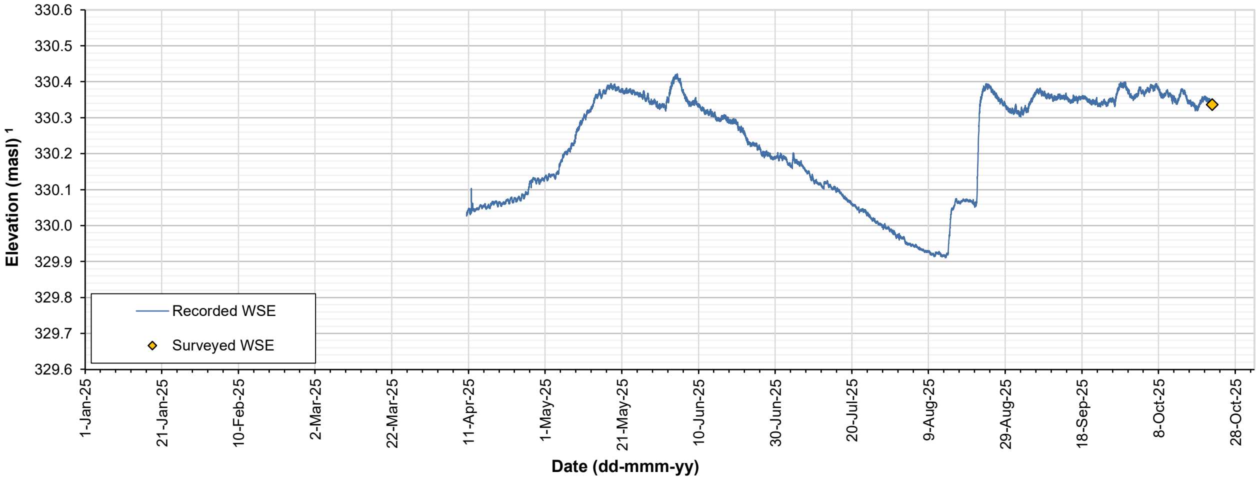
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Stage Record



NOTE:

[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Hydrologic Summary

During the winter period when ice was present, the PTT collected intermittent periods of erroneous data. Erroneous data was removed from the dataset as it was deemed invalid. From 1 January - 11 April 2025 data was deemed invalid and removed from the dataset.

| Station Information | |
|---|---|
| Site | MacLellan Mine Site |
| Station | QM04B |
| Station Type | Discharge and Stage |
| 2025 Operational Period | Damaged Logger |
| Logger Model | HOBO MX2001 |
| Easting | 381630 |
| Northing | 6306301 |

QM04B (Tributary to Keewatin River (KEE3-B1))
Photo taken on 19 October 2025

2025 Station History Summary

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
|---|---|---|---|---|---|---|---|
| 22-Oct-25 | Y | Y | Y | 321.507 | Y | 0.04 | RTK survey completed. Logger damaged - installed new logger. |
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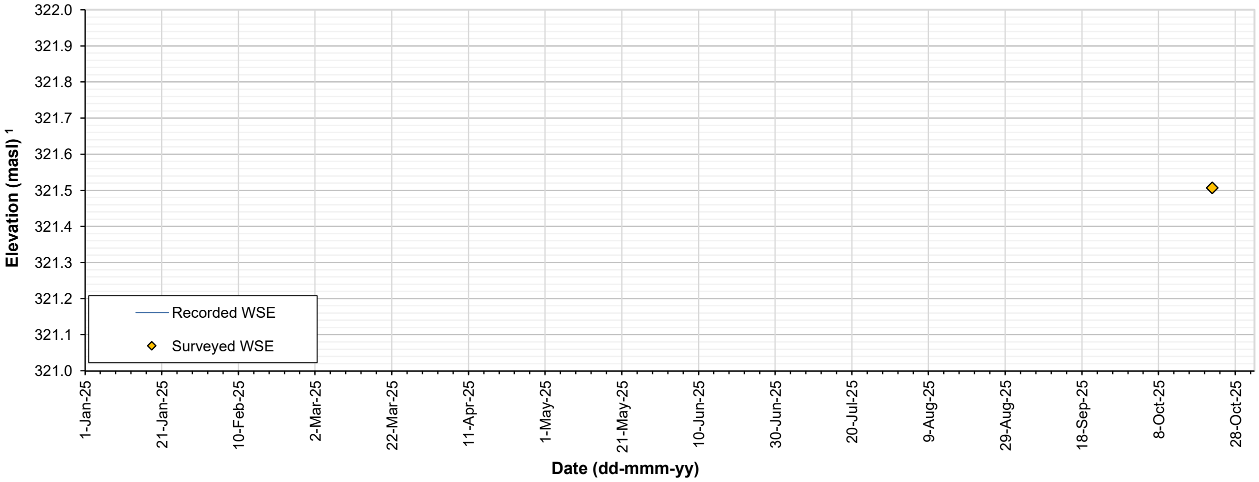
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Stage Record



NOTE:
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Hydrologic Summary

Logger damaged during the season (likely heat damage due to fire in close proximity to station.
New logger installed 22 October 2025.

| Station Information | |
|---|---|
| Site | MacLellan Mine Site |
| Station | QM06B |
| Station Type | Discharge and Stage |
| 2025 Operational Period | 23 April 2025 - 22 October 2025 |
| Logger Model | HOBO MX2001 |
| Easting | 381830 |
| Northing | 6304764 |

QM06B (Keewatin River downstream of KEE3-B1)
Photo taken on 22 October 2025

2025 Station History Summary

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
|---|---|---|---|---|---|---|---|
| 22-Oct-25 | Y | Y | NA | 319.790 | Y | 13.65 | RTK survey completed |
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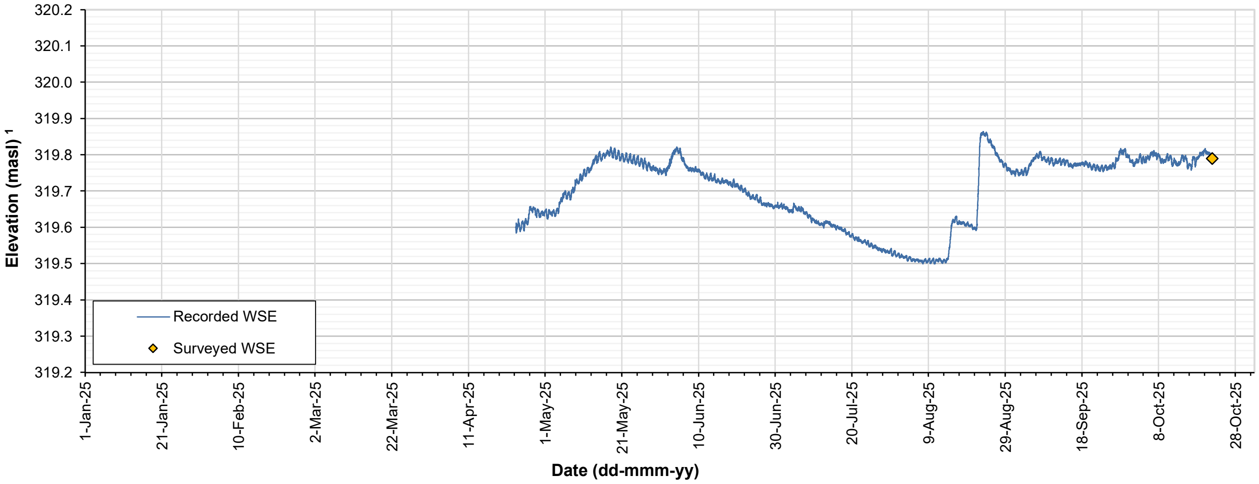
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Stage Record



NOTE:

[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Hydrologic Summary

During the winter period when ice was present, the PTT collected intermittent periods of erroneous data. Erroneous data was removed from the dataset as it was deemed invalid. From 1 January - 23 April 2025 data was deemed invalid and removed from the dataset.

| Station Information | |
|---|---|
| Site | MacLellan Mine Site |
| Station | QM13 |
| Station Type | Discharge and Stage |
| 2025 Operational Period | 22 March 2025 - 28 April 2025 |
| Logger Model | HOBO MX2001 |
| Easting | 382171 |
| Northing | 6303994 |

QM13 (Keewatin River downstream of Lynn River)
Photo taken on 24 October 2025

2025 Station History Summary

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
|---|---|---|---|---|---|---|---|
| 23-Mar-25 | Y | N | NA | NA | Y | 4.01 | |
| 24-Oct-25 | Y | Y | NA | 313.338 | Y | 22.19 | Station was not running when arrived on site.<br>RTK survey completed. |
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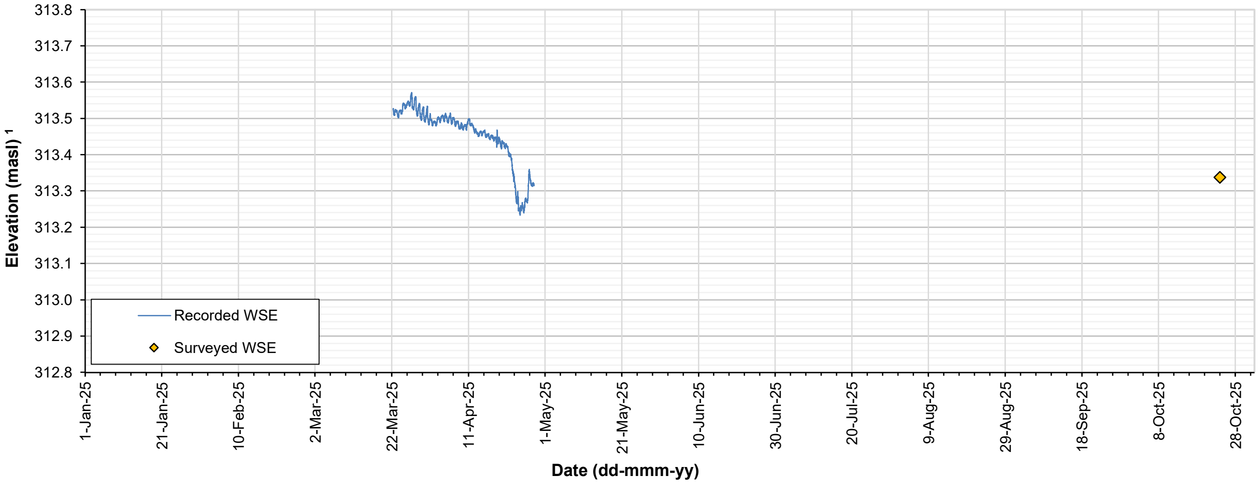
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Stage Record



NOTE:
1 Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Hydrologic Summary

Winter Logger malfunction.Reset 22 March.
Batteries changed and logger restarted 28 October 2025 (lost battery 28 April 2025).

| Station Information | |
|---|---|
| Site | MacLellan Mine Site |
| Station | QM05 |
| Station Type | Discharge and Stage |
| 2025 Operational Period | 27 April 2025 - 19 October 2025 |
| Logger Model | HOBO MX2001 |
| Easting | 381933 |
| Northing | 6303917 |

QM05 (Lynn River)
Photo taken on 19 October 2025

| 2025 Station History Summary | | | | | | | |
|---|---|---|---|---|---|---|---|
| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
| 23-Mar-25 | Y | N | NA | NA | Y | 0.53 | |
| 19-Oct-25 | Y | Y | Y | 315.851 | Y | 3.06 | RTK survey completed |
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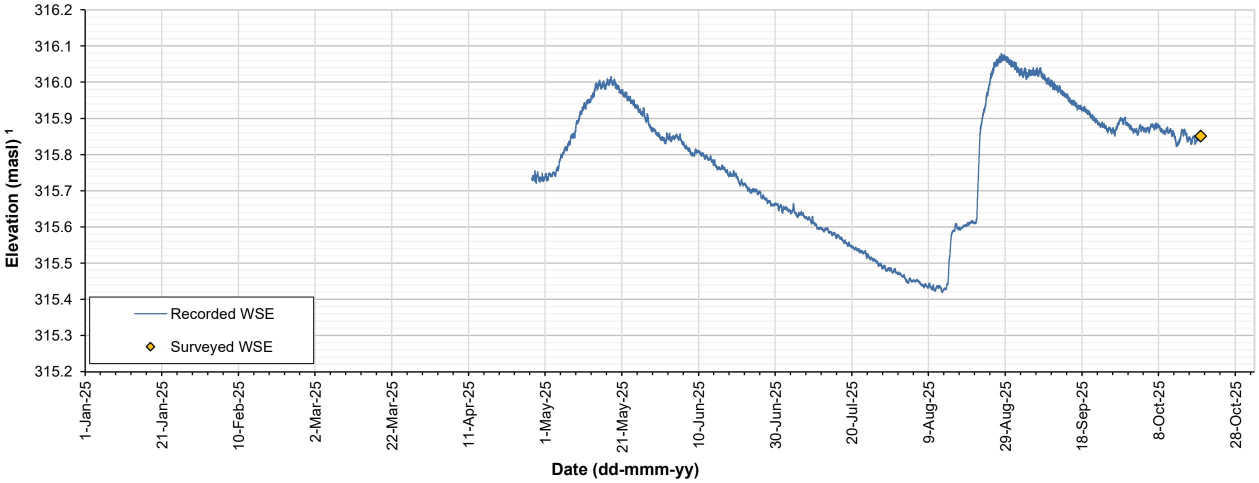
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Stage Record



NOTE:

[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Hydrologic Summary

During the winter period when ice was present, the PTT collected intermittent periods of erroneous data. Erroneous data was removed from the dataset as it was deemed invalid. From 1 January - 27 April 2025 data was deemed invalid and removed from the dataset.
Boulders/ rocks on stream bed led to higher uncertainty in discharge data in October.

| Station Information | |
|---|---|
| Site | MacLellan Mine Site |
| Station | WC01 |
| Station Type | Discharge and Stage |
| 2025 Operational Period | New Station |
| Logger Model | HOBO MX2001 |
| Easting | 380873 |
| Northing | 6292562 |

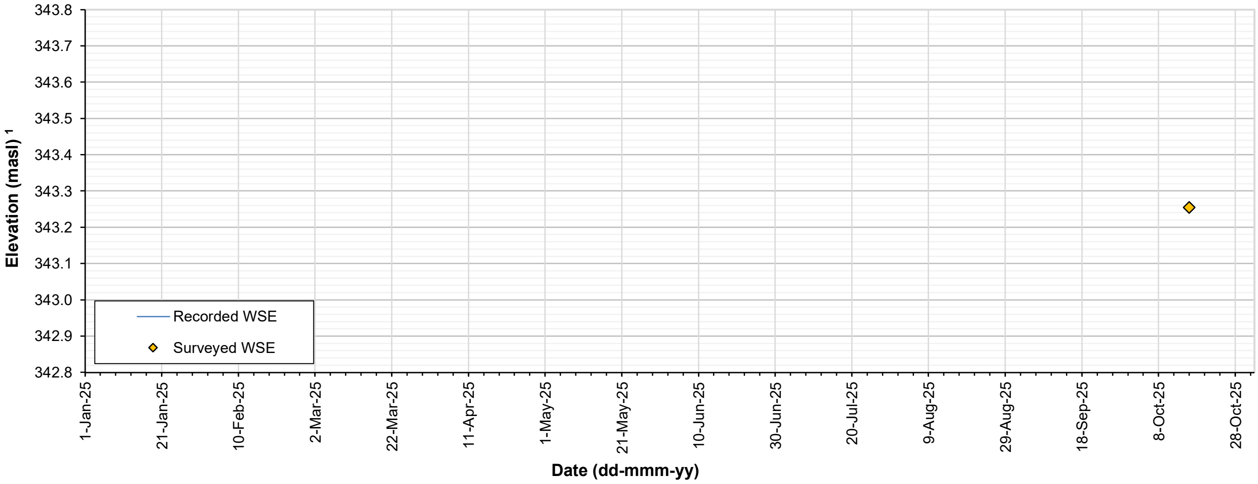
WC01 (Waban Creek)
Photo taken on 26 October 2025

2025 Station History Summary

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
|---|---|---|---|---|---|---|---|
| 16-Oct-25 | Y | NA | NA | 343.255 | Y | 0.02 | New station.<br>RTK survey completed. |

[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Stage Record



NOTE:
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Hydrologic Summary

Station installed 16 October. No Stage Record for 2025.
Channel is very shallow and rocky (higher uncertainty in October discharge measurement).

| Station Information | |
|---|---|
| Site | MacLellan Mine Site |
| Station | WL01 |
| Station Type | Discharge and Stage |
| 2025 Operational Period | New Station |
| Logger Model | HOBO MX2001 |
| Easting | 381561 |
| Northing | 6292352 |

WL01 (Wasekwan Lake outlet)
Photo taken on 16 October 2025

## 2025 Station History Summary

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
|---|---|---|---|---|---|---|---|
| 17-Oct-25 | Y | NA | NA | 342.736 | Y | 0.08 | New station. RTK survey completed. |
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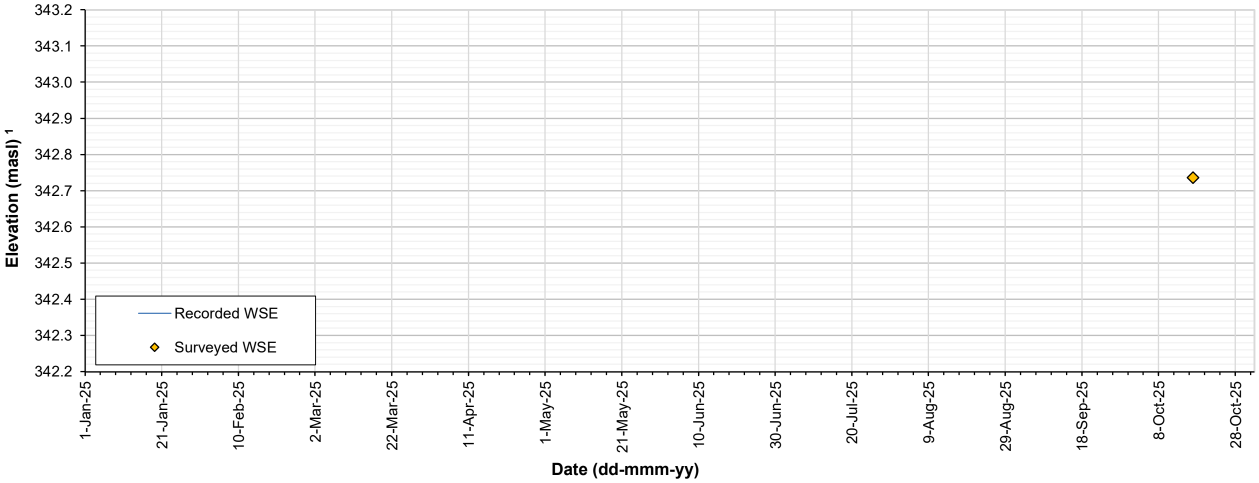
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

## 2025 Stage Record



NOTE:
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

## 2025 Hydrologic Summary

Station installed 17 October. No Stage Record for 2025.

| Station Information | |
|---|---|
| Site | MacLellan Mine Site |
| Station | Arbor Lake |
| Station Type | Stage |
| 2025 Operational Period | 24 March 2025 - 28 October 2025 |
| Logger Model | HOBO MX2001 |
| Easting | 391421 |
| Northing | 6311008 |

Arbor Lake
Photo taken on 28 October 2025

2025 Station History Summary

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
|---|---|---|---|---|---|---|---|
| 28-Oct-25 | Y | Y | NA | 325.970 | NA | NA | RTK survey completed |
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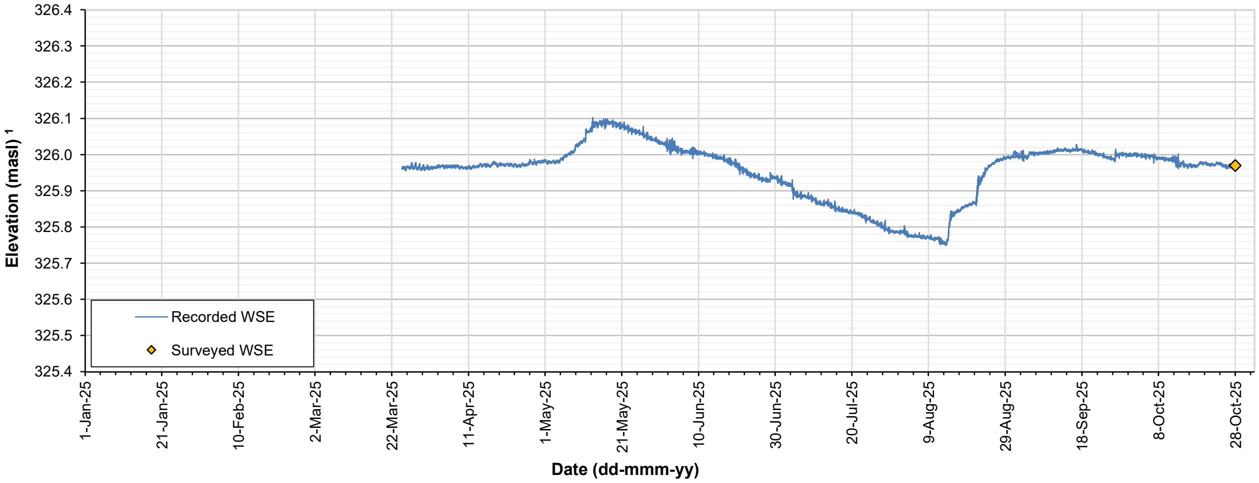
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Stage Record



NOTE:

[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Hydrologic Summary

Winter logger malfunction. Logger restarted 24 March.

| Station Information | |
|---|---|
| Site | MacLellan Mine Site |
| Station | Burge Lake |
| Station Type | Stage |
| 2025 Operational Period | 1 January 2025 - 20 October 2025 |
| Logger Model | HOBO MX2001 |
| Easting | 375152 |
| Northing | 6307671 |

Burge Lake
Photo taken on 20 October 2025

2025 Station History Summary

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
|---|---|---|---|---|---|---|---|
| 20-Oct-25 | Y | Y | NA | 338.745 | NA | NA | RTK survey completed |
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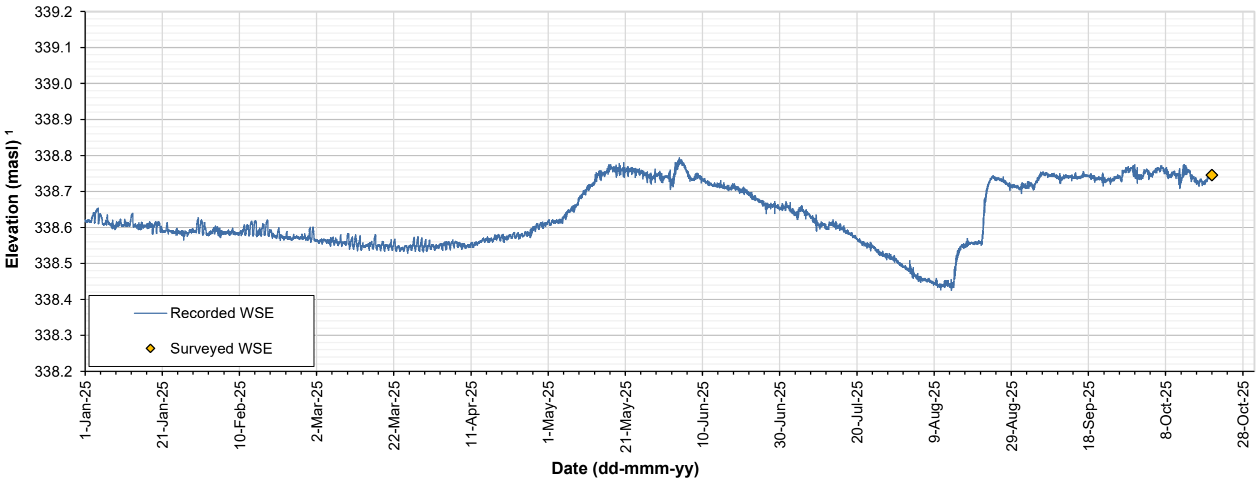
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Stage Record



NOTE:
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Hydrologic Summary

Minor water surface elevation variation likely influenced by wind/ wave effects.

| Station Information | |
|---|---|
| Site | MacLellan Mine Site |
| Station | QRef03 |
| Station Type | Discharge and Stage |
| 2025 Operational Period | New Station |
| Logger Model | HOBO MX2001 |
| Easting | 390144 |
| Northing | 6304339 |

QRef03 (Carr Lake outlet)
Photo taken on 25 October 2025

2025 Station History Summary

| Date & Time | Station Inspection | Logger Download | Level Survey Passed | Surveyed Water Surface Elevation, WSE (masl)[1] | Discharge Measurement | Field Measured Discharge, Q ($m^3/s$) | Notes |
|---|---|---|---|---|---|---|---|
| 25-Oct-25 | Y | NA | NA | 328.997 | Y | 0.16 | New station.<br>RTK survey completed. |
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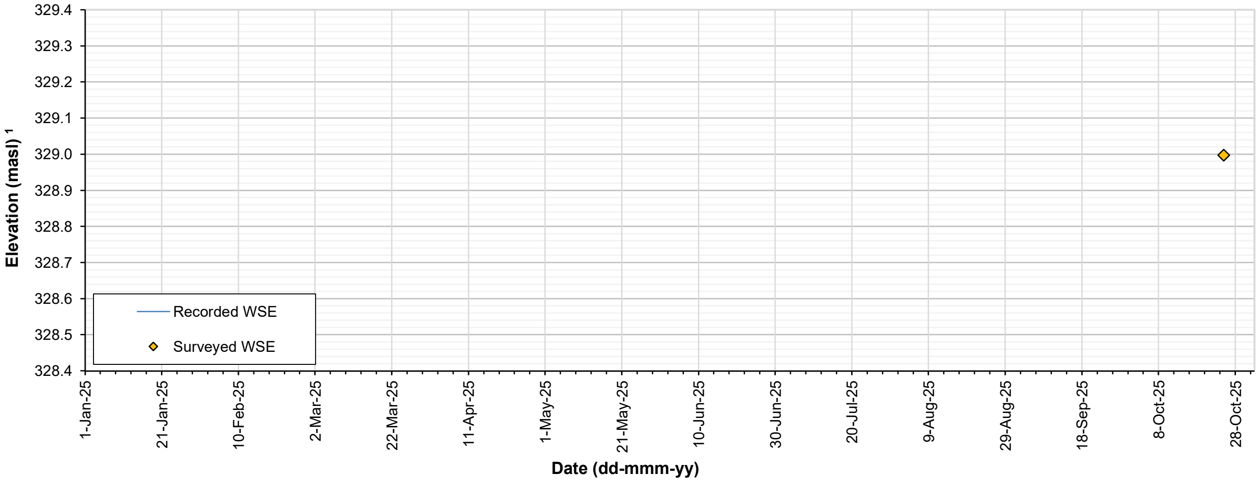
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Stage Record



NOTE:
[1] Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W

2025 Hydrologic Summary

Station installed 25 October. No Stage Record for 2025.

# Appendix C Surface Water Quality

# C.1 Surface Water Quality Analytical Results

*Table C.1-1 Monitoring Parameters and Guideline Values*

| Parameter | Units | Reportable Detection Limit (RDL) | MSOG-FAL | CWQG-PAL | FEQG |
|---|---|---|---|---|---|
| **Field Parameters** | | | | | |
| Dissolved Oxygen, Field$^{\dagger}$ | mg/L | - | $>5.5^{BC}$ | $>5.5/6/6.5/9.5_{VAR}^{E}$ | n/v |
| Electrical Conductivity, Field | mS/cm | - | n/v | n/v | n/v |
| Oxidation Reduction Potential, field | mV | - | n/v | n/v | n/v |
| pH, Field$^{\dagger}$ | S.U. | - | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v |
| Specific Conductance, Field | µS/cm | - | n/v | n/v | n/v |
| Temperature, Field | deg C | - | n/v | n/v | n/v |
| Total Dissolved Solids, Field | mg/L | - | n/v | n/v | n/v |
| Turbidity, Field | NTU | - | n/v | n/v | n/v |
| **General Chemistry** | | | | | |
| Acidity as CaCO3 | mg/L | 2 | n/v | n/v | n/v |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | 2 | n/v | n/v | n/v |
| Alkalinity, Carbonate (as CaCO3) | mg/L | 2 | n/v | n/v | n/v |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | 2 | n/v | n/v | n/v |
| Alkalinity, Phenolphthalein | mg/L | 2 | n/v | n/v | n/v |
| Alkalinity, Total (as CaCO3)$^{\dagger}$ | mg/L | 2 | n/v | n/v | n/v |
| Ammonia (as N)$^{\dagger}$ | mg/L | 0.005 | Equation$^{*BC}$ | $0.0173/190_{TBC2}^{E}$ | n/v |
| Bromide | mg/L | 0.1 | n/v | n/v | n/v |
| Chloride$^{\dagger}$ | mg/L | 0.5 | n/v | 640$^{D}$ 120$^{E}$ | n/v |
| Cyanate | mg/L | 0.2 | n/v | n/v | n/v |
| Cyanide$^{\dagger}$ | mg/L | 0.001 | $0.022/0.0052_{s1}^{C}$ | 0.005$^{E}$ | n/v |
| Cyanide (Free)$^{\dagger}$ | mg/L | 0.001 | $0.022/0.0052_{s1}^{B}$ | 0.005$^{E}$ | n/v |
| Cyanide (Weak Acid Dissociable)$^{\dagger}$ | mg/L | 0.001 | n/v | 0.005$^{E}$ | n/v |
| Dissolved Organic Carbon (DOC) | mg/L | 0.5 | n/v | n/v | n/v |
| Electrical Conductivity, Lab | µS/cm | 1 | n/v | n/v | n/v |
| Fluoride$^{\dagger}$ | mg/L | 0.02 | n/v | 0.12$^{E}$ | n/v |
| Hardness (as CaCO3)$^{\dagger}$ | mg/L | 0.5 | n/v | n/v | n/v |
| Hardness (as CaCO3), dissolved | mg/L | 0.5 | n/v | n/v | n/v |
| Nitrate (as N)$^{\dagger}$ | mg/L | 0.02 | 13$^{C}$ | 124$^{D}$ 3.0$^{E}$ | n/v |
| Nitrate + Nitrite (as N)$^{\dagger}$ | mg/L | 0.022 | 10$^{B}$ 10$^{C}$ | n/v | n/v |
| Nitrite (as N)$^{\dagger}$ | mg/L | 0.01 | 0.06$^{C}$ | 0.06$^{E}$ | n/v |
| pH, lab | S.U. | 0.1 | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v |
| Phosphorus, Total$^{\dagger}$ | mg/L | 0.002 | 0.025$^{A}$ | n/v | n/v |
| Phosphorus, Total (Dissolved) | mg/L | 0.002 | n/v | n/v | n/v |
| Sulfate$^{\dagger}$ | mg/L | 0.3 | n/v | n/v | n/v |
| Thiocyanate | mg/L | 0.5 | n/v | n/v | n/v |
| Total Dissolved Solids | mg/L | 3 | n/v | n/v | n/v |
| Total Kjeldahl Nitrogen | mg/L | 0.05 | n/v | n/v | n/v |
| Total Organic Carbon | mg/L | 0.5 | n/v | n/v | n/v |
| Total Suspended Solids$^{\dagger}$ | mg/L | 1 | $_{SN}^{BC}$ | $_{SN}^{E}$ | n/v |
| Turbidity, Lab | NTU | 0.1 | n/v | n/v | n/v |
| **Dissolved Metals** | | | | | |
| Aluminum | mg/L | 0.001 | n/v | n/v | n/v |
| Antimony | mg/L | 0.0001 | n/v | n/v | n/v |
| Arsenic$^{\dagger}$ | mg/L | 0.0001 | $0.34/0.15_{s2}^{BC}$ | n/v | n/v |
| Barium | mg/L | 0.0001 | n/v | n/v | n/v |
| Beryllium | mg/L | 0.00002 | n/v | n/v | n/v |
| Bismuth | mg/L | 0.00005 | n/v | n/v | n/v |
| Boron | mg/L | 0.01 | n/v | n/v | n/v |
| Cadmium$^{\dagger}$ | mg/L | 0.000005 | Equation$^{*BC}$ | n/v | n/v |
| Calcium$^{\dagger}$ | mg/L | 0.05 | n/v | n/v | n/v |
| Cesium | mg/L | 0.00001 | n/v | n/v | n/v |
| Chromium | mg/L | 0.0005 | Equation$^{*BC}$ | n/v | n/v |
| Cobalt$^{\dagger}$ | mg/L | 0.0001 | n/v | n/v | n/v |
| Copper$^{\dagger}$ | mg/L | 0.0002 | Equation$^{*BC}$ | n/v | $_{s2}^{F}$ |

| Parameter | Units | Reportable Detection Limit (RDL) | MSOG-FAL | CWQG-PAL | FEQG |
|---|---|---|---|---|---|
| Iron | mg/L | 0.01 | n/v | n/v | n/v |
| Lead | mg/L | 0.00005 | Equation$^{*BC}$ | n/v | $_{s3}^{F}$ |
| Lithium | mg/L | 0.001 | n/v | n/v | n/v |
| Magnesium† | mg/L | 0.005 | n/v | n/v | n/v |
| Manganese† | mg/L | 0.0001 | n/v | Equation$^{*DE}$ | n/v |
| Mercury | mg/L | 0.000005 | n/v | n/v | n/v |
| Methyl Mercury† | µg/L | 0.00002 | n/v | n/v | n/v |
| Molybdenum | mg/L | 0.00005 | n/v | n/v | n/v |
| Nickel† | mg/L | 0.0005 | Equation$^{*BC}$ | n/v | n/v |
| Phosphorus | mg/L | 0.050 0.030 | n/v | n/v | n/v |
| Potassium† | mg/L | 0.05 | n/v | n/v | n/v |
| Rubidium | mg/L | 0.0002 | n/v | n/v | n/v |
| Selenium | mg/L | 0.00005 | n/v | n/v | n/v |
| Silicon | mg/L | 0.05 | n/v | n/v | n/v |
| Silver | mg/L | 0.00001 | n/v | n/v | n/v |
| Sodium† | mg/L | 0.05 | n/v | n/v | n/v |
| Strontium | mg/L | 0.0002 | n/v | n/v | 2.5$^{F}$ |
| Sulfur | mg/L | 0.5 | n/v | n/v | n/v |
| Tellurium | mg/L | 0.0002 | n/v | n/v | n/v |
| Thallium | mg/L | 0.00001 | n/v | n/v | n/v |
| Thorium | mg/L | 0.0001 | n/v | n/v | n/v |
| Tin | mg/L | 0.0001 | n/v | n/v | n/v |
| Titanium | mg/L | 0.0003 | n/v | n/v | n/v |
| Tungsten | mg/L | 0.0001 | n/v | n/v | n/v |
| Uranium† | mg/L | 0.00001 | n/v | n/v | n/v |
| Vanadium | mg/L | 0.0005 | n/v | n/v | n/v |
| Zinc† | mg/L | 0.001 | Equation$^{*BC}$ | Equation$^{*DE}$ | n/v |
| Zirconium | mg/L | 0.0003 | n/v | n/v | n/v |
| **Total Metals** | | | | | |
| Aluminum† | mg/L | 0.003 | 0.005/0.1$_{VAR}^{C}$ | 0.005/0.1$_{VAR1}^{E}$ | $_{s1}^{F}$ |
| Antimony | mg/L | 0.0001 | n/v | n/v | n/v |
| Arsenic† | mg/L | 0.0001 | n/v | 0.005E | n/v |
| Barium | mg/L | 0.0001 | n/v | n/v | n/v |
| Beryllium | mg/L | 0.00002 | n/v | n/v | n/v |
| Bismuth | mg/L | 0.00005 | n/v | n/v | n/v |
| Boron | mg/L | 0.01 | 29/1.5$_{s3}^{C}$ | 29$^{D}$ 1.5$^{E}$ | n/v |
| Cadmium† | mg/L | 0.000005 | n/v | 0.001$_{STB}^{D}$ 0.00009$_{LTG}^{E}$ | n/v |
| Calcium | mg/L | 0.05 | n/v | n/v | n/v |
| Cesium | mg/L | 0.00001 | n/v | n/v | n/v |
| Chromium | mg/L | 0.0005 | n/v | n/v | n/v |
| Chromium (Hexavalent) † | mg/L | 0.0005 | n/v | 0.001$^{E}$ | 0.005$^{F}$ |
| Cobalt† | mg/L | 0.0001 | n/v | n/v | $_{s4}^{F}$ |
| Copper† | mg/L | 0.0005 | n/v | Equation$^{*E}$ | n/v |
| Iron† | mg/L | 0.01 | 0.3$^{C}$ | 0.3$^{E}$ | $_{s5}^{F}$ |
| Lead† | mg/L | 0.00005 | n/v | Equation$^{*E}$ | n/v |
| Lithium | mg/L | 0.001 | n/v | n/v | n/v |
| Magnesium | mg/L | 0.005 | n/v | n/v | n/v |
| Manganese† | mg/L | 0.0001 | n/v | n/v | n/v |
| Mercury | mg/L | 0.000005 | 0.000026$^{C}$ | 0.000026$^{E}$ | n/v |
| Methyl Mercury† | µg/L | 0.00002 | n/v | 0.004$^{E}$ | n/v |
| Molybdenum | mg/L | 0.00005 | 0.073$^{C}$ | 0.073$^{E}$ | n/v |
| Nickel† | mg/L | 0.0005 | n/v | Equation$^{*E}$ | n/v |
| Phosphorus | mg/L | 0.050 0.030 | n/v | n/v | n/v |
| Potassium | mg/L | 0.05 | n/v | n/v | n/v |
| Rubidium | mg/L | 0.0002 | n/v | n/v | n/v |
| Selenium | mg/L | 0.00005 | 0.001$^{C}$ | 0.001$^{E}$ | n/v |

| Parameter | Units | Reportable Detection Limit (RDL) | MSOG-FAL | CWQG-PAL | FEQG |
|---|---|---|---|---|---|
| Silicon | mg/L | 0.1 | n/v | n/v | n/v |
| Silver | mg/L | 0.00001 | $0.0001^{C}$ | $0.00025^{E}$ | n/v |
| Sodium | mg/L | 0.05 | n/v | n/v | n/v |
| Strontium | mg/L | 0.0002 | n/v | n/v | n/v |
| Sulfur | mg/L | 0.5 | n/v | n/v | n/v |
| Tellurium | mg/L | 0.0002 | n/v | n/v | n/v |
| Thallium | mg/L | 0.00001 | $0.0008^{C}$ | $0.0008^{E}$ | n/v |
| Thorium | mg/L | 0.0001 | n/v | n/v | n/v |
| Tin | mg/L | 0.0001 | n/v | n/v | n/v |
| Titanium | mg/L | 0.0003 | n/v | n/v | n/v |
| Tungsten | mg/L | 0.0001 | n/v | n/v | n/v |
| Uranium† | mg/L | 0.00001 | $0.033/0.015_{s4}^{C}$ | $0.033^{D}$ $0.015^{E}$ | n/v |
| Vanadium | mg/L | 0.0005 | n/v | n/v | $0.12^{F}$ |
| Zinc† | mg/L | 0.003 | n/v | n/v | n/v |
| Zirconium | mg/L | 0.0002 | n/v | n/v | n/v |

Notes:

| | |
|---|---|
| - | Not Applicable. |
| n/v | No standard/guideline value. |
| † | Included in Kruskal-Wallis non-parametric tests to provide a preliminary assessment of differences in parameter concentrations among receiving environment areas. |

MSOG-FAL Manitoba Water Quality Standards Objectives and Guidelines for Freshwater Aquatic Life

| | |
|---|---|
| A | Tier I - Water Quality Guidelines - Freshwater Aquatic Life |
| B | Tier II - Water Quality Guidelines - Freshwater Aquatic Life |
| C | Tier III - Water Quality Guidelines - Freshwater Aquatic Life |

CWQG-PAL Canadian Water Quality Guidelines for the Protection of Aquatic Life

| | |
|---|---|
| D | Canadian Environmental Quality Guidelines, Canadian Water Quality Guidelines for the Protection of Aquatic Life - Freshwater Aquatics Short Term |
| E | Canadian Environmental Quality Guidelines, Canadian Water Quality Guidelines for the Protection of Aquatic Life - Freshwater Aquatics Long Term |
| FEQG | Federal Environmental Quality Guidelines (FEQG) Summary Table, Version 1.0 (January 2021). |
| F | FEQG - Freshwater Aquatic Life - Long Term |
| EQ1 | The short-term benchmark is for dissolved zinc and is calculated using the following equation: Benchmark = exp(0.833[ln(hardness mg·L-1)] + 0.240[ln(DOC mg·L-1)] + 0.526). The value in the table is for surface water of 50 mg h r ne n . mg i o e org ni r on (DOC). The benchmark equation is valid between hardness 13.8 and 250.5 mg n . n . mg . |
| EQ2 | The long-term CWQG is for dissolved zinc and is calculated using the following equation: CWQG = exp(0.947[ln(hardness mg·L-1)] - 0.815[pH] + 0.398[ln(DOC mg·L-1)] + 4.625). The value in the table is for surface water of 50 mg h r ne of . n . mg . he CWQG equation is valid between hardness 23.4 and 399 mg . n . n . to . mg . |
| EQ3 | The short-term benchmark is calculated using the benchmark calculator in Appendix B of the Scientific Criteria Document for the Development of the Canadian Water Quality Guidelines for the Protection of Aquatic Life: Manganese or the following equation: Benchmark = exp(0.878[ln(hardness)] + . where the en hm r i e re e in i o e m ng ne e on entr tion g and hardness is measured as CaCO3 equivalents in mg/L. The value in the table is for surface water of 50 mg/L hardness. The benchmark equation is valid between hardness 25 and 250 mg/L. |
| EQ4 | The long-term CWQG is found using the look-up table (see Table 5) or the CWQG and benchmark calculator is Appendix B of CCME (2019). The value in the table is for surface water of 50 mg/L hardness and pH of 7.5. The CWQG table is valid between hardness 25 and 670 mg/L and pH 5.8 and 8.4. |
| LTG | The CWQG for cadmium (i.e. long-term guideline) of 0.09 μg·L-1 is for waters of 50 mg CaCO3·L-1 hardness. The CWQG for cadmium is related to water hardness (as $CaCO_3$): When the water hardness is > 0 to < 17 mg the i . g t h r ne to mg/L, the CWQG is u te u ing thi e u tion g . og h r ne – 2.46 }); At hardness > 280 mg the i . g . |
| s1BC | 5.2 ug/L for a 4-day averaging duration, 22 ug/L for a 1 hour averaging duration (from Tier II - Water Quality Objectives) |
| s1F | Value calculated based in DOC, pH, and Hardness. The FEQG equation is valid between hardness 10 and 430 mg/L, pH 6 and 8.7, and dissolved organic carbon (DOC) 0.08 and 12.3 mg/L. See Table 7 for FE g t riou n h r ne . |
| s2BC | 150 ug/L for a 4-day averaging duration, 340 ug/L for a 1 hour averaging duration (from Tier II - Water Quality Objectives) |
| s2F | Value calculated using the Biotic Ligand Model Tool using Temperature, DOC, pH, and Hardness. |
| s3C | 29,000 ug/L short term exposure; 1,500 ug/L long term exposure. |
| s3F | Value calculated based in DOC and Hardness. The FEQG equation is valid for DOC 0.2-31.5 mg/L and hardness 4.7-511 mg/L. See Table 7 for FE g for e for the rote tion of u ti ife for e e te n h r ne ue . |
| s4 | 33 ug/L short term exposure; 15 ug/L long term exposure. |
| s4F | Value calculated based in Hardness. The FEQG equation is valid for hardness 52-396 mg/L. See Table 7 for FE g for o t for the rote tion of aquatic life for selected hardness values. |
| s5BC | Guideline varies depending on hardness. See Table 2 of Tier II - Water Quality Objectives guideline document for details. |
| s5F | Value calculated based in DOC and pH. The FEQG equation is valid for DOC 0.3-10.9 mg/L and pH 6.0-8.5. See Table 7 for FE g for ron for the protection of aquatic life for selected DOC and pH values. |
| SNBCE | see Narrative |
| STB | The short-term benchmark concentration of 1.0 μg·L-1 is for waters of 50 mg CaCO3·L-1 hardness. The short-term benchmark for cadmium is related to water hardness (as CaCO3): When the water hardness is 0 to < 5.3 mg/L, the short-term en hm r i . g t h r ne . to mg/L, the short-term benchmark is calculated using this equation (Short-term en hm r g . og h r ne – 1.71 });<br>At hardness > 360 mg/L, the short-term en hm r i . g . |
| TBCBC | Ammonia is calculated using temperature and pH for cool type of water with water temperature >5 deg C or early life stages are present for the averaging duration of 30 days (MWS 2011). |
| TBC2 | To be calculated (equation), then the present guideline values (mg/L NH3) can be converted to mg/L total ammonia-N by multiplying the corresponding guideline value by 0.8224. |
| VARC | Variable, 5 μg/L if pH < 6.5 and 100 μg/L if pH > 6.5 |
| VARE | Lowest acceptable dissolved oxygen concentration: for warm water biota: early life stages = 6000 μg/L; for warm water biota: other life stages = 5500 μg/L; for cold water biota: early life stages = 9500 μg/L; for cold water biota: other life stages = 6500 μg/L |

| Parameter | Units | Reportable Detection Limit (RDL) | MSOG-FAL | CWQG-PAL | FEQG |
|---|---|---|---|---|---|

VAR1 Variable, 5 µg/L if pH < 6.5 and 100 µg/L if pH > 6.5

# he for e i re te to w ter h r ne . hen the h r ne i to mg the i g . t h r ne to mg/L the i u te u ing thi e u tion g e . n h r ne -4.705}. At hardness >180 mg the i g . f the h r ne i un nown the i g

* The CWQG for copper is related to water hardness. When the water hardness is 0 to < 82 mg the i g . t h r ne to mg/L the i u te u ing thi e u tion g . e . n h r ne -1.465}. At hardness >180 mg the i g . f the h r ne i un nown the i g

** he for ni e i re te to w ter h r ne . hen the w ter h r ne i to mg the i g . t h r ne to mg/L the i u te u ing thi e u tion g e . n h r ne . . t h r ne mg the i g . f the h r ne i un nown the i g

*Table C.1-2 Summary of Surface Water Analytical Results*

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQF2 - Surface | | | | | | | | AQF4 - Surface | | | | | | | |
| Sample Date | | | | | 22-Jan-25 | 28-Feb-25 | 19-Mar-25 | 23-Apr-25 | 22-May-25 | 22-Oct-25 | 22-Nov-25 | 16-Dec-25 | 25-Jan-25 | 25-Feb-25 | 18-Mar-25 | 23-Apr-25 | 21-May-25 | 21-Oct-25 | 22-Nov-25 | 16-Dec-25 |
| Sample ID | | | | | AQF2 | AQF2 | AQF2 | AQF2 | AQF2 | AQF2 | AQF2 | AQF2 | AQF4 - Surface | AQF4 - 10 | AQF4 - Surface | AQF4 - surface | AQF4-surface | AQF4-surface | AQF4 - Surface | AQF4 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | STANTEC | ALS | ALS | ALS | ALS | ALS | ALS | ALS | STANTEC | ALS | ALS | ALS | ALS | ALS | ALS | STANTEC |
| Laboratory Work Order | | | | | FIELD2025 | WP2502936 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521634 | FIELD2025 | WP2502751 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | FIELD2025 |
| Laboratory Sample ID | | | | | FIELD | WP2502936-002 | WP2503851-014 | WP2505523-008 | WP2507298-014 | WP2518837-005 | WP2520511-005 | WP2521634-006 | FIELD | WP2502751-005 | WP2503851-001 | WP2505523-001 | WP2507298-001 | WP2518837-003 | WP2520511-003 | FIELD |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | | | |
| **Field Parameters** | | | | | | | | | | | | | | | | | | | | |
| Dissolved Oxygen, Field | mg/L | $>6.0^{BC}$ | $>6.5_{VAR}^{E}$ | n/v | 11 | 7.95 | **2.66**$^{BCE}$ | **4.34**$^{BCE}$ | 12.97 | 12.11 | 14.5 | 14.03 | **5.95**$^{BCE}$ | **4.71**$^{BCE}$ | **1.58**$^{BCE}$ | **3.75**$^{BCE}$ | 10.87 | 11.55 | 7.6 | - |
| Electrical Conductivity, Field | mS/cm | n/v | n/v | n/v | 90.1 | 105.8 | 82.2 | 124.1 | 97.3 | 82.9 | 87.7 | 87.1 | 115.1 | 217.5 | 125.8 | 145.2 | 171.8 | 170 | 106.2 | - |
| Oxidation Reduction Potential, field | mV | n/v | n/v | n/v | 67.9 | 6.1 | -76.9 | -30.7 | 40.4 | 76.2 | 83.8 | 114.1 | 168.7 | 163.4 | 168.5 | 169.3 | 31.1 | 144.1 | 94.5 | - |
| pH, Field | S.U. | $6.5\text{-}9.0^{C}$ | $6.5\text{-}9.0^{E}$ | n/v | 7.89 | 7.34 | 7.01 | 7 | 7.77 | 7.97 | 7.64 | 7.5 | 7.31 | 7.11 | 7.03 | 6.6 | 7.88 | 8.04 | 7.3 | 7.4 |
| Specific Conductance, Field | µS/cm | n/v | n/v | n/v | - | 197.9 | 155.2 | 229.7 | 126.2 | 137.8 | 161.2 | 164.8 | - | 364.4 | 239.8 | 268.5 | 247.6 | 262.8 | 193.7 | - |
| Temperature, Field | deg C | n/v | n/v | n/v | 0.3 | 0.5 | 0.3 | 1 | 13.0 | 4.139 | 1.113 | 0.324 | 1.36 | 3.917 | 1.238 | 0.958 | 8.979 | 6.507 | 1.34 | - |
| Total Dissolved Solids, Field | mg/L | n/v | n/v | n/v | 111.00 | 131.00 | 100.75 | 148.85 | 81.90 | 90 | 105 | 107 | 135.18 | 237.74 | 155.398 | 175 | 161 | 171 | 126 | - |
| Turbidity, Field | NTU | n/v | n/v | n/v | 0.62 | 1.62 | 3.17 | 5.09 | 2.22 | - | 0.4 | 0 | - | - | 1.28 | - | - | - | 0 | - |
| **General Chemistry** | | | | | | | | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | n/v | n/v | n/v | - | 10.5 | 8.8 | 3.9 | 2.6 | 2.4 | <2.0 | <2.0 | - | 3.3 | 6.3 | 3.0 | <2.0 | 2.8 | 2.9 | - |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | n/v | n/v | n/v | - | 105 | 107 | 92.3 | 73.4 | 68.5 | 79.2 | 85.0 | - | 130 | 154 | 130 | 112 | 117 | 87.4 | - |
| Alkalinity, Carbonate (as CaCO3) | mg/L | n/v | n/v | n/v | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | - |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | n/v | n/v | n/v | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | - |
| Alkalinity, Phenolphthalein | mg/L | n/v | n/v | n/v | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | - |
| Alkalinity, Total (as CaCO3) | mg/L | n/v | n/v | n/v | - | 105 | 107 | 92.3 | 73.4 | 68.5 | 79.2 | 85.0 | - | 130 | 154 | 130 | 112 | 117 | 87.4 | - |
| Ammonia (as N) | mg/L | $\text{Equation*}_{TBC}^{BC}$ | $0.0173/190_{TBC2}^{E}$ | n/v | - | 0.0906 | 0.142 | 0.0212 | 0.0130 | 0.0068 | 0.0153 | 0.0301 | - | 0.0065 | 0.0068 | 0.0263 | 0.0076 | 0.0170 | 0.0222 | - |
| MSOG Ammonia Guideline (Chronic) | | | | | - | 4.94 | 5.89 | 5.91 | 3.30 | 2.54 | 3.82 | 4.36 | - | 5.64 | 5.84 | 6.57 | 2.87 | 2.30 | 5.08 | - |
| CCME Ammonia Guideline (Chronic) | | | | | - | 6.02 | 19.00 | 12.58 | 0.59 | 1.27 | 1.27 | 6.02 | - | 3.98 | 12.58 | 19.00 | 0.86 | 0.86 | 3.98 | - |
| Bromide | mg/L | n/v | n/v | n/v | - | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | - | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | - |
| Chloride | mg/L | n/v | $640^{D}$ $120^{E}$ | n/v | - | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | - | <0.50 | 0.53 | <0.50 | <0.50 | <0.50 | <0.50 | - |
| Cyanate | mg/L | n/v | n/v | n/v | - | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | - | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | - |
| Cyanide | mg/L | $0.022/0.0052_{s1}^{C}$ | $0.005^{E}$ | n/v | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | - |
| Cyanide (Free) | mg/L | $0.022/0.0052_{s1}^{B}$ | $0.005^{E}$ | n/v | - | <0.0010 | <0.0010 | 0.0011 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | - |
| Cyanide (Weak Acid Dissociable) | mg/L | n/v | $0.005^{E}$ | n/v | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0013 | - |
| Dissolved Organic Carbon (DOC) | mg/L | n/v | n/v | n/v | - | 17.2 | 16.1 | 16.8 | 15.5 | 16.8 | 17.2 | 19.1 | - | 8.07 | 6.51 | 14.9 | 9.67 | 10 | 14.8 | - |
| Electrical Conductivity, Lab | µS/cm | n/v | n/v | n/v | - | 199 | 202 | 179 | 150 | 142 | 158 | 161 | - | 320 | 351 | 266 | 266 | 265 | 187 | - |
| Fluoride | mg/L | n/v | $0.12^{E}$ | n/v | - | 0.084 | 0.081 | 0.078 | 0.060 | 0.054 | 0.069 | 0.078 | - | 0.092 | 0.104 | 0.090 | 0.085 | 0.070 | 0.067 | - |
| Hardness (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | - | - | 74.8 | 89.1 | 92.1 | - | - | - | - | - | 131 | 87.2 | - |
| Hardness (as CaCO3), dissolved | mg/L | n/v | n/v | n/v | - | 102 | 102 | 97.2 | 78.3 | 70.3 | 78.0 | 86.6 | - | 154 | 173 | 129 | 126 | 125 | 100 | - |
| Nitrate (as N) | mg/L | $13^{C}$ | $124^{D}$ $3.0^{E}$ | n/v | - | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | - | 0.063 | 0.078 | 0.050 | <0.020 | 0.029 | 0.074 | - |
| Nitrate + Nitrite (as N) | mg/L | $10^{B}$ $10^{C}$ | n/v | n/v | - | <0.0224 | <0.0224 | <0.0224 | <0.0224 | <0.022 | <0.022 | <0.022 | - | 0.0630 | 0.0780 | 0.0500 | <0.0224 | 0.0290 | 0.0740 | - |
| Nitrite (as N) | mg/L | $0.06^{C}$ | $0.06^{E}$ | n/v | - | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | - | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | - |
| pH, lab | S.U. | $6.5\text{-}9.0^{C}$ | $6.5\text{-}9.0^{E}$ | n/v | - | 7.53 | 8.08 | 7.43 | 8.04 | 7.95 | 7.83 | 7.66 | - | 7.79 | 7.74 | 7.75 | 8.25 | 8.13 | 7.57 | - |
| Phosphorus, Total | mg/L | $0.025^{A}$ | n/v | n/v | - | 0.0164 | **0.0266**$^{A}$ | **0.0405**$^{A}$ | 0.0189 | 0.0119 | 0.0140 | 0.0102 | - | 0.0074 | 0.0045 | 0.0132 | 0.0072 | 0.0057 | 0.0094 | - |
| Phosphorus, Total (Dissolved) | mg/L | n/v | n/v | n/v | - | 0.0097 | 0.0102 | 0.0022 | 0.0066 | 0.0050 | 0.0052 | 0.0126 | - | - | 0.0043 | 0.0104 | 0.0036 | 0.0033 | 0.0046 | - |
| Sulfate | mg/L | n/v | n/v | n/v | - | 4.60 | 4.92 | 3.66 | 3.38 | 2.71 | 3.88 | 3.86 | - | 38.9 | 43.0 | 19.2 | 28.9 | 25.0 | 9.74 | - |
| Thiocyanate | mg/L | n/v | n/v | n/v | - | <0.50 SFT | <0.50 SFT | 0.64 | <0.50 | 0.56 | <0.50 | 0.59 | - | <0.50 | 5.73 | 0.60 | <0.50 | <0.50 | <0.50 | - |
| Total Dissolved Solids | mg/L | n/v | n/v | n/v | - | 127 | 139 | 135 | 98.9 | 110 | 110 | 99.0 | - | 193 | 223 | 194 | 144 | 144 | 121 | - |
| Total Kjeldahl Nitrogen | mg/L | n/v | n/v | n/v | - | 0.669 | 0.706 | 0.731 | 0.475 | 0.530 | 0.626 | 0.546 | - | 0.237 | 0.205 | 0.458 | 0.306 | 0.324 | 0.434 | - |
| Total Organic Carbon | mg/L | n/v | n/v | n/v | - | 18.3 | 17.1 | 17.2 | 15.3 | 15.9 | 17.7 | 19.4 | - | 7.47 | 6.71 | 13.8 | 8.37 | 9.45 | 14.3 | - |
| Total Suspended Solids | mg/L | $_{SN}^{BC}$ | $_{SN}^{E}$ | n/v | - | <1.0 | 3.2 | 8.8 | 1.1 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | 1.2 | <1.0 | <1.0 | <1.0 | - |
| Turbidity, Lab | NTU | n/v | n/v | n/v | - | 0.37 | 4.22 | 4.14 | 1.54 | 0.72 | 0.60 | 0.39 | - | 0.12 | 0.82 | 0.88 | 0.85 | 0.47 | 0.34 | - |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQF2 - Surface | | | | | | | | AQF4 - Surface | | | | | | | |
| Sample Date | | | | | 22-Jan-25 | 28-Feb-25 | 19-Mar-25 | 23-Apr-25 | 22-May-25 | 22-Oct-25 | 22-Nov-25 | 16-Dec-25 | 25-Jan-25 | 25-Feb-25 | 18-Mar-25 | 23-Apr-25 | 21-May-25 | 21-Oct-25 | 22-Nov-25 | 16-Dec-25 |
| Sample ID | | | | | AQF2 | AQF2 | AQF2 | AQF2 | AQF2 | AQF2 | AQF2 | AQF2 | AQF4 - Surface | AQF4 - 10 | AQF4 - Surface | AQF4 - surface | AQF4-surface | AQF4-surface | AQF4 - Surface | AQF4 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | STANTEC | ALS | ALS | ALS | ALS | ALS | ALS | ALS | STANTEC | ALS | ALS | ALS | ALS | ALS | ALS | STANTEC |
| Laboratory Work Order | | | | | FIELD2025 | WP2502936 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521634 | FIELD2025 | WP2502751 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | FIELD2025 |
| Laboratory Sample ID | | | | | FIELD | WP2502936-002 | WP2503851-014 | WP2505523-008 | WP2507298-014 | WP2518837-005 | WP2520511-005 | WP2521634-006 | FIELD | WP2502751-005 | WP2503851-001 | WP2505523-001 | WP2507298-001 | WP2518837-003 | WP2520511-003 | FIELD |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | | | |
| **Metals, Dissolved** | | | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | n/v | n/v | n/v | - | 0.0049 | 0.0062 | 0.0060 | 0.0069 | 0.0040 | 0.0061 | 0.0058 | - | <0.0010 | <0.0010 | 0.0085 | 0.0021 | 0.0018 | 0.0060 | - |
| Antimony | mg/L | n/v | n/v | n/v | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | <0.00010 | 0.00013 | <0.00010 | <0.00010 | <0.00010 | - |
| Arsenic | mg/L | 0.34/0.15$_{s2}^{BC}$ | n/v | n/v | - | 0.00040 | 0.00040 | 0.00044 | 0.00036 | 0.00028 | 0.00040 | 0.00031 | - | 0.00167 | 0.00155 | 0.00177 | 0.00138 | 0.00185 | 0.00153 | - |
| Barium | mg/L | n/v | n/v | n/v | - | 0.0177 | 0.0239 | 0.0231 | 0.0110 | 0.00758 | 0.00863 | 0.00897 | - | 0.0130 | 0.0164 | 0.0185 | 0.0123 | 0.0128 | 0.0133 | - |
| Beryllium | mg/L | n/v | n/v | n/v | - | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | - | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | - |
| Bismuth | mg/L | n/v | n/v | n/v | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | - |
| Boron | mg/L | n/v | n/v | n/v | - | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | 0.015 | <0.010 | - | 0.015 | 0.013 | <0.010 | <0.010 | 0.011 | 0.011 | - |
| Cadmium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | - | <0.0000050 | <0.0000050 | 0.0000130 | <0.0000050 | <0.0000050 | <0.0000050 | - |
| MSOG Cadmium Guideline (Chronic) | | | | | - | 0.00025 | 0.00025 | 0.00024 | 0.00021 | 0.00020 | 0.00023 | 0.00023 | - | 0.00033 | 0.00036 | 0.00029 | 0.00029 | 0.00030 | 0.00025 | - |
| MSOG Cadmium Guideline (Acute) | | | | | - | 0.00205 | 0.00205 | 0.00196 | 0.00159 | 0.00152 | 0.00180 | 0.00186 | - | 0.00306 | 0.00343 | 0.00258 | 0.00252 | 0.00262 | 0.00201 | - |
| Calcium | mg/L | n/v | n/v | n/v | - | 28.4 | 29.2 | 27.8 | 21.9 | 19.7 | 24.9 | 24.1 | - | 42.7 | 47.5 | 36.0 | 34.6 | 34.9 | 28.1 | - |
| Cesium | mg/L | n/v | n/v | n/v | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - | 0.000196 | 0.000224 | 0.000141 | 0.000146 | 0.000174 | 0.000106 | - |
| Chromium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - |
| MSOG Chromium Guideline (Chronic) | | | | | - | 0.00892 | 0.00892 | 0.00871 | 0.00782 | 0.00764 | 0.00834 | 0.00848 | - | 0.01095 | 0.01160 | 0.01002 | 0.00991 | 0.01010 | 0.00883 | - |
| Cobalt | mg/L | n/v | n/v | n/v | - | <0.00010 | 0.00018 | 0.00019 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | <0.00010 | 0.00021 | <0.00010 | <0.00010 | <0.00010 | - |
| Copper | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s2}^{F}$ | - | 0.00144 RRV | <0.00020 | 0.00030 | <0.00020 | <0.00020 | <0.00020 | 0.00060 | - | 0.00058 | 0.00156 RRV | 0.00146 | 0.00056 | 0.00101 | 0.00134 | - |
| MSOG Copper Guideline (Chronic) | | | | | - | 0.00911 | 0.00911 | 0.00874 | 0.00727 | 0.00699 | 0.00811 | 0.00835 | - | 0.01295 | 0.01431 | 0.01113 | 0.01091 | 0.01128 | 0.00896 | - |
| MSOG Copper Guideline (Acute) | | | | | - | 0.0137 | 0.0137 | 0.0131 | 0.0107 | 0.0102 | 0.0121 | 0.0124 | - | 0.0202 | 0.0225 | 0.0171 | 0.0167 | 0.0173 | 0.0134 | - |
| FEQG Copper Guideline (Chronic) | | | | | - | 0.0143 | 0.0080 | 0.0081 | 0.0193 | 0.0225 | 0.0186 | 0.0185 | - | 0.0055 | 0.0040 | 0.0035 | 0.0144 | 0.0160 | 0.0116 | - |
| Iron | mg/L | n/v | n/v | n/v | - | 0.233 | 0.943 | 1.07 | 0.570 | 0.072 | 0.083 | 0.085 | - | <0.010 | <0.010 | 0.086 | 0.020 | <0.010 | 0.030 | - |
| Lead | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s3}^{F}$ | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000060 | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | - |
| MSOG Lead Guideline (Chronic) | | | | | - | 0.00257 | 0.00257 | 0.00244 | 0.00193 | 0.00183 | 0.00222 | 0.00230 | - | 0.00401 | 0.00455 | 0.00332 | 0.00323 | 0.00337 | 0.00252 | - |
| MSOG Lead Guideline (Acute) | | | | | - | 0.06599 | 0.06599 | 0.06261 | 0.04943 | 0.04701 | 0.05694 | 0.05904 | - | 0.10300 | 0.11666 | 0.08512 | 0.08298 | 0.08654 | 0.06458 | - |
| FEQG Lead Guideline (Chronic) | | | | | - | 0.0179 | 0.0173 | 0.0175 | 0.0161 | 0.0166 | 0.0174 | 0.0185 | - | 0.0133 | 0.0122 | 0.0175 | 0.0140 | 0.0143 | 0.0165 | - |
| Lithium | mg/L | n/v | n/v | n/v | - | 0.0018 | 0.0011 | 0.0021 | 0.0012 | 0.0017 | 0.0025 | 0.0023 | - | 0.0031 | 0.0032 | 0.0025 | 0.0020 | 0.0023 | 0.0022 | - |
| Magnesium | mg/L | n/v | n/v | n/v | - | 7.59 | 7.02 | 6.76 | 5.73 | 5.13 | 6.55 | 6.42 | - | 11.6 | 13.3 | 9.52 | 9.72 | 9.27 | 7.26 | - |
| Manganese | mg/L | n/v | Equation*$_{EQ3,EQ4}^{DE}$ | n/v | - | 0.316 | **0.872$^{E}$** | **0.911$^{E}$** | 0.00884 | 0.00129 | 0.00334 | 0.00610 | - | 0.00629 | 0.0525 | 0.286 | 0.0482 | 0.0410 | 0.00661 | - |
| CCME Manganese Guideline (Chronic) | | | | | - | 0.370 | 0.530 | 0.590 | 0.590 | 0.320 | 0.350 | 0.440 | - | 0.600 | 0.700 | 0.710 | 0.710 | 0.390 | 0.370 | - |
| CCME Manganese Guideline (Acute) | | | | | - | 6.773 | 6.773 | 6.493 | 5.370 | 5.159 | 6.015 | 6.192 | - | 9.725 | 10.771 | 8.324 | 8.154 | 8.437 | 6.656 | - |
| Mercury | mg/L | n/v | n/v | n/v | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | - |
| Methyl Mercury | µg/L | n/v | n/v | n/v | - | 0.000140 | 0.000473 | 0.00111 | 0.000274 | 0.000160 | 0.000157 | - | - | <0.000020 | 0.000023 | <0.000080 DLM | <0.000800 DLM | - | - | - |
| Molybdenum | mg/L | n/v | n/v | n/v | - | 0.000172 | 0.000165 | 0.000136 | 0.000090 | 0.000092 | 0.000120 | 0.000130 | - | 0.000430 | 0.000572 | 0.000284 | 0.000300 | 0.000356 | 0.000177 | - |
| Nickel | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | <0.00050 | 0.00057 | 0.00138 | 0.00056 | 0.00061 | 0.00109 | - |
| MSOG Nickel Guideline (Chronic) | | | | | - | 0.053 | 0.053 | 0.051 | 0.042 | 0.041 | 0.047 | 0.049 | - | 0.075 | 0.083 | 0.065 | 0.063 | 0.065 | 0.052 | - |
| MSOG Nickel Guideline (Acute) | | | | | - | 0.476 | 0.476 | 0.457 | 0.381 | 0.366 | 0.425 | 0.437 | - | 0.675 | 0.744 | 0.581 | 0.569 | 0.588 | 0.468 | - |
| Phosphorus | mg/L | n/v | n/v | n/v | - | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | - | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | - |
| Potassium | mg/L | n/v | n/v | n/v | - | 1.29 | 1.24 | 1.25 | 1.19 | 0.770 | 0.933 | 1.01 | - | 3.24 | 3.55 | 2.32 | 2.58 | 2.79 | 1.40 | - |
| Rubidium | mg/L | n/v | n/v | n/v | - | 0.00125 | 0.00111 | 0.00101 | 0.00096 | 0.00086 | 0.00098 | 0.00100 | - | 0.00308 | 0.00338 | 0.00240 | 0.00252 | 0.00285 | 0.00141 | - |
| Selenium | mg/L | n/v | n/v | n/v | - | 0.000074 | 0.000184 | 0.000053 | <0.000050 | <0.000050 | <0.000050 | 0.000056 | - | 0.000060 | <0.000050 | 0.000067 | 0.000094 | <0.000050 | <0.000050 | - |
| Silicon | mg/L | n/v | n/v | n/v | - | 2.60 | 3.03 | 3.07 | 2.95 | 2.34 | 2.90 | 3.16 | - | 3.64 | 4.04 | 3.14 | 2.91 | 2.89 | 2.79 | - |
| Silver | mg/L | n/v | n/v | n/v | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - |
| Sodium | mg/L | n/v | n/v | n/v | - | 2.74 | 2.54 | 2.45 | 1.97 | 1.89 | 2.80 | 2.34 | - | 4.98 | 4.78 | 4.97 | 3.71 | 3.57 | 2.78 | - |
| Strontium | mg/L | n/v | n/v | 2.5$^{F}$ | - | 0.0501 | 0.0528 | 0.0488 | 0.0344 | 0.0351 | 0.0393 | 0.0410 | - | 0.0959 | 0.102 | 0.0738 | 0.0771 | 0.0777 | 0.0460 | - |
| Sulfur | mg/L | n/v | n/v | n/v | - | 1.88 | 1.43 | 1.50 | 1.48 | 1.25 | 1.98 | 1.60 | - | 13.8 | 13.5 | 6.50 | 10.1 | 8.26 | 3.70 | - |
| Tellurium | mg/L | n/v | n/v | n/v | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | - |
| Thallium | mg/L | n/v | n/v | n/v | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - |
| Thorium | mg/L | n/v | n/v | n/v | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - |
| Tin | mg/L | n/v | n/v | n/v | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | 0.00032 | 0.00072 RRV | 0.00031 RRV | 0.00036 RRV | <0.00010 | 0.00011 | - |
| Titanium | mg/L | n/v | n/v | n/v | - | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | - | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | - |
| Tungsten | mg/L | n/v | n/v | n/v | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - |
| Uranium | mg/L | n/v | n/v | n/v | - | 0.000038 | 0.000048 | 0.000041 | 0.000031 | 0.000018 | 0.000021 | 0.000019 | - | 0.000615 | 0.000956 | 0.000309 | 0.000417 | 0.000345 | 0.000128 | - |
| Vanadium | mg/L | n/v | n/v | n/v | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - |
| Zinc | mg/L | Equation*$_{s5}^{BC}$ | Equation*$_{EQ1,EQ2}^{DE}$ | n/v | - | 0.0026 | 0.0011 | 0.0018 | <0.0010 | 0.0020 | 0.0015 | 0.0021 | - | <0.0010 | 0.0033 | 0.0030 | <0.0010 | 0.0012 | 0.0010 | - |
| MSOG Zinc Guideline (Chronic) | | | | | - | 0.120 | 0.120 | 0.115 | 0.096 | 0.092 | 0.107 | 0.110 | - | 0.170 | 0.188 | 0.147 | 0.144 | 0.149 | 0.118 | - |
| MSOG Zinc Guideline (Acute) | | | | | - | 0.119 | 0.119 | 0.114 | 0.095 | 0.092 | 0.106 | 0.109 | - | 0.169 | 0.186 | 0.145 | 0.143 | 0.147 | 0.117 | - |
| CCME Zinc Guideline (Chronic) | | | | | - | 0.055 | 0.034 | 0.056 | 0.027 | 0.029 | 0.038 | 0.046 | - | 0.048 | 0.052 | 0.054 | 0.029 | 0.034 | 0.049 | - |
| CCME Zinc Guideline (Acute) | | | | | - | 0.158 | 0.155 | 0.151 | 0.123 | 0.121 | 0.141 | 0.149 | - | 0.185 | 0.194 | 0.185 | 0.164 | 0.171 | 0.150 | - |
| Zirconium | mg/L | n/v | n/v | n/v | - | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | - | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | - |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Location** | | | | | **AQF2 - Surface** | | | | | | | | **AQF4 - Surface** | | | | | | | |
| **Sample Date** | | | | | **22-Jan-25** | **28-Feb-25** | **19-Mar-25** | **23-Apr-25** | **22-May-25** | **22-Oct-25** | **22-Nov-25** | **16-Dec-25** | **25-Jan-25** | **25-Feb-25** | **18-Mar-25** | **23-Apr-25** | **21-May-25** | **21-Oct-25** | **22-Nov-25** | **16-Dec-25** |
| **Sample ID** | | | | | **AQF2** | **AQF2** | **AQF2** | **AQF2** | **AQF2** | **AQF2** | **AQF2** | **AQF2** | **AQF4 - Surface** | **AQF4 - 10** | **AQF4 - Surface** | **AQF4 - surface** | **AQF4-surface** | **AQF4-surface** | **AQF4 - Surface** | **AQF4** |
| **Sampling Company** | | | | | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** |
| **Laboratory** | | | | | **STANTEC** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **STANTEC** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **STANTEC** |
| **Laboratory Work Order** | | | | | **FIELD2025** | **WP2502936** | **WP2503851** | **WP2505523** | **WP2507298** | **WP2518837** | **WP2520511** | **WP2521634** | **FIELD2025** | **WP2502751** | **WP2503851** | **WP2505523** | **WP2507298** | **WP2518837** | **WP2520511** | **FIELD2025** |
| **Laboratory Sample ID** | | | | | **FIELD** | **WP2502936-002** | **WP2503851-014** | **WP2505523-008** | **WP2507298-014** | **WP2518837-005** | **WP2520511-005** | **WP2521634-006** | **FIELD** | **WP2502751-005** | **WP2503851-001** | **WP2505523-001** | **WP2507298-001** | **WP2518837-003** | **WP2520511-003** | **FIELD** |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** | | | | | | | | | | | | | | | | |
| **Metals, Total** | | | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | $0.005/0.1_{VAR}^{C}$ | $0.005/0.1_{VAR1}^{E}$ | Equation*$_{s1}^{F}$ | - | 0.0076 | 0.0104 | 0.0209 | 0.0145 | 0.0087 | 0.0087 | 0.0084 | - | <0.0030 | <0.0030 | 0.0262 | 0.0088 | 0.0079 | 0.0088 | - |
| **FEQG Aluminum Guideline (Chronic)** | | | | | - | 1.3 | 1.0 | 1.0 | 1.7 | 2.0 | 1.5 | 1.4 | - | 0.92 | 0.79 | 0.84 | 1.6 | 1.8 | 1.2 | - |
| Antimony | mg/L | n/v | n/v | n/v | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | <0.00010 | 0.00011 | <0.00010 | <0.00010 | <0.00010 | - |
| Arsenic | mg/L | n/v | $0.005^{E}$ | n/v | - | 0.00049 | 0.00041 | 0.00041 | 0.00036 | 0.00029 | 0.00029 | 0.00035 | - | 0.00174 | 0.00159 | 0.00194 | 0.00143 | 0.00195 | 0.00139 | - |
| Barium | mg/L | n/v | n/v | n/v | - | 0.0200 | 0.0264 | 0.0225 | 0.0121 | 0.00780 | 0.00855 | 0.00964 | - | 0.0134 | 0.0141 | 0.0190 | 0.0135 | 0.0128 | 0.0136 | - |
| Beryllium | mg/L | n/v | n/v | n/v | - | 0.000030 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | - | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | - |
| Bismuth | mg/L | n/v | n/v | n/v | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | - |
| Boron | mg/L | $29/1.5_{s3}^{C}$ | $29^{D}$ $1.5^{E}$ | n/v | - | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | - | 0.015 | 0.016 | 0.022 | <0.010 | 0.011 | <0.010 | - |
| Cadmium | mg/L | n/v | $0.001_{STB}^{D}$ $0.00009_{LTG}^{E}$ | n/v | - | 0.0000448 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | - | <0.0000050 | <0.0000050 | 0.0000099 | <0.0000050 | <0.0000050 | <0.0000050 | - |
| **CCME Cadmium Guideline (Chronic)** | | | | | - | 0.00016 | 0.00016 | 0.00015 | 0.00013 | 0.00012 | 0.00014 | 0.00015 | 0.00004 | 0.00023 | 0.00025 | 0.00020 | 0.00019 | 0.00020 | 0.00016 | 0.00004 |
| **CCME Cadmium Guideline (Acute)** | | | | | - | 0.00214 | 0.00214 | 0.00204 | 0.00164 | 0.00156 | 0.00187 | 0.00193 | 0.00011 | 0.00325 | 0.00366 | 0.00272 | 0.00265 | 0.00276 | 0.00210 | 0.00011 |
| Calcium | mg/L | n/v | n/v | n/v | - | 29.5 | 28.5 | 24.9 | 21.0 | 21.2 | 20.8 | 25.9 | - | 39.0 | 49.1 | 36.1 | 34.4 | 37.1 | 23.3 | - |
| Cesium | mg/L | n/v | n/v | n/v | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - | 0.000202 | 0.000204 | 0.000156 | 0.000156 | 0.000179 | 0.000095 | - |
| Chromium | mg/L | n/v | n/v | n/v | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 RRV | <0.00050 | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - |
| Chromium (Hexavalent) | mg/L | n/v | $0.001^{E}$ | $0.005^{F}$ | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | 0.00094 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - |
| Cobalt | mg/L | n/v | n/v | Equation*$_{s4}^{F}$ | - | 0.00010 | 0.00020 | 0.00021 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | <0.00010 | 0.00022 | <0.00010 | <0.00010 | <0.00010 | - |
| **FEQG Cobalt Guideline (Chronic)** | | | | | - | 0.0010 | 0.0010 | 0.0010 | 0.0009 | 0.0009 | 0.0010 | 0.0010 | - | 0.0012 | 0.0013 | 0.0011 | 0.0011 | 0.0011 | 0.0010 | - |
| Copper | mg/L | n/v | Equation*$_{EQ6}^{E}$ | n/v | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | 0.00059 | 0.00060 | 0.00141 | 0.00066 | 0.00067 | 0.00155 | - |
| **CWQG Copper Guideline (Chronic)** | | | | | - | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 0.004 | 0.003 | 0.003 | 0.003 | 0.002 | 0.002 |
| Iron | mg/L | $0.3^{C}$ | $0.3^{E}$ | Equation*$_{s5}^{F}$ | - | 0.275 | **1.23**$^{CEF}$ | **1.48**$^{CEF}$ | **0.898**$^{CEF}$ | 0.130 | 0.114 | 0.113 | - | <0.010 | 0.042 | 0.149 | 0.076 | 0.028 | 0.047 | - |
| **FEQG Iron Guideline (Chronic)** | | | | | - | 0.80 | 0.80 | 0.80 | 0.78 | 0.76 | 0.79 | 0.80 | - | 0.67 | 0.58 | 0.79 | 0.72 | 0.73 | 0.80 | - |
| Lead | mg/L | n/v | Equation*$_{EQ5}^{E}$ | n/v | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | - | <0.000050 | <0.000050 | 0.000061 | <0.000050 | <0.000050 | <0.000050 | - |
| **CWQG Lead Guideline (Chronic)** | | | | | - | 0.003 | 0.003 | 0.003 | 0.002 | 0.002 | 0.003 | 0.003 | 0.001 | 0.006 | 0.006 | 0.004 | 0.004 | 0.004 | 0.003 | 0.001 |
| Lithium | mg/L | n/v | n/v | n/v | - | 0.0021 | 0.0018 | 0.0013 | 0.0012 | 0.0018 | 0.0017 | 0.0030 | - | 0.0026 | 0.0032 | 0.0020 | 0.0018 | 0.0023 | 0.0012 | - |
| Magnesium | mg/L | n/v | n/v | n/v | - | 7.93 | 7.33 | 6.28 | 5.25 | 5.32 | 6.32 | 6.66 | - | 11.7 | 14.0 | 9.67 | 9.30 | 9.41 | 7.05 | - |
| Manganese | mg/L | n/v | n/v | n/v | - | 0.320 | 1.01 | 0.859 | 0.0382 | 0.00725 | 0.00435 | 0.00789 | - | 0.00962 | 0.0971 | 0.290 | 0.0678 | 0.0573 | 0.00765 | - |
| Mercury | mg/L | $0.000026^{C}$ | $0.000026^{E}$ | n/v | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | - |
| Methyl Mercury | µg/L | n/v | $0.004^{E}$ | n/v | - | 0.000123 | 0.000650 | 0.000987 | 0.000297 | 0.000171 | 0.000178 | - | - | <0.000020 | 0.000024 | 0.000115 | <0.000080 DLM | - | - | - |
| Molybdenum | mg/L | $0.073^{C}$ | $0.073^{E}$ | n/v | - | 0.000140 | 0.000151 | 0.000117 | 0.000090 | 0.000130 | 0.000108 | 0.000125 | - | 0.000436 | 0.000544 | 0.000283 | 0.000306 | 0.000373 | 0.000157 | - |
| Nickel | mg/L | n/v | Equation*$_{EQ7}^{E}$ | n/v | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | 0.00063 | 0.00054 | 0.00139 | 0.00058 | 0.00061 | 0.00116 | - |
| **CWQG Nickel Guideline (Chronic)** | | | | | - | 0.097 | 0.097 | 0.094 | 0.079 | 0.077 | 0.088 | 0.090 | 0.025 | 0.133 | 0.145 | 0.116 | 0.114 | 0.117 | 0.096 | 0.025 |
| Phosphorus | mg/L | n/v | n/v | n/v | - | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | - | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | - |
| Potassium | mg/L | n/v | n/v | n/v | - | 1.26 | 1.21 | 1.21 | 1.15 | 0.796 | 0.925 | 0.986 | - | 3.60 | 3.40 | 2.42 | 2.62 | 2.84 | 1.42 | - |
| Rubidium | mg/L | n/v | n/v | n/v | - | 0.00118 | 0.00114 | 0.00111 | 0.00110 | 0.00087 | 0.00102 | 0.00105 | - | 0.00314 | 0.00306 | 0.00247 | 0.00256 | 0.00303 | 0.00141 | - |
| Selenium | mg/L | $0.001^{C}$ | $0.001^{E}$ | n/v | - | <0.000050 | 0.000080 DTSE | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | - | 0.000074 | 0.000085 | <0.000050 | <0.000050 | <0.000050 | 0.000062 | - |
| Silicon | mg/L | n/v | n/v | n/v | - | 2.72 | 3.25 | 2.92 | 2.90 | 2.42 | 2.94 | 3.18 | - | 3.48 | 4.30 | 3.21 | 3.00 | 2.95 | 2.77 | - |
| Silver | mg/L | $0.0001^{C}$ | $0.00025^{E}$ | n/v | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - |
| Sodium | mg/L | n/v | n/v | n/v | - | 2.70 | 2.56 | 2.34 | 1.78 | 1.94 | 2.22 | 2.85 | - | 4.89 | 5.42 | 4.35 | 3.71 | 3.51 | 2.87 | - |
| Strontium | mg/L | n/v | n/v | n/v | - | 0.0535 | 0.0562 | 0.0495 | 0.0352 | 0.0346 | 0.0378 | 0.0439 | - | 0.0939 | 0.108 | 0.0749 | 0.0727 | 0.0793 | 0.0444 | - |
| Sulfur | mg/L | n/v | n/v | n/v | - | 2.41 | 1.92 | 1.21 | 1.23 | 1.32 | 1.69 | 1.55 | - | 13.6 | 15.3 | 6.45 | 9.60 | 9.29 | 3.59 | - |
| Tellurium | mg/L | n/v | n/v | n/v | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | - |
| Thallium | mg/L | $0.0008^{C}$ | $0.0008^{E}$ | n/v | - | 0.000013 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - |
| Thorium | mg/L | n/v | n/v | n/v | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - |
| Tin | mg/L | n/v | n/v | n/v | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | 0.00017 | 0.00045 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - |
| Titanium | mg/L | n/v | n/v | n/v | - | <0.00030 | 0.00034 | 0.00086 | 0.00066 | 0.00032 | 0.00033 | <0.00030 | - | <0.00030 | <0.00030 | 0.00065 | 0.00039 | 0.00033 | <0.00030 | - |
| Tungsten | mg/L | n/v | n/v | n/v | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - |
| Uranium | mg/L | $0.033/0.015_{s4}^{C}$ | $0.033^{D}$ $0.015^{E}$ | n/v | - | 0.000049 | 0.000054 | 0.000041 | 0.000035 | 0.000018 | 0.000021 | 0.000022 | - | 0.000618 | 0.000842 | 0.000320 | 0.000428 | 0.000368 | 0.000151 | - |
| Vanadium | mg/L | n/v | n/v | $0.12^{F}$ | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - |
| Zinc | mg/L | n/v | n/v | n/v | - | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | 0.0068 | - | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | - |
| Zirconium | mg/L | n/v | n/v | n/v | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | - |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| **Area** | | | | | **Gordon Site** | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Location** | | | | | | | | **AQF4 - Deep** | | | | | | | | **AQF6 - Surface** | | | |
| **Sample Date** | | | | | **25-Jan-25** | **25-Feb-25** | **18-Mar-25** | **23-Apr-25** | **21-May-25** | **21-Oct-25** | **22-Nov-25** | **25-Jan-25** | **25-Feb-25** | **18-Mar-25** | **23-Apr-25** | **22-May-25** | **21-Oct-25** | **22-Nov-25** | **16-Dec-25** |
| **Sample ID** | | | | | **AQF4 - Deep** | **AQF4 - 41** | **AQF4 - Deep** | **AQF4-40** | **AQF4-deep** | **AQF4-deep** | **AQF4- Deep** | **AQF6 - Surface** | **AQF6 - 10** | **AQF6 - Surface** | **AQF6 - surface** | **AQF6-surface** | **AQF6-surface** | **AQF6 - Surface** | **AQF6** |
| **Sampling Company** | | | | | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** |
| **Laboratory** | | | | | **STANTEC** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **STANTEC** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **STANTEC** |
| **Laboratory Work Order** | | | | | **FIELD2025** | **WP2502751** | **WP2503851** | **WP2505523** | **WP2507298** | **WP2518837** | **WP2520511** | **FIELD2025** | **WP2502751** | **WP2503851** | **WP2505523** | **WP2507298** | **WP2518837** | **WP2520511** | **FIELD2025** |
| **Laboratory Sample ID** | | | | | **FIELD** | **WP2502751-006** | **WP2503851-002** | **WP2505523-002** | **WP2507298-002** | **WP2518837-004** | **WP2520511-004** | **FIELD** | **WP2502751-007** | **WP2503851-003** | **WP2505523-003** | **WP2507298-009** | **WP2518837-001** | **WP2520511-001** | **FIELD** |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** | | | | | | | | | | | | | | | |
| **Field Parameters** | | | | | | | | | | | | | | | | | | | |
| Dissolved Oxygen, Field | mg/L | $>6.0^{BC}$ | $>6.5_{VAR}^{E}$ | n/v | **$0.67^{BCE}$** | **$-0.46^{BCE}$** | - | **$0.01^{BCE}$** | **$0.03^{BCE}$** | **$0.91^{BCE}$** | **$0.67^{BCE}$** | 9.8 | 8.46 | **$4.51^{BCE}$** | 7.17 | 11.21 | 10.08 | 12.16 | - |
| Electrical Conductivity, Field | mS/cm | n/v | n/v | n/v | 470.2 | 477.4 | 482.5 | 475.7 | 461.9 | 476.8 | 492.2 | 157.2 | 252.5 | 156.5 | 196.2 | 237.4 | 232.3 | 220.8 | - |
| Oxidation Reduction Potential, field | mV | n/v | n/v | n/v | -97.9 | -219 | -195.2 | -187.7 | -249.6 | -89.1 | -111 | 194.4 | 98.2 | 92.2 | 122.9 | -18 | 193.9 | 242.3 | - |
| pH, Field | S.U. | $6.5\text{-}9.0^{C}$ | $6.5\text{-}9.0^{E}$ | n/v | 7.4 | 7.17 | 7.29 | 7.12 | 7.23 | 7.39 | 7.16 | 7.75 | 7.46 | 7.26 | 7.18 | 7.99 | 7.41 | 7.62 | 7.65 |
| Specific Conductance, Field | µS/cm | n/v | n/v | n/v | - | 811 | 819 | 808.1 | 786.9 | 807.1 | 834 | 290.3 | 424.5 | 293.1 | 349.3 | 336.7 | 354.7 | 388.7 | - |
| Temperature, Field | deg C | n/v | n/v | n/v | 3.55 | 3.479 | 3.48 | 3.465 | 3.378 | 3.571 | 3.544 | 0.986 | 3.79 | 0.598 | 2.049 | 9.561 | 6.925 | 2.384 | - |
| Total Dissolved Solids, Field | mg/L | n/v | n/v | n/v | 517.7 | 526.953 | 532.5 | 525 | 512 | 525 | 542 | 189 | 275.90 | 191 | 227 | 219 | 231 | 253 | - |
| Turbidity, Field | NTU | n/v | n/v | n/v | - | - | 0.86 | - | - | - | 0 | - | - | - | - | - | - | 0 | - |
| **General Chemistry** | | | | | | | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | n/v | n/v | n/v | - | 12.2 | 14.7 | 8.6 | 11.5 | 7.3 | 7.2 | - | 2.6 | 5.2 | 2.4 | <2.0 | <2.0 | 2.3 | - |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | n/v | n/v | n/v | - | 256 | 253 | 262 | 255 | 256 | 261 | - | 141 | 142 | 119 | 124 | 130 | 120 | - |
| Alkalinity, Carbonate (as CaCO3) | mg/L | n/v | n/v | n/v | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | - | <2.0 | <2.0 | <2.0 | 3.8 | <2.0 | <2.0 | - |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | n/v | n/v | n/v | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | - |
| Alkalinity, Phenolphthalein | mg/L | n/v | n/v | n/v | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | - |
| Alkalinity, Total (as CaCO3) | mg/L | n/v | n/v | n/v | - | 256 | 253 | 262 | 255 | 256 | 261 | - | 141 | 142 | 119 | 128 | 130 | 120 | - |
| Ammonia (as N) | mg/L | $\text{Equation*}_{TBC}^{BC}$ | $0.0173/190_{TBC2}^{E}$ | n/v | - | 0.251 | 0.293 | 0.251 | 0.189 | 0.261 | 0.258 | - | 0.0066 | 0.0163 | 0.0335 | 0.0077 | 0.0303 | 0.0054 | - |
| **MSOG Ammonia Guideline (Chronic)** | | | | | - | 5.48 | 5.11 | 5.61 | 5.30 | 4.77 | 5.50 | - | 4.51 | 5.21 | 5.45 | 2.47 | 4.70 | 3.90 | - |
| **CCME Ammonia Guideline (Chronic)** | | | | | - | 3.98 | 3.98 | 3.98 | 3.98 | 3.98 | 3.98 | - | 3.98 | 6.02 | 3.98 | 0.86 | 2.68 | 1.27 | - |
| Bromide | mg/L | n/v | n/v | n/v | - | <0.10 | <0.20 DLM | <0.10 | <0.10 | <0.10 | <0.10 | - | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | - |
| Chloride | mg/L | n/v | $640^{D}$ $120^{E}$ | n/v | - | 3.48 | 3.71 | 3.60 | 3.71 | 3.54 | 3.48 | - | 1.51 | 1.56 | 0.87 | 1.28 | 1.05 | 0.62 | - |
| Cyanate | mg/L | n/v | n/v | n/v | - | <0.20 | <0.20 | 0.32 | <0.20 | <0.20 | <0.20 | - | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | - |
| Cyanide | mg/L | $0.022/0.0052_{s1}^{C}$ | $0.005^{E}$ | n/v | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | - |
| Cyanide (Free) | mg/L | $0.022/0.0052_{s1}^{B}$ | $0.005^{E}$ | n/v | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | - |
| Cyanide (Weak Acid Dissociable) | mg/L | n/v | $0.005^{E}$ | n/v | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | - |
| Dissolved Organic Carbon (DOC) | mg/L | n/v | n/v | n/v | - | 4.81 | 4.69 | 5.19 | 9.38 RRV | 6.40 RRV | 5.66 | - | 7.07 | 7.63 | 10.5 | 8.67 | 8.61 | 15.1 | - |
| Electrical Conductivity, Lab | µS/cm | n/v | n/v | n/v | - | 820 | 798 | 791 | 830 | 803 | 795 | - | 413 | 403 | 304 | 358 | 357 | 269 | - |
| Fluoride | mg/L | n/v | $0.12^{E}$ | n/v | - | **$0.142^{E}$** | **$0.143^{E}$** | **$0.154^{E}$** | **$0.155^{E}$** | **$0.146^{E}$** | **$0.154^{E}$** | - | 0.086 | 0.088 | 0.082 | 0.087 | 0.087 | 0.084 | - |
| Hardness (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | - | - | 386 | 364 | - | - | - | - | - | 169 | 128 | - |
| Hardness (as CaCO3), dissolved | mg/L | n/v | n/v | n/v | - | 383 | 383 | 371 | 400 | 372 | 393 | - | 193 | 186 | 151 | 165 | 169 | 140 | - |
| Nitrate (as N) | mg/L | $13^{C}$ | $124^{D}$ $3.0^{E}$ | n/v | - | <0.020 | <0.040 DLM | <0.020 | <0.020 | <0.020 | <0.020 | - | 0.099 | 0.082 | 0.086 | 0.027 | 0.057 | 0.119 | - |
| Nitrate + Nitrite (as N) | mg/L | $10^{B}$ $10^{C}$ | n/v | n/v | - | <0.0224 | <0.0447 | <0.0224 | <0.0224 | <0.022 | <0.022 | - | 0.0990 | 0.0820 | 0.0860 | 0.0270 | 0.0570 | 0.119 | - |
| Nitrite (as N) | mg/L | $0.06^{C}$ | $0.06^{E}$ | n/v | - | <0.010 | <0.020 DLM | <0.010 | <0.010 | <0.010 | <0.010 | - | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | - |
| pH, lab | S.U. | $6.5\text{-}9.0^{C}$ | $6.5\text{-}9.0^{E}$ | n/v | - | 7.59 | 7.60 | 7.79 | 8.23 | 7.95 | 7.70 | - | 7.95 | 7.85 | 7.85 | 8.33 | 8.21 | 7.68 | - |
| Phosphorus, Total | mg/L | $0.025^{A}$ | n/v | n/v | - | **$0.0732^{A}$** | **$0.0770^{A}$** | **$0.0744^{A}$** | **$0.0497^{A}$** | **$0.0789^{A}$** | **$0.0751^{A}$** | - | 0.0027 | 0.0049 | 0.0132 | 0.0057 | 0.0066 | 0.0058 | - |
| Phosphorus, Total (Dissolved) | mg/L | n/v | n/v | n/v | - | - | 0.0753 | 0.0799 | 0.0502 | 0.0756 | 0.0725 | - | - | 0.0031 | 0.0086 | 0.0022 | 0.0043 | 0.0034 | - |
| Sulfate | mg/L | n/v | n/v | n/v | - | 189 | 197 | 196 | 201 | 190 | 199 | - | 75.3 | 73.7 | 43.9 | 61.8 | 59.6 | 23.9 | - |
| Thiocyanate | mg/L | n/v | n/v | n/v | - | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | - | <0.50 | <0.50 SFT | <0.50 | <0.50 | <0.50 | <0.50 | - |
| Total Dissolved Solids | mg/L | n/v | n/v | n/v | - | 519 | 561 | 523 | 530 | 516 | 518 | - | 269 | 275 | 196 | 206 | 198 | 168 | - |
| Total Kjeldahl Nitrogen | mg/L | n/v | n/v | n/v | - | 0.342 | 0.372 | 0.343 | 0.313 | 0.362 | 0.344 | - | 0.214 | 0.240 | 0.318 | 0.231 | 0.319 | 0.411 | - |
| Total Organic Carbon | mg/L | n/v | n/v | n/v | - | 4.11 | 4.33 | 4.27 | 4.18 RRV | 4.69 RRV | 4.64 | - | 6.56 | 7.56 | 8.85 | 7.36 | 8.06 | 14.3 | - |
| Total Suspended Solids | mg/L | $SN^{BC}$ | $SN^{E}$ | n/v | - | 5.6 | 5.1 | 5.1 | 4.9 | 6.4 | 5.4 | - | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | - |
| Turbidity, Lab | NTU | n/v | n/v | n/v | - | 21.5 | 18.4 | 19.3 | 26.2 | 20.2 | 20.4 | - | <0.10 | 0.48 | 0.49 | 0.47 | 0.56 | 0.29 | - |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQF4 - Deep | | | | | | | AQF6 - Surface | | | | | | | |
| Sample Date | | | | | 25-Jan-25 | 25-Feb-25 | 18-Mar-25 | 23-Apr-25 | 21-May-25 | 21-Oct-25 | 22-Nov-25 | 25-Jan-25 | 25-Feb-25 | 18-Mar-25 | 23-Apr-25 | 22-May-25 | 21-Oct-25 | 22-Nov-25 | 16-Dec-25 |
| Sample ID | | | | | AQF4 - Deep | AQF4 - 41 | AQF4 - Deep | AQF4-40 | AQF4-deep | AQF4-deep | AQF4- Deep | AQF6 - Surface | AQF6 - 10 | AQF6 - Surface | AQF6 - surface | AQF6-surface | AQF6-surface | AQF6 - Surface | AQF6 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | STANTEC | ALS | ALS | ALS | ALS | ALS | ALS | STANTEC | ALS | ALS | ALS | ALS | ALS | ALS | STANTEC |
| Laboratory Work Order | | | | | FIELD2025 | WP2502751 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | FIELD2025 | WP2502751 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | FIELD2025 |
| Laboratory Sample ID | | | | | FIELD | WP2502751-006 | WP2503851-002 | WP2505523-002 | WP2507298-002 | WP2518837-004 | WP2520511-004 | FIELD | WP2502751-007 | WP2503851-003 | WP2505523-003 | WP2507298-009 | WP2518837-001 | WP2520511-001 | FIELD |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | | |
| **Metals, Dissolved** | | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | n/v | n/v | n/v | - | 0.0019 | <0.0010 | 0.0022 | <0.0010 | 0.0020 | 0.0552 RRV | - | 0.0012 | 0.0030 | 0.0017 | 0.0016 | 0.0026 | 0.0039 | - |
| Antimony | mg/L | n/v | n/v | n/v | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00014 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | - |
| Arsenic | mg/L | 0.34/0.15$_{s2}^{BC}$ | n/v | n/v | - | **0.00758$^{E}$** | 0.00467 | **0.00738$^{E}$** | **0.00618$^{E}$** | **0.00768$^{E}$** | **0.00716$^{E}$** | - | 0.00148 | 0.00206 | 0.00145 | 0.00127 | 0.00160 | 0.00178 | - |
| Barium | mg/L | n/v | n/v | n/v | - | 0.0424 | 0.0482 | 0.0448 | 0.0418 | 0.0434 | 0.0426 | - | 0.0149 | 0.0175 | 0.0137 | 0.0136 | 0.0133 | 0.0114 | - |
| Beryllium | mg/L | n/v | n/v | n/v | - | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | - | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | - |
| Bismuth | mg/L | n/v | n/v | n/v | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | - |
| Boron | mg/L | n/v | n/v | n/v | - | 0.126 | 0.096 | 0.110 | 0.115 | 0.116 | 0.157 RRV | - | 0.027 | 0.019 | 0.014 | 0.017 | 0.018 | 0.016 | - |
| Cadmium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | - |
| **MSOG Cadmium Guideline (Chronic)** | | | | | - | 0.00062 | 0.00062 | 0.00061 | 0.00064 | 0.00063 | 0.00064 | - | 0.00039 | 0.00038 | 0.00033 | 0.00035 | 0.00035 | 0.00031 | - |
| **MSOG Cadmium Guideline (Acute)** | | | | | - | 0.00742 | 0.00742 | 0.00719 | 0.00774 | 0.00747 | 0.00760 | - | 0.00381 | 0.00368 | 0.00301 | 0.00328 | 0.00335 | 0.00279 | - |
| Calcium | mg/L | n/v | n/v | n/v | - | 90.8 | 93.5 | 88.9 | 97.4 | 90.2 | 94.2 | - | 53.1 | 51.1 | 41.1 | 44.2 | 46.5 | 38.8 | - |
| Cesium | mg/L | n/v | n/v | n/v | - | 0.000256 | 0.000291 | 0.000254 | 0.000232 | 0.000244 | 0.000258 | - | 0.000195 | 0.000202 | 0.000149 | 0.000164 | 0.000174 | 0.000140 | - |
| Chromium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | 0.00086 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - |
| **MSOG Chromium Guideline (Chronic)** | | | | | - | 0.01718 | 0.01718 | 0.01691 | 0.01755 | 0.01724 | 0.01740 | - | 0.01224 | 0.01202 | 0.01084 | 0.01133 | 0.01146 | 0.01044 | - |
| Cobalt | mg/L | n/v | n/v | n/v | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - |
| Copper | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s2}^{F}$ | - | <0.00020 | 0.00021 | <0.00020 | <0.00020 | <0.00020 | 0.00026 | - | 0.00113 | 0.00072 | 0.00088 | 0.00052 | 0.00095 | 0.00095 | - |
| **MSOG Copper Guideline (Chronic)** | | | | | - | 0.02821 | 0.02821 | 0.02746 | 0.02928 | 0.02840 | 0.02884 | - | 0.01571 | 0.01522 | 0.01274 | 0.01374 | 0.01402 | 0.01194 | - |
| **MSOG Copper Guideline (Acute)** | | | | | - | 0.0476 | 0.0476 | 0.0462 | 0.0496 | 0.0480 | 0.0488 | - | 0.0250 | 0.0241 | 0.0198 | 0.0215 | 0.0220 | 0.0185 | - |
| **FEQG Copper Guideline (Chronic)** | | | | | - | 0.0049 | 0.0056 | 0.0049 | 0.0108 | 0.0086 | 0.0058 | - | 0.0083 | 0.0069 | 0.0079 | 0.0149 | 0.0091 | 0.0191 | - |
| Iron | mg/L | n/v | n/v | n/v | - | 2.48 | <0.010 | 2.25 | 2.40 | 2.45 | 2.36 | - | 0.010 | 0.180 | 0.074 | 0.018 | 0.010 | 0.020 | - |
| Lead | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s3}^{F}$ | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000051 | <0.000050 | - |
| **MSOG Lead Guideline (Chronic)** | | | | | - | 0.01047 | 0.01047 | 0.01013 | 0.01094 | 0.01055 | 0.01075 | - | 0.00511 | 0.00491 | 0.00393 | 0.00432 | 0.00443 | 0.00362 | - |
| **MSOG Lead Guideline (Acute)** | | | | | - | 0.26860 | 0.26860 | 0.25994 | 0.28085 | 0.27076 | 0.27580 | - | 0.13108 | 0.12603 | 0.10085 | 0.11090 | 0.11378 | 0.09297 | - |
| **FEQG Lead Guideline (Chronic)** | | | | | - | 0.0124 | 0.0122 | 0.0128 | 0.0176 | 0.0144 | 0.0135 | - | 0.0130 | 0.0134 | 0.0151 | 0.0140 | 0.0140 | 0.0180 | - |
| Lithium | mg/L | n/v | n/v | n/v | - | 0.0120 | 0.0114 | 0.0111 | 0.0101 | 0.0108 | 0.0125 | - | 0.0036 | 0.0030 | 0.0025 | 0.0026 | 0.0028 | 0.0025 | - |
| Magnesium | mg/L | n/v | n/v | n/v | - | 37.9 | 36.3 | 36.1 | 38.0 | 35.7 | 38.3 | - | 14.7 | 14.2 | 11.7 RRV | 13.2 | 12.8 | 10.5 | - |
| Manganese | mg/L | n/v | Equation*$_{EQ3,EQ4}^{DE}$ | n/v | - | 0.562 | 0.535 | 0.545 | 0.590 | 0.582 | 0.583 | - | 0.00257 | 0.0625 | 0.0290 | 0.0120 | 0.00366 | 0.00333 | - |
| **CCME Manganese Guideline (Chronic)** | | | | | - | 0.710 | 0.860 | 0.710 | 0.930 | 0.860 | 0.710 | - | 0.420 | 0.620 | 0.600 | 0.700 | 0.400 | 0.570 | - |
| **CCME Manganese Guideline (Acute)** | | | | | - | 14.881 | 14.881 | 14.881 | 14.881 | 14.881 | 14.881 | - | 11.857 | 11.478 | 9.558 | 10.332 | 10.552 | 8.944 | - |
| Mercury | mg/L | n/v | n/v | n/v | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | - |
| Methyl Mercury | µg/L | n/v | n/v | n/v | - | 0.000080 | 0.000128 | 0.000110 | <0.000160 DLM | - | - | - | <0.000020 | 0.000078 | 0.000096 | 0.000056 | - | - | - |
| Molybdenum | mg/L | n/v | n/v | n/v | - | 0.000550 | 0.000467 | 0.000520 | 0.000606 | 0.000434 | 0.000447 | - | 0.000457 | 0.000457 | 0.000336 RRV | 0.000364 | 0.000396 | 0.000268 | - |
| Nickel | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | <0.00050 | <0.00050 | 0.00050 | <0.00050 | <0.00050 | 0.00057 | - |
| **MSOG Nickel Guideline (Chronic)** | | | | | - | 0.162 | 0.162 | 0.158 | 0.168 | 0.163 | 0.166 | - | 0.091 | 0.088 | 0.074 | 0.079 | 0.081 | 0.069 | - |
| **MSOG Nickel Guideline (Acute)** | | | | | - | 1.458 | 1.458 | 1.420 | 1.513 | 1.468 | 1.490 | - | 0.817 | 0.792 | 0.664 | 0.715 | 0.730 | 0.622 | - |
| Phosphorus | mg/L | n/v | n/v | n/v | - | 0.072 | <0.050 | 0.067 | 0.059 | 0.081 | 0.088 | - | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | - |
| Potassium | mg/L | n/v | n/v | n/v | - | 6.88 | 7.26 | 6.96 | 7.28 | 6.94 | 7.22 | - | 3.97 | 3.94 | 3.42 RRV | 3.51 | 3.59 | 2.62 | - |
| Rubidium | mg/L | n/v | n/v | n/v | - | 0.00510 | 0.00573 | 0.00519 | 0.00525 | 0.00491 | 0.00484 | - | 0.00337 | 0.00372 | 0.00274 RRV | 0.00294 | 0.00330 | 0.00242 | - |
| Selenium | mg/L | n/v | n/v | n/v | - | <0.000050 | 0.000079 | <0.000050 | <0.000050 | <0.000050 | 0.000066 | - | 0.000064 | 0.000084 | <0.000050 | <0.000050 | <0.000050 | 0.000070 | - |
| Silicon | mg/L | n/v | n/v | n/v | - | 9.20 | 8.73 | 8.76 | 8.81 | 9.02 | 8.91 | - | 3.81 | 3.76 | 3.39 | 3.39 | 3.01 | 3.37 | - |
| Silver | mg/L | n/v | n/v | n/v | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - |
| Sodium | mg/L | n/v | n/v | n/v | - | 27.2 | 23.8 | 26.6 | 27.4 | 25.3 | 27.4 | - | 9.05 | 7.42 | 6.24 RRV | 7.48 | 6.87 | 4.24 | - |
| Strontium | mg/L | n/v | n/v | 2.5$^{F}$ | - | 0.356 | 0.386 | 0.364 | 0.382 | 0.370 | 0.358 | - | 0.133 | 0.130 | 0.0976 | 0.108 | 0.108 | 0.0768 | - |
| Sulfur | mg/L | n/v | n/v | n/v | - | 70.2 | 64.8 | 62.9 | 69.5 | 66.2 | 64.3 | - | 27.1 | 23.2 | 14.8 RRV | 22.5 | 20.0 | 8.16 | - |
| Tellurium | mg/L | n/v | n/v | n/v | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | - |
| Thallium | mg/L | n/v | n/v | n/v | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - |
| Thorium | mg/L | n/v | n/v | n/v | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - |
| Tin | mg/L | n/v | n/v | n/v | - | <0.00010 | 0.00012 | 0.00043 | 0.00013 | 0.00038 | 0.00022 | - | 0.00017 | 0.00020 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - |
| Titanium | mg/L | n/v | n/v | n/v | - | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | - | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | - |
| Tungsten | mg/L | n/v | n/v | n/v | - | 0.00020 | 0.00017 | 0.00017 | 0.00016 | 0.00019 | 0.00019 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - |
| Uranium | mg/L | n/v | n/v | n/v | - | 0.00254 | 0.00296 | 0.00272 | 0.00227 | 0.00225 | 0.00244 | - | 0.00132 | 0.00151 | 0.000868 RRV | 0.00107 | 0.000835 | 0.000326 | - |
| Vanadium | mg/L | n/v | n/v | n/v | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - |
| Zinc | mg/L | Equation*$_{s5}^{BC}$ | Equation*$_{EQ1,EQ2}^{DE}$ | n/v | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | - | 0.0013 | <0.0010 | 0.0023 | <0.0010 | 0.0019 | <0.0010 | - |
| **MSOG Zinc Guideline (Chronic)** | | | | | - | 0.369 | 0.369 | 0.359 | 0.382 | 0.371 | 0.377 | - | 0.206 | 0.200 | 0.168 | 0.181 | 0.184 | 0.157 | - |
| **MSOG Zinc Guideline (Acute)** | | | | | - | 0.366 | 0.366 | 0.356 | 0.379 | 0.368 | 0.374 | - | 0.205 | 0.198 | 0.166 | 0.179 | 0.183 | 0.156 | - |
| **CCME Zinc Guideline (Chronic)** | | | | | - | 0.110 | 0.108 | 0.093 | 0.088 | 0.092 | 0.110 | - | 0.050 | 0.054 | 0.050 | 0.034 | 0.038 | 0.062 | - |
| **CCME Zinc Guideline (Acute)** | | | | | - | 0.350 | 0.348 | 0.347 | 0.426 | 0.377 | 0.372 | - | 0.217 | 0.214 | 0.194 | 0.200 | 0.204 | 0.199 | - |
| Zirconium | mg/L | n/v | n/v | n/v | - | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | - | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | - |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQF4 - Deep | | | | | | | AQF6 - Surface | | | | | | | |
| Sample Date | | | | | 25-Jan-25 | 25-Feb-25 | 18-Mar-25 | 23-Apr-25 | 21-May-25 | 21-Oct-25 | 22-Nov-25 | 25-Jan-25 | 25-Feb-25 | 18-Mar-25 | 23-Apr-25 | 22-May-25 | 21-Oct-25 | 22-Nov-25 | 16-Dec-25 |
| Sample ID | | | | | AQF4 - Deep | AQF4 - 41 | AQF4 - Deep | AQF4-40 | AQF4-deep | AQF4-deep | AQF4- Deep | AQF6 - Surface | AQF6 - 10 | AQF6 - Surface | AQF6 - surface | AQF6-surface | AQF6-surface | AQF6 - Surface | AQF6 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | STANTEC | ALS | ALS | ALS | ALS | ALS | ALS | STANTEC | ALS | ALS | ALS | ALS | ALS | ALS | STANTEC |
| Laboratory Work Order | | | | | FIELD2025 | WP2502751 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | FIELD2025 | WP2502751 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | FIELD2025 |
| Laboratory Sample ID | | | | | FIELD | WP2502751-006 | WP2503851-002 | WP2505523-002 | WP2507298-002 | WP2518837-004 | WP2520511-004 | FIELD | WP2502751-007 | WP2503851-003 | WP2505523-003 | WP2507298-009 | WP2518837-001 | WP2520511-001 | FIELD |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | | |
| **Metals, Total** | | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | $0.005/0.1_{VAR}^{C}$ | $0.005/0.1_{VAR1}^{E}$ | $Equation*_{s1}^{F}$ | - | 0.0047 | 0.0037 | 0.0046 | <0.0030 | 0.0069 | 0.0037 | - | <0.0030 | 0.0082 | 0.0110 | 0.0533 | 0.0094 | 0.0086 | - |
| **FEQG Aluminum Guideline (Chronic)** | | | | | - | 0.83 | 0.85 | 0.85 | 1.3 | 1.1 | 0.92 | - | 1.1 | 1.0 | 1.1 | 1.6 | 1.1 | 1.6 | - |
| Antimony | mg/L | n/v | n/v | n/v | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - |
| Arsenic | mg/L | n/v | $0.005^{E}$ | n/v | - | **$0.00751^{E}$** | **$0.00718^{E}$** | **$0.00750^{E}$** | **$0.00629^{E}$** | **$0.00779^{E}$** | **$0.00743^{E}$** | - | 0.00149 | 0.00185 | 0.00138 | 0.00139 | 0.00160 | 0.00174 | - |
| Barium | mg/L | n/v | n/v | n/v | - | 0.0436 | 0.0430 | 0.0447 | 0.0431 | 0.0435 | 0.0436 | - | 0.0145 | 0.0154 | 0.0109 | 0.0141 | 0.0137 | 0.0116 | - |
| Beryllium | mg/L | n/v | n/v | n/v | - | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | - | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | - |
| Bismuth | mg/L | n/v | n/v | n/v | - | <0.000050 | <0.000050 | 0.000104 | <0.000050 | <0.000050 | <0.000050 | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | - |
| Boron | mg/L | $29/1.5_{s3}^{C}$ | $29^{D}$ $1.5^{E}$ | n/v | - | 0.118 | 0.126 | 0.124 | 0.129 | 0.125 | 0.116 | - | 0.024 | 0.024 | 0.016 | 0.017 | 0.017 | 0.012 | - |
| Cadmium | mg/L | n/v | $0.001_{STB}^{D}$ $0.00009_{LTG}^{E}$ | n/v | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | - |
| **CCME Cadmium Guideline (Chronic)** | | | | | 0.00004 | 0.00037 | 0.00037 | 0.00037 | 0.00037 | 0.00037 | 0.00037 | 0.00004 | 0.00027 | 0.00027 | 0.00022 | 0.00024 | 0.00024 | 0.00021 | 0.00004 |
| **CCME Cadmium Guideline (Acute)** | | | | | 0.00011 | 0.00770 | 0.00770 | 0.00770 | 0.00770 | 0.00770 | 0.00770 | 0.00011 | 0.00409 | 0.00394 | 0.00319 | 0.00349 | 0.00358 | 0.00295 | 0.00011 |
| Calcium | mg/L | n/v | n/v | n/v | - | 85.4 | 92.6 | 90.4 | 95.7 | 95.4 | 80.8 | - | 49.4 | 52.8 | 31.1 | 45.6 | 46.5 | 34.0 | - |
| Cesium | mg/L | n/v | n/v | n/v | - | 0.000258 | 0.000247 | 0.000264 | 0.000246 | 0.000265 | 0.000254 | - | 0.000190 | 0.000184 | 0.000126 | 0.000161 | 0.000184 | 0.000139 | - |
| Chromium | mg/L | n/v | n/v | n/v | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - |
| Chromium (Hexavalent) | mg/L | n/v | $0.001^{E}$ | $0.005^{F}$ | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | **$0.00137^{E}$** | <0.00050 | 0.00053 | <0.00050 | <0.00050 | <0.00050 | - |
| Cobalt | mg/L | n/v | n/v | $Equation*_{s4}^{F}$ | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - |
| **FEQG Cobalt Guideline (Chronic)** | | | | | - | 0.0018 | 0.0018 | 0.0018 | 0.0018 | 0.0018 | 0.0018 | - | 0.0013 | 0.0013 | 0.0012 | 0.0013 | 0.0013 | 0.0012 | - |
| Copper | mg/L | n/v | $Equation*_{EQ6}^{E}$ | n/v | - | <0.00050 | <0.00050 | 0.00193 | <0.00050 | <0.00050 | <0.00050 | - | 0.00055 | 0.00055 | 0.00060 | 0.00060 | 0.00061 | 0.00107 | - |
| **CWQG Copper Guideline (Chronic)** | | | | | 0.002 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.002 | 0.004 | 0.004 | 0.003 | 0.004 | 0.004 | 0.003 | 0.002 |
| Iron | mg/L | $0.3^{C}$ | $0.3^{E}$ | $Equation*_{s5}^{F}$ | - | **$2.62^{CEF}$** | **$2.28^{CEF}$** | **$2.53^{CEF}$** | **$2.54^{CEF}$** | **$2.40^{CEF}$** | **$2.44^{CEF}$** | - | <0.010 | 0.290 | 0.130 | 0.072 | 0.031 | 0.036 | - |
| **FEQG Iron Guideline (Chronic)** | | | | | - | 0.46 | 0.46 | 0.50 | 0.72 | 0.56 | 0.53 | - | 0.62 | 0.64 | 0.78 | 0.67 | 0.69 | 0.79 | - |
| Lead | mg/L | n/v | $Equation*_{EQ5}^{E}$ | n/v | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | - | <0.000050 | 0.000066 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | - |
| **CWQG Lead Guideline (Chronic)** | | | | | 0.001 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.001 | 0.007 | 0.007 | 0.005 | 0.006 | 0.006 | 0.005 | 0.001 |
| Lithium | mg/L | n/v | n/v | n/v | - | 0.0107 | 0.0111 | 0.0111 | 0.0110 | 0.0110 | 0.0102 | - | 0.0029 | 0.0030 | 0.0015 | 0.0024 | 0.0030 | 0.0021 | - |
| Magnesium | mg/L | n/v | n/v | n/v | - | 37.0 | 38.1 | 38.2 | 37.8 | 35.8 | 39.3 | - | 15.4 | 15.4 | 8.26 | 13.0 | 12.9 | 10.5 | - |
| Manganese | mg/L | n/v | n/v | n/v | - | 0.584 | 0.596 | 0.586 | 0.563 | 0.597 | 0.599 | - | 0.00324 | 0.0647 | 0.0338 | 0.0167 | 0.00917 | 0.00382 | - |
| Mercury | mg/L | $0.000026^{C}$ | $0.000026^{E}$ | n/v | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | - |
| Methyl Mercury | µg/L | n/v | $0.004^{E}$ | n/v | - | 0.000075 | 0.000127 | 0.000105 | 0.000266 | - | - | - | <0.000020 | 0.000082 | 0.000066 | 0.000044 | - | - | - |
| Molybdenum | mg/L | $0.073^{C}$ | $0.073^{E}$ | n/v | - | 0.000614 | 0.000462 | 0.000574 | 0.000614 | 0.000478 | 0.000474 | - | 0.000437 | 0.000449 | 0.000230 | 0.000375 | 0.000444 | 0.000238 | - |
| Nickel | mg/L | n/v | $Equation*_{EQ7}^{E}$ | n/v | - | <0.00050 | <0.00050 | 0.00147 | <0.00050 | <0.00050 | <0.00050 | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00069 | - |
| **CWQG Nickel Guideline (Chronic)** | | | | | 0.025 | 0.150 | 0.150 | 0.150 | 0.150 | 0.150 | 0.150 | 0.025 | 0.150 | 0.150 | 0.131 | 0.140 | 0.142 | 0.123 | 0.025 |
| Phosphorus | mg/L | n/v | n/v | n/v | - | 0.097 | 0.075 | 0.084 | 0.056 | 0.087 | 0.078 | - | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | - |
| Potassium | mg/L | n/v | n/v | n/v | - | 7.15 | 6.77 | 7.11 | 7.29 | 7.02 | 7.27 | - | 4.22 | 3.70 | 2.21 | 3.56 | 3.71 | 2.58 | - |
| Rubidium | mg/L | n/v | n/v | n/v | - | 0.00515 | 0.00503 | 0.00524 | 0.00510 | 0.00512 | 0.00512 | - | 0.00350 | 0.00350 | 0.00196 | 0.00309 | 0.00350 | 0.00247 | - |
| Selenium | mg/L | $0.001^{C}$ | $0.001^{E}$ | n/v | - | 0.000061 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | - | 0.000083 | 0.000054 | <0.000050 | <0.000050 | 0.000056 | 0.000063 | - |
| Silicon | mg/L | n/v | n/v | n/v | - | 8.91 | 9.04 | 9.57 | 9.00 | 9.15 | 9.15 | - | 3.77 | 3.86 | 2.62 | 3.31 | 3.11 | 3.46 | - |
| Silver | mg/L | $0.0001^{C}$ | $0.00025^{E}$ | n/v | - | <0.000010 | <0.000010 | 0.000013 | <0.000010 | <0.000010 | <0.000010 | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - |
| Sodium | mg/L | n/v | n/v | n/v | - | 27.5 | 26.4 | 28.2 | 27.0 | 26.0 | 27.7 | - | 8.73 | 8.40 | 4.25 | 6.89 | 6.61 | 4.18 | - |
| Strontium | mg/L | n/v | n/v | n/v | - | 0.362 | 0.395 | 0.364 | 0.367 | 0.376 | 0.348 | - | 0.138 | 0.136 | 0.0726 | 0.109 | 0.110 | 0.0699 | - |
| Sulfur | mg/L | n/v | n/v | n/v | - | 68.4 | 69.5 | 72.0 | 70.1 | 65.7 | 70.6 | - | 26.9 | 25.1 | 10.5 | 20.5 | 20.1 | 8.56 | - |
| Tellurium | mg/L | n/v | n/v | n/v | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | - |
| Thallium | mg/L | $0.0008^{C}$ | $0.0008^{E}$ | n/v | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - |
| Thorium | mg/L | n/v | n/v | n/v | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - |
| Tin | mg/L | n/v | n/v | n/v | - | 0.00031 | <0.00010 | 0.00023 | 0.00021 | 0.00018 | 0.00013 | - | 0.00012 | 0.00016 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - |
| Titanium | mg/L | n/v | n/v | n/v | - | 0.00033 | <0.00030 | <0.00030 | <0.00030 | 0.00042 | <0.00030 | - | <0.00030 | <0.00030 | <0.00030 | 0.00036 | 0.00046 | 0.00041 | - |
| Tungsten | mg/L | n/v | n/v | n/v | - | 0.00020 | 0.00020 | 0.00020 | 0.00016 | 0.00020 | 0.00019 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - |
| Uranium | mg/L | $0.033/0.015_{s4}^{C}$ | $0.033^{D}$ $0.015^{E}$ | n/v | - | 0.00263 | 0.00266 | 0.00275 | 0.00253 | 0.00239 | 0.00251 | - | 0.00143 | 0.00135 | 0.000605 | 0.00107 | 0.000882 | 0.000356 | - |
| Vanadium | mg/L | n/v | n/v | $0.12^{F}$ | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - |
| Zinc | mg/L | n/v | n/v | n/v | - | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | - | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | - |
| Zirconium | mg/L | n/v | n/v | n/v | - | 0.00026 | 0.00027 | 0.00029 | 0.00020 | 0.00031 | 0.00027 | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | - |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQF6 - Deep | | | | | | | AQF7 - Surface | AQF9 - Surface | | | | | | |
| Sample Date | | | | | 25-Jan-25 | 25-Feb-25 | 18-Mar-25 | 23-Apr-25 | 22-May-25 | 21-Oct-25 | 22-Nov-25 | 28-Feb-25 | 27-Feb-25 | 20-Mar-25 | 24-Apr-25 | 26-May-25 | 23-Oct-25 | 23-Nov-25 | 15-Dec-25 |
| Sample ID | | | | | AQF6 - Deep | AQF6 - 54 | AQF6 - Deep | AQF6-74 | AQF6-deep | AQF6-deep | AQF6 - Deep | AQF7 | AQF9 | AQF9 | AQF9 | AQF9 | AQF9 | AQF9 | AQF9 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | STANTEC | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | FIELD2025 | WP2502751 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2502936 | WP2502751 | WP2503851 | WP2505523 | WP2507527 | WP2518837 | WP2520511 | WP2521492 |
| Laboratory Sample ID | | | | | FIELD | WP2502751-008 | WP2503851-004 | WP2505523-004 | WP2507298-010 | WP2518837-002 | WP2520511-002 | WP2502936-001 | WP2502751-024 | WP2503851-018 | WP2505523-022 | WP2507527-004 | WP2518837-016 | WP2520511-014 | WP2521492-021 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | | |
| **Field Parameters** | | | | | | | | | | | | | | | | | | | |
| Dissolved Oxygen, Field | mg/L | >6.0$^{BC}$ | >6.5$_{VAR}^{E}$ | n/v | **0.61$^{BCE}$** | **-0.33$^{BCE}$** | - | - | - | **0.72$^{BCE}$** | **0.63$^{BCE}$** | 12.15 | 15.45 | 7.11 | **3.65$^{BCE}$** | - | 12.94 | 11.2 | **5.01$^{BCE}$** |
| Electrical Conductivity, Field | mS/cm | n/v | n/v | n/v | 560.6 | 478.7 | 568.1 | 566.8 | 546.6 | 509.5 | 569.8 | 28.3 | 5.7 | - | 126.5 | 138.2 | 264.6 | 169.6 | 184.5 |
| Oxidation Reduction Potential, field | mV | n/v | n/v | n/v | -97.6 | -180.2 | -153.2 | -210 | -252.2 | -66.7 | -115.3 | 101.2 | -73.5 | -69.2 | 47.7 | 177.2 | 167.3 | 159.6 | 89.2 |
| pH, Field | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v | 7.42 | 7.3 | 7.32 | 7.32 | 7.28 | 7.22 | 7.05 | 7.33 | 7.2 | 6.96 | 6.83 | 7.36 | 7.82 | 7.19 | 7.17 |
| Specific Conductance, Field | µS/cm | n/v | n/v | n/v | 962.4 | 805 | 974.8 | 975.7 | 940.9 | 861.9 | 974.5 | 50.4 | 10.8 | 444.7 | 240.2 | 164.6 | 443.9 | 314.3 | 347.1 |
| Temperature, Field | deg C | n/v | n/v | n/v | 3.141 | 3.789 | 3.154 | 3.058 | 3.059 | 3.592 | 3.259 | 2.1 | -0.1 | 0.4 | 0.2 | 16.6 | 3.855 | 0.88 | 0.5 |
| Total Dissolved Solids, Field | mg/L | n/v | n/v | n/v | 626.00 | 523.04 | 634 | 634 | 612 | 560 | 633 | 33.00 | 8.00 | 289.25 | 156 | 106.6 | - | 204.2 | 226 |
| Turbidity, Field | NTU | n/v | n/v | n/v | - | - | - | - | - | - | 0 | 0.36 | 22.1 | 20.5 | 3.49 | - | - | 0 | 0.45 |
| **General Chemistry** | | | | | | | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | n/v | n/v | n/v | - | 11.1 | 15.1 | 6.8 | 10.4 | 7.5 | 7.9 | 5.6 | 12.0 | 14.1 | 8.3 | 6.9 | <2.0 | 2.3 | 6.9 |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | n/v | n/v | n/v | - | 197 | 246 | 246 | 252 | 218 | 242 | 16.2 | 156 | 163 | 107 | 58.5 | 78.2 | 123 | 151 |
| Alkalinity, Carbonate (as CaCO3) | mg/L | n/v | n/v | n/v | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | n/v | n/v | n/v | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Phenolphthalein | mg/L | n/v | n/v | n/v | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Total (as CaCO3) | mg/L | n/v | n/v | n/v | - | 197 | 246 | 246 | 252 | 218 | 242 | 16.2 | 156 | 163 | 107 | 58.5 | 78.2 | 123 | 151 |
| Ammonia (as N) | mg/L | Equation*$_{TBC}^{BC}$ | 0.0173/190$_{TBC2}^{E}$ | n/v | - | 0.0309 | 0.344 | 0.350 | 0.345 | 0.225 | 0.354 | 0.0084 | 0.287 | 0.413 | 0.175 | 0.0160 | 0.0113 | 0.0634 | 0.0456 |
| MSOG Ammonia Guideline (Chronic) | | | | | - | 5.08 | 5.01 | 5.01 | 5.14 | 5.33 | 5.79 | 4.98 | 5.39 | 6.00 | 6.24 | 4.26 | 3.10 | 5.42 | 5.48 |
| CCME Ammonia Guideline (Chronic) | | | | | - | 3.98 | 3.98 | 3.98 | 3.98 | 3.98 | 12.58 | 3.98 | 6.02 | 19.00 | 19.00 | 1.27 | 1.27 | 6.02 | 6.02 |
| Bromide | mg/L | n/v | n/v | n/v | - | <0.10 | <0.20 DLM | <0.20 DLM | <0.20 DLM | <0.20 DLM | <0.20 DLM | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| Chloride | mg/L | n/v | 640$^{D}$ 120$^{E}$ | n/v | - | 5.00 | 9.74 | 9.97 | 10.3 | 6.22 | 9.23 | 1.53 | 1.36 | 1.24 | 1.11 | <0.50 | 0.81 | 0.91 | 1.36 |
| Cyanate | mg/L | n/v | n/v | n/v | - | <0.20 | 0.21 | 0.34 | 0.22 | <0.20 | <0.20 | <0.50 DLIS | 0.20 | 0.24 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| Cyanide | mg/L | 0.022/0.0052$_{s1}^{C}$ | 0.005$^{E}$ | n/v | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Free) | mg/L | 0.022/0.0052$_{s1}^{B}$ | 0.005$^{E}$ | n/v | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Weak Acid Dissociable) | mg/L | n/v | 0.005$^{E}$ | n/v | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0011 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0011 |
| Dissolved Organic Carbon (DOC) | mg/L | n/v | n/v | n/v | - | 6.08 | 6.46 | 7.28 | 7.07 | 7.47 | 6.91 | 8.99 | 15.7 | 16.7 | 16 | 14.9 | 14 | 14.5 | 15.2 |
| Electrical Conductivity, Lab | µS/cm | n/v | n/v | n/v | - | 791 | 949 | 962 | 990 | 841 | 929 | 51.6 | 352 | 358 | 224 | 149 | 205 | 307 | 365 |
| Fluoride | mg/L | n/v | 0.12$^{E}$ | n/v | - | 0.112 | **0.133$^{E}$** | **0.144$^{E}$** | **0.139$^{E}$** | 0.097 | **0.129$^{E}$** | 0.050 | 0.089 | 0.091 | 0.062 | 0.072 | 0.066 | 0.092 | 0.102 |
| Hardness (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | - | - | 403 | 410 | - | - | - | - | - | 97.1 | 142 | 173 |
| Hardness (as CaCO3), dissolved | mg/L | n/v | n/v | n/v | - | 373 | 450 | 444 | 460 | 388 | 464 | 20.5 | 161 | 175 | 34.2 | 70.7 | 93.7 | 160 | 163 |
| Nitrate (as N) | mg/L | 13$^{C}$ | 124$^{D}$ 3.0$^{E}$ | n/v | - | 0.022 | <0.040 DLM | <0.040 DLM | <0.040 DLM | <0.040 DLM | <0.040 DLM | 0.760 | 0.090 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 |
| Nitrate + Nitrite (as N) | mg/L | 10$^{B}$ 10$^{C}$ | n/v | n/v | - | <0.0224 | <0.0447 | <0.0447 | <0.0447 | <0.045 | <0.045 | 0.760 | 0.0900 | <0.0224 | <0.0224 | <0.0224 | <0.022 | <0.022 | <0.022 |
| Nitrite (as N) | mg/L | 0.06$^{C}$ | 0.06$^{E}$ | n/v | - | <0.010 | <0.020 DLM | <0.020 DLM | <0.020 DLM | <0.020 DLM | <0.020 DLM | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| pH, lab | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v | - | 7.55 | 7.83 | 7.73 | 8.18 | 7.91 | 7.59 | 6.92 | 7.45 | 8.21 | 7.34 | 7.90 | 7.98 | 7.67 | 7.56 |
| Phosphorus, Total | mg/L | 0.025$^{A}$ | n/v | n/v | - | 0.0122 | **0.0671$^{A}$** | **0.0728$^{A}$** | **0.0985$^{A}$** | **0.0654$^{A}$** | **0.0828$^{A}$** | 0.0146 | **0.0267$^{A}$** | 0.0220 | 0.0231 | 0.0210 | 0.0210 | 0.0143 | 0.0124 |
| Phosphorus, Total (Dissolved) | mg/L | n/v | n/v | n/v | - | - | 0.0647 | 0.0696 | 0.0890 | 0.0672 | 0.0837 | 0.0040 | - | 0.0058 | 0.0062 | 0.0069 | 0.0064 | 0.0064 | 0.0075 |
| Sulfate | mg/L | n/v | n/v | n/v | - | 215 | 282 | 290 | 290 | 241 | 284 | 1.14 | 30.2 | 32.4 | 15.4 | 15.1 | 23.3 | 39.4 | 44.1 |
| Thiocyanate | mg/L | n/v | n/v | n/v | - | <0.50 | <0.50 | 0.57 | 0.57 | <0.50 | <0.50 | <0.50 SFT | <0.50 | 0.52 | 0.57 | 0.54 | <0.50 | 0.55 | <0.50 |
| Total Dissolved Solids | mg/L | n/v | n/v | n/v | - | 562 | 686 | 668 | 663 | 535 | 638 | 37.0 | 223 | 245 | 152 | 99.2 | 136 | 192 | 232 |
| Total Kjeldahl Nitrogen | mg/L | n/v | n/v | n/v | - | 0.171 | 0.479 | 0.502 | 0.520 | 0.420 | 0.498 | 0.408 | 0.868 | 0.957 | 0.718 | 0.619 | 0.530 | 0.602 | 0.596 |
| Total Organic Carbon | mg/L | n/v | n/v | n/v | - | 5.39 | 6.20 | 6.03 | 6.11 | 6.59 | 6.60 | 9.19 | 16.8 | 15.7 | 15.9 | 13.5 | 13.8 | 15.3 | 15.2 |
| Total Suspended Solids | mg/L | $_{SN}^{BC}$ | $_{SN}^{E}$ | n/v | - | 3.8 | 11.5 | 11.3 | 10.9 | 6.5 | 9.1 | <1.0 | 2.7 | 2.8 | 3.5 | 1.8 | 1.2 | <1.0 | <1.0 |
| Turbidity, Lab | NTU | n/v | n/v | n/v | - | 2.36 | 34.8 | 34.3 | 37.6 | 16.8 | 27.7 | 0.15 | 2.28 | 0.99 | 1.82 | 1.01 | 0.81 | 0.63 | 1.15 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQF6 - Deep | | | | | | | AQF7 - Surface | AQF9 - Surface | | | | | | |
| Sample Date | | | | | 25-Jan-25 | 25-Feb-25 | 18-Mar-25 | 23-Apr-25 | 22-May-25 | 21-Oct-25 | 22-Nov-25 | 28-Feb-25 | 27-Feb-25 | 20-Mar-25 | 24-Apr-25 | 26-May-25 | 23-Oct-25 | 23-Nov-25 | 15-Dec-25 |
| Sample ID | | | | | AQF6 - Deep | AQF6 - 54 | AQF6 - Deep | AQF6-74 | AQF6-deep | AQF6-deep | AQF6 - Deep | AQF7 | AQF9 | AQF9 | AQF9 | AQF9 | AQF9 | AQF9 | AQF9 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | STANTEC | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | FIELD2025 | WP2502751 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2502936 | WP2502751 | WP2503851 | WP2505523 | WP2507527 | WP2518837 | WP2520511 | WP2521492 |
| Laboratory Sample ID | | | | | FIELD | WP2502751-008 | WP2503851-004 | WP2505523-004 | WP2507298-010 | WP2518837-002 | WP2520511-002 | WP2502936-001 | WP2502751-024 | WP2503851-018 | WP2505523-022 | WP2507527-004 | WP2518837-016 | WP2520511-014 | WP2521492-021 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | | |
| **Metals, Dissolved** | | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | n/v | n/v | n/v | - | 0.0025 | <0.0010 | 0.0053 | 0.0042 | 0.0035 | 0.0036 | 0.0069 | 0.0082 | 0.0067 | 0.0041 | 0.0140 | 0.0056 | 0.0077 | 0.0058 |
| Antimony | mg/L | n/v | n/v | n/v | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | 0.34/0.15$_{s2}^{BC}$ | n/v | n/v | - | 0.00266 | **0.00749$^{E}$** | **0.0191$^{E}$** | **0.0204$^{E}$** | **0.0140$^{E}$** | **0.0159$^{E}$** | 0.00022 | 0.00111 | 0.00109 | 0.00030 | 0.00050 | 0.00053 | 0.00083 | 0.00102 |
| Barium | mg/L | n/v | n/v | n/v | - | 0.0296 | 0.0586 | 0.0600 | 0.0582 | 0.0434 | 0.0526 | 0.00801 | 0.0281 | 0.0278 | 0.00930 | 0.0110 | 0.0119 | 0.0172 | 0.0253 |
| Beryllium | mg/L | n/v | n/v | n/v | - | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | n/v | n/v | n/v | - | 0.057 | 0.068 | 0.079 | 0.086 | 0.060 | 0.095 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| **MSOG Cadmium Guideline (Chronic)** | | | | | - | 0.00061 | 0.00070 | 0.00069 | 0.00071 | 0.00065 | 0.00071 | 0.00008 | 0.00034 | 0.00036 | 0.00012 | 0.00019 | 0.00024 | 0.00034 | 0.00036 |
| **MSOG Cadmium Guideline (Acute)** | | | | | - | 0.00723 | 0.00867 | 0.00856 | 0.00886 | 0.00779 | 0.00893 | 0.00043 | 0.00320 | 0.00347 | 0.00071 | 0.00144 | 0.00196 | 0.00318 | 0.00343 |
| Calcium | mg/L | n/v | n/v | n/v | - | 98.7 | 120 | 114 | 115 | 102 | 119 | 5.21 | 44.5 | 49.7 | 10.4 | 19.3 | 25.4 | 43.1 | 44.6 |
| Cesium | mg/L | n/v | n/v | n/v | - | 0.000300 | 0.000318 | 0.000272 | 0.000267 | 0.000275 | 0.000276 | <0.000010 | 0.000047 | 0.000043 | <0.000010 | <0.000010 | <0.000010 | 0.000033 | 0.000042 |
| Chromium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| **MSOG Chromium Guideline (Chronic)** | | | | | - | 0.01695 | 0.01859 | 0.01847 | 0.01880 | 0.01761 | 0.01888 | 0.00399 | 0.01119 | 0.01166 | 0.00516 | 0.00743 | 0.00870 | 0.01116 | 0.01160 |
| Cobalt | mg/L | n/v | n/v | n/v | - | 0.00012 | 0.00022 | 0.00024 | 0.00020 | 0.00015 | 0.00014 | <0.00010 | 0.00011 | <0.00010 | 0.00014 | <0.00010 | <0.00010 | 0.00011 | 0.00016 |
| Copper | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s2}^{F}$ | - | 0.00121 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | 0.00121 RRV | 0.00080 | <0.00020 | <0.00020 | 0.00034 | 0.00023 | 0.00037 | 0.00028 |
| **MSOG Copper Guideline (Chronic)** | | | | | - | 0.02758 | 0.03238 | 0.03201 | 0.03299 | 0.02947 | 0.03324 | 0.00231 | 0.01345 | 0.01445 | 0.00358 | 0.00666 | 0.00873 | 0.01338 | 0.01431 |
| **MSOG Copper Guideline (Acute)** | | | | | - | 0.0465 | 0.0554 | 0.0547 | 0.0566 | 0.0500 | 0.0571 | 0.0030 | 0.0210 | 0.0228 | 0.0049 | 0.0097 | 0.0131 | 0.0209 | 0.0225 |
| **FEQG Copper Guideline (Chronic)** | | | | | - | 0.0073 | 0.0087 | 0.0098 | 0.0092 | 0.0083 | 0.0065 | 0.0046 | 0.0125 | 0.0093 | 0.0036 | 0.0116 | 0.0184 | 0.0114 | 0.0117 |
| Iron | mg/L | n/v | n/v | n/v | - | 0.669 | <0.010 | 4.52 | 5.08 | 2.94 | 3.80 | 0.023 | 0.766 | 0.854 | 0.715 | 0.047 | 0.038 | 0.103 | 0.192 |
| Lead | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s3}^{F}$ | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| **MSOG Lead Guideline (Chronic)** | | | | | - | 0.01019 | 0.01234 | 0.01218 | 0.01262 | 0.01103 | 0.01273 | 0.00043 | 0.00421 | 0.00460 | 0.00077 | 0.00172 | 0.00244 | 0.00418 | 0.00455 |
| **MSOG Lead Guideline (Acute)** | | | | | - | 0.26138 | 0.31677 | 0.31247 | 0.32393 | 0.28301 | 0.32680 | 0.01110 | 0.10802 | 0.11810 | 0.01974 | 0.04419 | 0.06254 | 0.10731 | 0.11666 |
| **FEQG Lead Guideline (Chronic)** | | | | | - | 0.0139 | 0.0149 | 0.0158 | 0.0157 | 0.0157 | 0.0155 | 0.0091 | 0.0189 | 0.0198 | 0.0137 | 0.0154 | 0.0160 | 0.0181 | 0.0189 |
| Lithium | mg/L | n/v | n/v | n/v | - | 0.0062 | 0.0067 | 0.0066 | 0.0064 | 0.0056 | 0.0073 | <0.0010 | 0.0026 | 0.0023 | <0.0010 | 0.0020 | 0.0019 | 0.0038 | 0.0034 |
| Magnesium | mg/L | n/v | n/v | n/v | - | 30.8 | 36.6 | 38.7 | 41.9 | 32.4 | 40.5 | 1.82 | 12.2 | 12.4 | 2.00 | 5.46 | 7.36 | 12.7 | 12.6 |
| Manganese | mg/L | n/v | Equation*$_{EQ3,EQ4}^{DE}$ | n/v | - | **0.722$^{E}$** | **4.32$^{E}$** | **4.14$^{E}$** | **4.21$^{E}$** | **2.64$^{E}$** | **3.49$^{E}$** | 0.00104 | 0.451 | 0.519 | **0.473$^{E}$** | 0.0141 | 0.00406 | 0.103 | 0.351 |
| **CCME Manganese Guideline (Chronic)** | | | | | - | 0.710 | 0.770 | 0.770 | 0.770 | 0.770 | 0.930 | 0.250 | 0.600 | 0.730 | 0.380 | 0.490 | 0.490 | 0.400 | 0.700 |
| **CCME Manganese Guideline (Acute)** | | | | | - | 14.881 | 14.881 | 14.881 | 14.881 | 14.881 | 14.881 | 1.656 | 10.112 | 10.880 | 2.595 | 4.909 | 6.487 | 10.057 | 10.771 |
| Mercury | mg/L | n/v | n/v | n/v | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | n/v | n/v | - | 0.000039 | 0.000074 | 0.000093 | 0.000091 | - | - | <0.000200 DLM | 0.00100 | 0.00150 | 0.000372 | 0.000200 | - | - | - |
| Molybdenum | mg/L | n/v | n/v | n/v | - | 0.000734 | 0.00135 | 0.00135 | 0.00118 | 0.000930 | 0.00100 | 0.000114 | 0.000123 | 0.000098 | 0.000109 | 0.000416 | 0.000406 | 0.000450 | 0.000437 |
| Nickel | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | - | 0.00051 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00052 |
| **MSOG Nickel Guideline (Chronic)** | | | | | - | 0.158 | 0.186 | 0.184 | 0.189 | 0.169 | 0.191 | 0.014 | 0.078 | 0.083 | 0.021 | 0.039 | 0.051 | 0.077 | 0.083 |
| **MSOG Nickel Guideline (Acute)** | | | | | - | 1.426 | 1.671 | 1.653 | 1.703 | 1.522 | 1.715 | 0.123 | 0.701 | 0.752 | 0.189 | 0.349 | 0.457 | 0.697 | 0.744 |
| Phosphorus | mg/L | n/v | n/v | n/v | - | <0.050 | <0.050 | 0.072 | 0.099 | 0.067 | 0.090 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | - | 7.69 | 9.15 | 8.59 | 9.22 | 8.00 | 8.88 | 0.647 | 2.95 | 2.94 | 0.571 | 1.59 | 1.67 | 2.21 | 3.43 |
| Rubidium | mg/L | n/v | n/v | n/v | - | 0.00544 | 0.00632 | 0.00580 | 0.00567 | 0.00521 | 0.00547 | 0.00120 | 0.00272 | 0.00259 | 0.00082 | 0.00170 | 0.00184 | 0.00217 | 0.00271 |
| Selenium | mg/L | n/v | n/v | n/v | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000153 | <0.000050 | 0.000059 | 0.000118 | 0.000051 | <0.000050 | <0.000050 | 0.000075 | 0.000095 |
| Silicon | mg/L | n/v | n/v | n/v | - | 5.84 | 7.07 | 7.57 | 8.40 | 6.86 | 7.54 | 0.524 | 4.27 | 5.02 | 1.55 | 0.154 | 1.16 | 2.47 | 2.98 |
| Silver | mg/L | n/v | n/v | n/v | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | - | 23.0 | 26.2 | 29.9 | 32.3 | 23.7 | 30.0 | 1.26 | 6.59 | 6.21 | 0.956 | 2.99 | 4.02 | 6.58 | 7.18 |
| Strontium | mg/L | n/v | n/v | 2.5$^{F}$ | - | 0.302 | 0.463 | 0.453 | 0.467 | 0.366 | 0.429 | 0.0150 | 0.100 | 0.100 | 0.0202 | 0.0404 | 0.0589 | 0.0865 | 0.0993 |
| Sulfur | mg/L | n/v | n/v | n/v | - | 77.9 | 91.6 | 91.4 | 107 | 84.8 | 93.8 | <0.50 | 10.7 | 10.7 | 5.08 | 5.54 | 8.26 | 12.6 | 15.5 |
| Tellurium | mg/L | n/v | n/v | n/v | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | n/v | n/v | n/v | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | - | 0.00042 | <0.00010 | 0.00081 RRV | 0.00012 | 0.00029 | 0.00029 | <0.00010 | <0.00010 | <0.00010 | 0.00011 | 0.00015 | <0.00010 | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | - | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | 0.00031 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |
| Tungsten | mg/L | n/v | n/v | n/v | - | <0.00010 | 0.00027 | 0.00033 | 0.00037 | 0.00026 | 0.00033 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | n/v | n/v | n/v | - | 0.00436 | 0.00492 | 0.00489 | 0.00421 | 0.00395 | 0.00385 | <0.000010 | 0.000312 | 0.000307 | <0.000010 | 0.000149 | 0.000252 | 0.000425 | 0.000507 |
| Vanadium | mg/L | n/v | n/v | n/v | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | Equation*$_{s5}^{BC}$ | Equation*$_{EQ1,EQ2}^{DE}$ | n/v | - | 0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0025 | 0.0026 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| **MSOG Zinc Guideline (Chronic)** | | | | | - | 0.360 | 0.423 | 0.418 | 0.430 | 0.385 | 0.434 | 0.031 | 0.177 | 0.190 | 0.048 | 0.088 | 0.115 | 0.176 | 0.188 |
| **MSOG Zinc Guideline (Acute)** | | | | | - | 0.357 | 0.419 | 0.414 | 0.427 | 0.382 | 0.430 | 0.031 | 0.175 | 0.188 | 0.047 | 0.087 | 0.114 | 0.175 | 0.186 |
| **CCME Zinc Guideline (Chronic)** | | | | | - | 0.121 | 0.118 | 0.133 | 0.094 | 0.106 | 0.152 | 0.015 | 0.087 | 0.052 | 0.022 | 0.027 | 0.033 | 0.070 | 0.084 |
| **CCME Zinc Guideline (Acute)** | | | | | - | 0.362 | 0.430 | 0.437 | 0.447 | 0.406 | 0.448 | 0.035 | 0.226 | 0.246 | 0.062 | 0.112 | 0.144 | 0.220 | 0.238 |
| Zirconium | mg/L | n/v | n/v | n/v | - | <0.00030 | <0.00030 | 0.00052 | 0.00044 | 0.00035 | 0.00048 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQF6 - Deep | | | | | | | AQF7 - Surface | AQF9 - Surface | | | | | | |
| Sample Date | | | | | 25-Jan-25 | 25-Feb-25 | 18-Mar-25 | 23-Apr-25 | 22-May-25 | 21-Oct-25 | 22-Nov-25 | 28-Feb-25 | 27-Feb-25 | 20-Mar-25 | 24-Apr-25 | 26-May-25 | 23-Oct-25 | 23-Nov-25 | 15-Dec-25 |
| Sample ID | | | | | AQF6 - Deep | AQF6 - 54 | AQF6 - Deep | AQF6-74 | AQF6-deep | AQF6-deep | AQF6 - Deep | AQF7 | AQF9 | AQF9 | AQF9 | AQF9 | AQF9 | AQF9 | AQF9 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | STANTEC | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | FIELD2025 | WP2502751 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2502936 | WP2502751 | WP2503851 | WP2505523 | WP2507527 | WP2518837 | WP2520511 | WP2521492 |
| Laboratory Sample ID | | | | | FIELD | WP2502751-008 | WP2503851-004 | WP2505523-004 | WP2507298-010 | WP2518837-002 | WP2520511-002 | WP2502936-001 | WP2502751-024 | WP2503851-018 | WP2505523-022 | WP2507527-004 | WP2518837-016 | WP2520511-014 | WP2521492-021 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | | |
| **Metals, Total** | | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | $0.005/0.1_{VAR}^{C}$ | $0.005/0.1_{VAR1}^{E}$ | Equation*$_{s1}^{F}$ | - | **0.173$^{CE}$** | 0.0158 | 0.0044 | 0.0055 | 0.0049 | 0.0038 | 0.0103 | 0.0852 | 0.0376 | 0.0219 | 0.0230 | 0.0422 | 0.0306 | 0.0385 |
| **FEQG Aluminum Guideline (Chronic)** | | | | | - | 1.0 | 1.1 | 1.2 | 1.1 | 1.1 | 1.0 | 0.78 | 1.3 | 1.1 | 0.64 | 1.2 | 1.8 | 1.3 | 1.3 |
| Antimony | mg/L | n/v | n/v | n/v | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | n/v | $0.005^{E}$ | n/v | - | 0.00353 | **0.0169$^{E}$** | **0.0175$^{E}$** | **0.0212$^{E}$** | **0.0141$^{E}$** | **0.0168$^{E}$** | 0.00034 | 0.00117 | 0.00119 | 0.00086 | 0.00053 | 0.00055 | 0.00082 | 0.00115 |
| Barium | mg/L | n/v | n/v | n/v | - | 0.0313 | 0.0551 | 0.0590 | 0.0608 | 0.0444 | 0.0516 | 0.00822 | 0.0284 | 0.0295 | 0.0215 | 0.0114 | 0.0126 | 0.0189 | 0.0263 |
| Beryllium | mg/L | n/v | n/v | n/v | - | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | $29/1.5_{s3}^{C}$ | $29^{D}$ $1.5^{E}$ | n/v | - | 0.053 | 0.086 | 0.084 | 0.086 | 0.064 | 0.074 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | n/v | $0.001_{STB}^{D}$ $0.00009_{LTG}^{E}$ | n/v | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | **0.0000642$^{E}$** | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| **CCME Cadmium Guideline (Chronic)** | | | | | 0.00004 | 0.00037 | 0.00037 | 0.00037 | 0.00037 | 0.00037 | 0.00037 | 0.00004 | 0.00024 | 0.00025 | 0.00007 | 0.00012 | 0.00015 | 0.00023 | 0.00025 |
| **CCME Cadmium Guideline (Acute)** | | | | | 0.00011 | 0.00770 | 0.00770 | 0.00770 | 0.00770 | 0.00770 | 0.00770 | 0.00042 | 0.00341 | 0.00371 | 0.00071 | 0.00148 | 0.00204 | 0.00338 | 0.00366 |
| Calcium | mg/L | n/v | n/v | n/v | - | 87.1 | 117 | 109 | 116 | 107 | 99.6 | 5.65 | 42.8 | 48.4 | 29.4 | 19.1 | 26.0 | 36.8 | 47.0 |
| Cesium | mg/L | n/v | n/v | n/v | - | 0.000416 | 0.000286 | 0.000289 | 0.000283 | 0.000281 | 0.000282 | <0.000010 | 0.000053 | 0.000047 | 0.000032 | <0.000010 | 0.000015 | 0.000036 | 0.000046 |
| Chromium | mg/L | n/v | n/v | n/v | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Chromium (Hexavalent) | mg/L | n/v | $0.001^{E}$ | $0.005^{F}$ | - | 0.00057 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Cobalt | mg/L | n/v | n/v | Equation*$_{s4}^{F}$ | - | 0.00028 | 0.00025 | 0.00024 | 0.00020 | 0.00016 | 0.00013 | <0.00010 | 0.00015 | 0.00012 | 0.00018 | <0.00010 | <0.00010 | 0.00013 | 0.00015 |
| **FEQG Cobalt Guideline (Chronic)** | | | | | - | 0.0018 | 0.0018 | 0.0018 | 0.0018 | 0.0018 | 0.0018 | 0.0008 | 0.0012 | 0.0013 | 0.0008 | 0.0009 | 0.0010 | 0.0012 | 0.0013 |
| Copper | mg/L | n/v | Equation*$_{EQ6}^{E}$ | n/v | - | 0.00056 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00053 | <0.00050 | <0.00050 | <0.00050 | 0.00064 | <0.00050 | <0.00050 |
| **CWQG Copper Guideline (Chronic)** | | | | | 0.002 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.002 | 0.004 | 0.004 | 0.002 | 0.002 | 0.002 | 0.004 | 0.004 |
| Iron | mg/L | $0.3^{C}$ | $0.3^{E}$ | Equation*$_{s5}^{F}$ | - | **1.23$^{CEF}$** | **4.62$^{CEF}$** | **4.64$^{CEF}$** | **5.06$^{CEF}$** | **2.87$^{CEF}$** | **3.74$^{CEF}$** | 0.024 | **0.960$^{CEF}$** | **0.966$^{CEF}$** | **0.662$^{CE}$** | 0.097 | 0.110 | 0.167 | 0.278 |
| **FEQG Iron Guideline (Chronic)** | | | | | - | 0.56 | 0.56 | 0.62 | 0.61 | 0.61 | 0.58 | 0.69 | 0.80 | 0.80 | 0.80 | 0.80 | 0.78 | 0.80 | 0.80 |
| Lead | mg/L | n/v | Equation*$_{EQ5}^{E}$ | n/v | - | 0.000206 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| **CWQG Lead Guideline (Chronic)** | | | | | 0.001 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.001 | 0.006 | 0.006 | 0.001 | 0.002 | 0.003 | 0.006 | 0.006 |
| Lithium | mg/L | n/v | n/v | n/v | - | 0.0056 | 0.0068 | 0.0056 | 0.0061 | 0.0060 | 0.0054 | <0.0010 | 0.0024 | 0.0028 | 0.0016 | 0.0018 | 0.0025 | 0.0025 | 0.0039 |
| Magnesium | mg/L | n/v | n/v | n/v | - | 31.1 | 39.7 | 37.0 | 41.2 | 32.9 | 39.1 | 1.94 | 13.3 | 12.8 | 7.90 | 5.78 | 7.81 | 12.1 | 13.4 |
| Manganese | mg/L | n/v | n/v | n/v | - | 0.798 | 4.40 | 4.11 | 4.13 | 2.78 | 3.52 | 0.00115 | 0.506 | 0.583 | 0.444 | 0.0251 | 0.0143 | 0.113 | 0.378 |
| Mercury | mg/L | $0.000026^{C}$ | $0.000026^{E}$ | n/v | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | $0.004^{E}$ | n/v | - | 0.000031 | 0.000077 | 0.000081 | 0.000096 | - | - | 0.000034 | 0.00133 | 0.00152 | 0.000495 | 0.000245 | - | - | - |
| Molybdenum | mg/L | $0.073^{C}$ | $0.073^{E}$ | n/v | - | 0.00108 | 0.00134 | 0.00126 | 0.00128 | 0.00102 | 0.00103 | 0.000078 | 0.000169 | 0.000161 | 0.000365 | 0.000458 | 0.000423 | 0.000449 | 0.000443 |
| Nickel | mg/L | n/v | Equation*$_{EQ7}^{E}$ | n/v | - | 0.00094 | 0.00053 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| **CWQG Nickel Guideline (Chronic)** | | | | | 0.025 | 0.150 | 0.150 | 0.150 | 0.150 | 0.150 | 0.150 | 0.025 | 0.137 | 0.146 | 0.025 | 0.073 | 0.093 | 0.137 | 0.145 |
| Phosphorus | mg/L | n/v | n/v | n/v | - | <0.050 | 0.058 | 0.080 | 0.100 | 0.084 | 0.086 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | - | 8.09 | 8.22 | 8.64 | 8.86 | 8.10 | 8.81 | 0.689 | 3.25 | 2.90 | 2.90 | 1.78 | 1.89 | 2.27 | 3.34 |
| Rubidium | mg/L | n/v | n/v | n/v | - | 0.00609 | 0.00589 | 0.00567 | 0.00595 | 0.00534 | 0.00562 | 0.00134 | 0.00296 | 0.00303 | 0.00319 | 0.00172 | 0.00201 | 0.00216 | 0.00295 |
| Selenium | mg/L | $0.001^{C}$ | $0.001^{E}$ | n/v | - | 0.000075 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000062 | 0.000097 | 0.000059 | 0.000065 | <0.000050 | <0.000050 | <0.000050 | 0.000065 | 0.000115 |
| Silicon | mg/L | n/v | n/v | n/v | - | 6.19 | 7.53 | 7.55 | 8.20 | 6.87 | 7.83 | 0.56 | 4.57 | 5.27 | 4.31 | 0.19 | 1.27 | 2.52 | 3.09 |
| Silver | mg/L | $0.0001^{C}$ | $0.00025^{E}$ | n/v | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | - | 23.1 | 28.4 | 28.6 | 30.4 | 23.6 | 29.2 | 1.35 | 7.35 | 6.11 | 4.18 | 3.18 | 4.36 | 6.12 | 7.33 |
| Strontium | mg/L | n/v | n/v | n/v | - | 0.300 | 0.443 | 0.434 | 0.475 | 0.367 | 0.421 | 0.0162 | 0.0965 | 0.110 | 0.0658 | 0.0424 | 0.0576 | 0.0856 | 0.106 |
| Sulfur | mg/L | n/v | n/v | n/v | - | 79.2 | 101 | 99.3 | 100 | 81.6 | 103 | 0.55 | 11.1 | 10.4 | 5.52 | 5.63 | 8.23 | 13.8 | 15.9 |
| Tellurium | mg/L | n/v | n/v | n/v | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | $0.0008^{C}$ | $0.0008^{E}$ | n/v | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | - | 0.00045 | 0.00065 | 0.00041 | 0.00012 | 0.00026 | 0.00019 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | - | 0.0106 | 0.00098 | 0.00033 | 0.00046 | 0.00030 | 0.00034 | <0.00030 | 0.00397 | 0.00172 | 0.00073 | 0.00064 | 0.00193 | 0.00139 | 0.00154 |
| Tungsten | mg/L | n/v | n/v | n/v | - | <0.00010 | 0.00033 | 0.00036 | 0.00038 | 0.00029 | 0.00033 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | $0.033/0.015_{s4}^{C}$ | $0.033^{D}$ $0.015^{E}$ | n/v | - | 0.00491 | 0.00465 | 0.00468 | 0.00450 | 0.00411 | 0.00399 | <0.000010 | 0.000340 | 0.000306 | 0.000181 | 0.000154 | 0.000263 | 0.000463 | 0.000538 |
| Vanadium | mg/L | n/v | n/v | $0.12^{F}$ | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | n/v | n/v | n/v | - | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | 0.0054 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | **0.0072$^{E}$** | <0.0030 | <0.0030 |
| Zirconium | mg/L | n/v | n/v | n/v | - | 0.00020 | 0.00043 | 0.00046 | 0.00053 | 0.00038 | 0.00047 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Location** | | | | | **AQF11 - Surface** | | | | | | | | **AQF12 - Surface** | | | | | |
| **Sample Date** | | | | | **28-Feb-25** | **19-Mar-25** | **19-Mar-25** | **24-Apr-25** | **26-May-25** | **26-Oct-25** | **24-Nov-25** | **15-Dec-25** | **27-Feb-25** | **19-Mar-25** | **24-Apr-25** | **23-Oct-25** | **24-Nov-25** | **16-Dec-25** |
| **Sample ID** | | | | | **AQF11** | **AQF11** | **AQF11** | **AQF11** | **AQF11** | **AQF11** | **AQF-11** | **AQF11** | **AQF12** | **AQF12** | **AQF12** | **AQF12** | **AQF12** | **AQF12** |
| **Sampling Company** | | | | | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** |
| **Laboratory** | | | | | **STANTEC** | **ALS** | **STANTEC** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** |
| **Laboratory Work Order** | | | | | **FIELD2025** | **WP2503851** | **FIELD2025** | **WP2505523** | **WP2507527** | **WP2518837** | **WP2520511** | **WP2521492** | **WP2502751** | **WP2503851** | **WP2505523** | **WP2518837** | **WP2520511** | **WP2521634** |
| **Laboratory Sample ID** | | | | | **FIELD** | **WP2503851-012** | **FIELD** | **WP2505523-024** | **WP2507527-003** | **WP2518837-043** | **WP2520511-027** | **WP2521492-020** | **WP2502751-023** | **WP2503851-013** | **WP2505523-023** | **WP2518837-015** | **WP2520511-026** | **WP2521634-004** |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** | | | | | | | | | | | | | | |
| **Field Parameters** | | | | | | | | | | | | | | | | | | |
| Dissolved Oxygen, Field | mg/L | $>6.0^{BC}$ | $>6.5_{VAR}^{E}$ | n/v | 8.41 | 6.81 | **$5.34^{BCE}$** | **$6.44^{E}$** | 10.13 | 11.54 | 13.96 | 12.83 | 16.65 | 6.73 | **$5.89^{BCE}$** | 11.94 | 14.16 | 9.96 |
| Electrical Conductivity, Field | mS/cm | n/v | n/v | n/v | 40.1 | 41.6 | 43.3 | 50.6 | 76.5 | 52.8 | 53.7 | 50.8 | 8 | - | 40 | 97.8 | 53.8 | 53.7 |
| Oxidation Reduction Potential, field | mV | n/v | n/v | n/v | 10.1 | 90 | 95.5 | 57.9 | 139.8 | 119.7 | 217.9 | 134.7 | -103.9 | -118.9 | 51.9 | 168.4 | 234 | 130.8 |
| pH, Field | S.U. | $6.5\text{-}9.0^{C}$ | $6.5\text{-}9.0^{E}$ | n/v | 7.28 | 6.92 | 6.89 | 6.94 | 7.38 | 7.4 | 7.34 | 7.44 | 6.86 | 6.67 | 6.99 | 6.91 | 6.99 | 6.95 |
| Specific Conductance, Field | µS/cm | n/v | n/v | n/v | 76.9 | 78.1 | 74.6 | 94.1 | 94.6 | 84.6 | 100.6 | 95.7 | 15.2 | 106.7 | 74.3 | 163.8 | 99 | 101 |
| Temperature, Field | deg C | n/v | n/v | n/v | -0.1 | 0.5 | 2.9 | 1.2 | 15.0 | 5.281 | 0.615 | 0.419 | -0.1 | 0.1 | 0.7 | 3.975 | 1.102 | 0.455 |
| Total Dissolved Solids, Field | mg/L | n/v | n/v | n/v | 50.00 | 50.7 | 48.75 | 60.46 | 61.75 | 55 | 65 | 62 | 11.00 | 69.55 | 47.45 | - | 64 | 66 |
| Turbidity, Field | NTU | n/v | n/v | n/v | 3.62 | 0.75 | - | 1.52 | - | - | 1.81 | 0 | 4.25 | - | 0.76 | - | 0.92 | 1.83 |
| **General Chemistry** | | | | | | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | n/v | n/v | n/v | - | 4.6 | - | 2.8 | 2.9 | 2.5 | <2.0 | 2.3 | 9.0 | 13.3 | <2.0 | 2.7 | 3.3 | 4.2 |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | n/v | n/v | n/v | - | 48.2 | - | 31.9 | 41.7 | 43.1 | 47.8 | 49.4 | 54.0 | 63.0 | 14.5 | 32.8 | 43.6 | 42.8 |
| Alkalinity, Carbonate (as CaCO3) | mg/L | n/v | n/v | n/v | - | <2.0 | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | n/v | n/v | n/v | - | <2.0 | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Phenolphthalein | mg/L | n/v | n/v | n/v | - | <2.0 | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Total (as CaCO3) | mg/L | n/v | n/v | n/v | - | 48.2 | - | 31.9 | 41.7 | 43.1 | 47.8 | 49.4 | 54.0 | 63.0 | 14.5 | 32.8 | 43.6 | 42.8 |
| Ammonia (as N) | mg/L | $\text{Equation}^{*}{}_{TBC}^{BC}$ | $0.0173/190_{TBC2}^{E}$ | n/v | - | <0.0050 | - | 0.0244 | 0.0112 | 0.0147 | 0.0510 | 0.0429 | 0.348 | 0.595 | 0.156 | 0.0135 | 0.0202 | 0.0386 |
| **MSOG Ammonia Guideline (Chronic)** | | | | | - | 6.08 | - | 6.04 | 4.66 | 4.73 | 4.94 | 4.59 | 6.19 | 6.48 | 5.93 | 6.10 | 5.93 | 6.02 |
| **CCME Ammonia Guideline (Chronic)** | | | | | - | 19.00 | - | 12.58 | 1.83 | 12.58 | 6.02 | 6.02 | 19.00 | 19.00 | 19.00 | 12.58 | 12.58 | 19.00 |
| Bromide | mg/L | n/v | n/v | n/v | - | <0.10 | - | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| Chloride | mg/L | n/v | $640^{D}$ $120^{E}$ | n/v | - | 0.53 | - | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.58 | <0.50 | <0.50 | <0.50 | <0.50 |
| Cyanate | mg/L | n/v | n/v | n/v | - | <0.20 | - | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.26 | 0.44 | <0.20 | <0.20 | <0.20 | <0.20 |
| Cyanide | mg/L | $0.022/0.0052_{s1}^{C}$ | $0.005^{E}$ | n/v | - | <0.0010 | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Free) | mg/L | $0.022/0.0052_{s1}^{B}$ | $0.005^{E}$ | n/v | - | <0.0010 | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Weak Acid Dissociable) | mg/L | n/v | $0.005^{E}$ | n/v | - | <0.0010 | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Dissolved Organic Carbon (DOC) | mg/L | n/v | n/v | n/v | - | 13.6 | - | 10.6 | 14.1 | 15.2 | 16.1 | 15.2 | 19 | 20.4 | 6.54 | 17.8 | 21.5 | 20.5 |
| Electrical Conductivity, Lab | µS/cm | n/v | n/v | n/v | - | 101 | - | 66.7 | 86.1 | 90.3 | 97.3 | 104 | 117 | 128 | 31.4 | 75.8 | 96.2 | 89.7 |
| Fluoride | mg/L | n/v | $0.12^{E}$ | n/v | - | 0.093 | - | 0.061 | 0.085 | 0.087 | 0.092 | 0.098 | 0.079 | 0.073 | 0.042 | 0.054 | 0.076 | 0.075 |
| Hardness (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | - | - | 44.4 | 45.6 | 51.0 | - | - | - | 37.1 | 46.0 | 53.6 |
| Hardness (as CaCO3), dissolved | mg/L | n/v | n/v | n/v | - | 47.7 | - | 32.3 | 42.3 | 45.3 | 50.6 | 47.2 | 55.4 | 65.4 | 18.7 | 34.7 | 51.6 | 51.2 |
| Nitrate (as N) | mg/L | $13^{C}$ | $124^{D}$ $3.0^{E}$ | n/v | - | 0.145 | - | 0.109 | <0.020 | 0.025 | 0.031 | 0.049 | <0.020 | <0.020 | 0.043 | <0.020 | <0.020 | 0.036 |
| Nitrate + Nitrite (as N) | mg/L | $10^{B}$ $10^{C}$ | n/v | n/v | - | 0.145 | - | 0.109 | <0.0224 | 0.0250 | 0.0310 | 0.0490 | <0.0224 | <0.0224 | 0.0430 | <0.022 | <0.022 | 0.0360 |
| Nitrite (as N) | mg/L | $0.06^{C}$ | $0.06^{E}$ | n/v | - | <0.010 | - | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| pH, lab | S.U. | $6.5\text{-}9.0^{C}$ | $6.5\text{-}9.0^{E}$ | n/v | - | 7.85 | - | 7.35 | 7.82 | 7.79 | 7.81 | 7.59 | 7.06 | 7.77 | 7.29 | 7.42 | 7.53 | 7.27 |
| Phosphorus, Total | mg/L | $0.025^{A}$ | n/v | n/v | - | 0.0153 | - | 0.0247 | 0.0123 | 0.0206 | 0.0180 | 0.0158 | **$0.0290^{A}$** | **$0.0443^{A}$** | 0.0143 | **$0.0383^{A}$** | **$0.0334^{A}$** | **$0.0415^{A}$** |
| Phosphorus, Total (Dissolved) | mg/L | n/v | n/v | n/v | - | 0.0112 | - | 0.0065 | 0.0066 | 0.0071 | 0.0081 | 0.0107 | - | 0.0097 | 0.0034 | 0.0101 | 0.0077 | 0.0025 |
| Sulfate | mg/L | n/v | n/v | n/v | - | 0.96 | - | 0.68 | 0.80 | 0.55 | 0.85 | 0.71 | 2.15 | 0.71 | 0.39 | 1.98 | 2.90 | 2.76 |
| Thiocyanate | mg/L | n/v | n/v | n/v | - | 0.58 | - | <0.50 | 0.55 | <0.50 | <0.50 | <0.50 | <0.50 | 0.58 SFT | <0.50 | 0.59 | 0.62 | 0.71 |
| Total Dissolved Solids | mg/L | n/v | n/v | n/v | - | 77.9 | - | 57.3 | 48.2 | 57.7 | 71.3 | 75.8 | 96.2 | 106 | 17.0 | 58.2 | 88.0 | 59.0 |
| Total Kjeldahl Nitrogen | mg/L | n/v | n/v | n/v | - | 0.415 | - | 0.501 | 0.430 | 0.514 | 0.626 | 0.504 | 1.11 | 1.44 | 0.575 | 0.848 | 1.06 | 1.29 |
| Total Organic Carbon | mg/L | n/v | n/v | n/v | - | 13.7 | - | 10.0 | 13.6 | 14.2 | 13.8 | 14.8 | 20.2 | 22.1 | 8.56 | 18.4 | 23.0 | 23.3 |
| Total Suspended Solids | mg/L | $_{SN}^{BC}$ | $_{SN}^{E}$ | n/v | - | <1.0 | - | 7.2 | <1.0 | <1.0 | 5.5 | <1.0 | 2.9 | 26.4 | 2.6 | 10.7 | 2.2 | 10.2 |
| Turbidity, Lab | NTU | n/v | n/v | n/v | - | 0.36 | - | 1.55 | 0.74 | 1.28 | 0.64 | 0.52 | 1.79 | 6.98 | 0.98 | 2.14 | 1.79 | 2.40 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQF11 - Surface | | | | | | | | AQF12 - Surface | | | | | |
| Sample Date | | | | | 28-Feb-25 | 19-Mar-25 | 19-Mar-25 | 24-Apr-25 | 26-May-25 | 26-Oct-25 | 24-Nov-25 | 15-Dec-25 | 27-Feb-25 | 19-Mar-25 | 24-Apr-25 | 23-Oct-25 | 24-Nov-25 | 16-Dec-25 |
| Sample ID | | | | | AQF11 | AQF11 | AQF11 | AQF11 | AQF11 | AQF11 | AQF-11 | AQF11 | AQF12 | AQF12 | AQF12 | AQF12 | AQF12 | AQF12 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | STANTEC | ALS | STANTEC | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | FIELD2025 | WP2503851 | FIELD2025 | WP2505523 | WP2507527 | WP2518837 | WP2520511 | WP2521492 | WP2502751 | WP2503851 | WP2505523 | WP2518837 | WP2520511 | WP2521634 |
| Laboratory Sample ID | | | | | FIELD | WP2503851-012 | FIELD | WP2505523-024 | WP2507527-003 | WP2518837-043 | WP2520511-027 | WP2521492-020 | WP2502751-023 | WP2503851-013 | WP2505523-023 | WP2518837-015 | WP2520511-026 | WP2521634-004 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | |
| **Metals, Dissolved** | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | n/v | n/v | n/v | - | 0.0065 | - | 0.0034 | 0.0129 | 0.0097 | 0.0107 | 0.0109 | 0.0289 | 0.0396 | 0.0058 | 0.0229 | 0.0353 | 0.0353 |
| Antimony | mg/L | n/v | n/v | n/v | - | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | 0.34/0.15$_{s2}^{BC}$ | n/v | n/v | - | 0.00035 | - | 0.00018 | 0.00020 | 0.00025 | 0.00025 | 0.00025 | 0.00023 | 0.00024 | <0.00010 | 0.00018 | 0.00022 | 0.00023 |
| Barium | mg/L | n/v | n/v | n/v | - | 0.0101 | - | 0.00705 | 0.00676 | 0.00699 | 0.00761 | 0.00771 | 0.0180 | 0.0211 | 0.00648 | 0.00792 | 0.00999 | 0.0109 |
| Beryllium | mg/L | n/v | n/v | n/v | - | <0.000020 | - | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | - | <0.000050 | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | n/v | n/v | n/v | - | <0.010 | - | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | - | <0.0000050 | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000078 | <0.0000050 | <0.0000050 | <0.0000050 |
| **MSOG Cadmium Guideline (Chronic)** | | | | | - | 0.00015 | - | 0.00011 | 0.00014 | 0.00014 | 0.00015 | 0.00015 | 0.00016 | 0.00018 | 0.00008 | 0.00012 | 0.00016 | 0.00016 |
| **MSOG Cadmium Guideline (Acute)** | | | | | - | 0.00098 | - | 0.00067 | 0.00087 | 0.00093 | 0.00104 | 0.00105 | 0.00113 | 0.00133 | 0.00039 | 0.00077 | 0.00106 | 0.00110 |
| Calcium | mg/L | n/v | n/v | n/v | - | 13.4 | - | 8.58 | 11.4 | 12.3 | 13.5 | 12.7 | 15.3 | 19.1 | 5.88 | 9.21 | 13.7 | 14.0 |
| Cesium | mg/L | n/v | n/v | n/v | - | <0.000010 | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | - | <0.00050 | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| **MSOG Chromium Guideline (Chronic)** | | | | | - | 0.00610 | - | 0.00502 | 0.00575 | 0.00595 | 0.00628 | 0.00631 | 0.00658 | 0.00715 | 0.00381 | 0.00538 | 0.00635 | 0.00647 |
| Cobalt | mg/L | n/v | n/v | n/v | - | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00021 RRV | <0.00010 | 0.00017 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Copper | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s2}^{F}$ | - | 0.00042 | - | 0.00026 | 0.00034 | 0.00040 | 0.00030 | 0.00032 | <0.00020 | <0.00020 | 0.00021 | 0.00064 | 0.00041 | 0.00032 |
| **MSOG Copper Guideline (Chronic)** | | | | | - | 0.00476 | - | 0.00341 | 0.00429 | 0.00455 | 0.00500 | 0.00504 | 0.00541 | 0.00623 | 0.00214 | 0.00384 | 0.00509 | 0.00526 |
| **MSOG Copper Guideline (Acute)** | | | | | - | 0.0067 | - | 0.0046 | 0.0060 | 0.0064 | 0.0071 | 0.0071 | 0.0077 | 0.0090 | 0.0028 | 0.0053 | 0.0072 | 0.0075 |
| **FEQG Copper Guideline (Chronic)** | | | | | - | 0.0043 | - | 0.0030 | 0.0096 | 0.0106 | 0.0107 | 0.0113 | 0.0056 | 0.0042 | 0.0017 | 0.0049 | 0.0080 | 0.0071 |
| Iron | mg/L | n/v | n/v | n/v | - | 0.031 | - | 0.057 | 0.096 | 0.047 | 0.055 | 0.047 | 0.709 | 2.52 | 0.231 | 0.045 | 0.065 | 0.079 |
| Lead | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s3}^{F}$ | - | <0.000050 | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| **MSOG Lead Guideline (Chronic)** | | | | | - | 0.00111 | - | 0.00072 | 0.00098 | 0.00105 | 0.00119 | 0.00120 | 0.00132 | 0.00158 | 0.00039 | 0.00084 | 0.00122 | 0.00127 |
| **MSOG Lead Guideline (Acute)** | | | | | - | 0.02860 | - | 0.01851 | 0.02502 | 0.02701 | 0.03054 | 0.03081 | 0.03376 | 0.04056 | 0.01000 | 0.02162 | 0.03121 | 0.03255 |
| **FEQG Lead Guideline (Chronic)** | | | | | - | 0.0135 | - | 0.0109 | 0.0134 | 0.0142 | 0.0149 | 0.0145 | 0.0166 | 0.0178 | 0.0076 | 0.0147 | 0.0174 | 0.0171 |
| Lithium | mg/L | n/v | n/v | n/v | - | <0.0010 | - | <0.0010 | 0.0018 | 0.0011 | 0.0024 | 0.0016 | 0.0012 | 0.0012 | <0.0010 | 0.0012 | 0.0025 | 0.0020 |
| Magnesium | mg/L | n/v | n/v | n/v | - | 3.45 | - | 2.64 | 3.36 | 3.55 | 4.09 | 3.77 | 4.19 | 4.30 | 0.974 | 2.85 | 4.22 | 3.95 |
| Manganese | mg/L | n/v | Equation*$_{EQ3,EQ4}^{DE}$ | n/v | - | 0.0125 | - | 0.0665 | 0.00690 | 0.00294 | 0.00338 | 0.00404 | 0.168 | 0.344 | 0.0910 | 0.00157 | 0.00136 | 0.0108 |
| **CCME Manganese Guideline (Chronic)** | | | | | - | 0.350 | - | 0.350 | 0.350 | 0.350 | 0.430 | 0.430 | 0.430 | 0.490 | 0.230 | 0.380 | 0.490 | 0.500 |
| **CCME Manganese Guideline (Acute)** | | | | | - | 3.475 | - | 2.468 | 3.127 | 3.321 | 3.660 | 3.685 | 3.963 | 4.585 | 1.527 | 2.787 | 3.723 | 3.850 |
| Mercury | mg/L | n/v | n/v | n/v | - | <0.0000050 | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 SFP |
| Methyl Mercury | µg/L | n/v | n/v | n/v | - | 0.000041 | - | 0.000048 | 0.000036 | - | - | - | 0.00130 | 0.00233 | 0.000441 | - | - | - |
| Molybdenum | mg/L | n/v | n/v | n/v | - | 0.00136 | - | 0.000923 | 0.00117 | 0.00122 | 0.00131 | 0.00130 | 0.00802 | 0.00556 | 0.00202 | 0.00667 | 0.00855 | 0.00826 |
| Nickel | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | - | <0.00050 | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00073 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| **MSOG Nickel Guideline (Chronic)** | | | | | - | 0.028 | - | 0.020 | 0.025 | 0.027 | 0.029 | 0.029 | 0.032 | 0.036 | 0.013 | 0.022 | 0.030 | 0.031 |
| **MSOG Nickel Guideline (Acute)** | | | | | - | 0.250 | - | 0.180 | 0.226 | 0.240 | 0.263 | 0.265 | 0.284 | 0.327 | 0.113 | 0.202 | 0.268 | 0.276 |
| Phosphorus | mg/L | n/v | n/v | n/v | - | <0.050 | - | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | - | 0.956 | - | 0.652 | 0.774 | 0.827 | 0.933 | 0.918 | 1.12 | 1.17 | 0.297 | 0.719 | 0.986 | 1.02 |
| Rubidium | mg/L | n/v | n/v | n/v | - | 0.00111 | - | 0.00065 | 0.00083 | 0.00093 | 0.00101 | 0.00093 | 0.00142 | 0.00126 | 0.00030 | 0.00103 | 0.00128 | 0.00128 |
| Selenium | mg/L | n/v | n/v | n/v | - | 0.000074 | - | 0.000054 | 0.000061 | <0.000050 | 0.000057 | 0.000064 | 0.000068 | 0.000106 | <0.000050 | <0.000050 | 0.000076 | <0.000050 |
| Silicon | mg/L | n/v | n/v | n/v | - | 2.68 | - | 2.03 | 2.44 | 2.42 | 2.74 | 2.76 | 2.48 | 3.70 | 0.714 | 1.34 | 1.75 | 2.00 |
| Silver | mg/L | n/v | n/v | n/v | - | <0.000010 | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | - | 1.84 | - | 1.81 | 1.74 | 1.85 | 2.22 | 2.04 | 2.30 | 2.26 | 0.677 | 1.71 | 2.26 | 2.24 |
| Strontium | mg/L | n/v | n/v | 2.5$^{F}$ | - | 0.0286 | - | 0.0189 | 0.0222 | 0.0249 | 0.0276 | 0.0265 | 0.0342 | 0.0413 | 0.0128 | 0.0221 | 0.0301 | 0.0288 |
| Sulfur | mg/L | n/v | n/v | n/v | - | <0.50 | - | <0.50 | <0.50 | <0.50 | 0.73 | <0.50 | 1.07 | <0.50 | <0.50 | 0.84 | 1.55 | 1.29 |
| Tellurium | mg/L | n/v | n/v | n/v | - | <0.00020 | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | n/v | n/v | n/v | - | <0.000010 | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | - | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | - | <0.00010 | - | <0.00010 | 0.00011 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | - | <0.00030 | - | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | 0.00039 | 0.00061 | <0.00030 | <0.00030 | 0.00043 | 0.00041 |
| Tungsten | mg/L | n/v | n/v | n/v | - | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | n/v | n/v | n/v | - | 0.000074 | - | 0.000046 | 0.000068 | 0.000061 | 0.000065 | 0.000067 | 0.000020 | 0.000021 | <0.000010 | 0.000021 | 0.000026 | 0.000026 |
| Vanadium | mg/L | n/v | n/v | n/v | - | <0.00050 | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | Equation*$_{s5}^{BC}$ | Equation*$_{EQ1,EQ2}^{DE}$ | n/v | - | 0.0014 | - | 0.0019 | <0.0010 | 0.0019 | <0.0010 | <0.0010 | 0.0010 | <0.0010 | 0.0013 | 0.0039 | <0.0010 | 0.0019 |
| **MSOG Zinc Guideline (Chronic)** | | | | | - | 0.063 | - | 0.045 | 0.057 | 0.060 | 0.066 | 0.067 | 0.072 | 0.082 | 0.029 | 0.051 | 0.067 | 0.070 |
| **MSOG Zinc Guideline (Acute)** | | | | | - | 0.063 | - | 0.045 | 0.057 | 0.060 | 0.066 | 0.066 | 0.071 | 0.082 | 0.028 | 0.051 | 0.067 | 0.069 |
| **CCME Zinc Guideline (Chronic)** | | | | | - | 0.019 | - | 0.018 | 0.017 | 0.020 | 0.022 | 0.026 | 0.047 | 0.032 | 0.009 | 0.023 | 0.031 | 0.039 |
| **CCME Zinc Guideline (Acute)** | | | | | - | 0.079 | - | 0.054 | 0.072 | 0.078 | 0.087 | 0.086 | 0.097 | 0.114 | 0.030 | 0.069 | 0.094 | 0.096 |
| Zirconium | mg/L | n/v | n/v | n/v | - | <0.00030 | - | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQF11 - Surface | | | | | | | | AQF12 - Surface | | | | | |
| Sample Date | | | | | 28-Feb-25 | 19-Mar-25 | 19-Mar-25 | 24-Apr-25 | 26-May-25 | 26-Oct-25 | 24-Nov-25 | 15-Dec-25 | 27-Feb-25 | 19-Mar-25 | 24-Apr-25 | 23-Oct-25 | 24-Nov-25 | 16-Dec-25 |
| Sample ID | | | | | AQF11 | AQF11 | AQF11 | AQF11 | AQF11 | AQF11 | AQF-11 | AQF11 | AQF12 | AQF12 | AQF12 | AQF12 | AQF12 | AQF12 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | STANTEC | ALS | STANTEC | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | FIELD2025 | WP2503851 | FIELD2025 | WP2505523 | WP2507527 | WP2518837 | WP2520511 | WP2521492 | WP2502751 | WP2503851 | WP2505523 | WP2518837 | WP2520511 | WP2521634 |
| Laboratory Sample ID | | | | | FIELD | WP2503851-012 | FIELD | WP2505523-024 | WP2507527-003 | WP2518837-043 | WP2520511-027 | WP2521492-020 | WP2502751-023 | WP2503851-013 | WP2505523-023 | WP2518837-015 | WP2520511-026 | WP2521634-004 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | |
| **Metals, Total** | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | $0.005/0.1_{VAR}^{C}$ | $0.005/0.1_{VAR1}^{E}$ | Equation*$_{s1}^{F}$ | - | 0.0120 | - | **0.130$^{CE}$** | 0.0219 | 0.0216 | 0.0150 | 0.0161 | 0.0363 | 0.0566 | 0.0378 | 0.0318 | 0.0392 | 0.0518 |
| FEQG Aluminum Guideline (Chronic) | | | | | - | 0.77 | - | 0.64 | 1.1 | 1.2 | 1.1 | 1.2 | 0.76 | 0.69 | 0.42 | 0.71 | 0.84 | 0.82 |
| Antimony | mg/L | n/v | n/v | n/v | - | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00014 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | n/v | $0.005^{E}$ | n/v | - | 0.00023 | - | 0.00022 | 0.00023 | 0.00030 | 0.00027 | 0.00030 | 0.00019 | 0.00026 | 0.00011 | 0.00019 | 0.00022 | 0.00028 |
| Barium | mg/L | n/v | n/v | n/v | - | 0.00873 | - | 0.00864 | 0.00671 | 0.00729 | 0.00811 | 0.00807 | 0.0203 | 0.0211 | 0.00744 | 0.00834 | 0.0108 | 0.0117 |
| Beryllium | mg/L | n/v | n/v | n/v | - | <0.000020 | - | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | - | <0.000050 | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | $29/1.5_{s3}^{C}$ | $29^{D}$ $1.5^{E}$ | n/v | - | <0.010 | - | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | n/v | $0.001_{STB}^{D}$ $0.00009_{LTG}^{E}$ | n/v | - | <0.0000050 | - | 0.0000060 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000055 | 0.0000062 | 0.0000053 | 0.0000078 |
| CCME Cadmium Guideline (Chronic) | | | | | 0.00004 | 0.00009 | 0.00004 | 0.00006 | 0.00008 | 0.00008 | 0.00009 | 0.00009 | 0.00010 | 0.00011 | 0.00004 | 0.00007 | 0.00009 | 0.00009 |
| CCME Cadmium Guideline (Acute) | | | | | 0.00011 | 0.00099 | 0.00011 | 0.00067 | 0.00088 | 0.00094 | 0.00105 | 0.00106 | 0.00115 | 0.00136 | 0.00038 | 0.00077 | 0.00107 | 0.00111 |
| Calcium | mg/L | n/v | n/v | n/v | - | 12.7 | - | 9.33 | 10.6 | 11.8 | 11.6 | 13.8 | 15.2 | 18.6 | 6.64 | 9.75 | 11.8 | 14.5 |
| Cesium | mg/L | n/v | n/v | n/v | - | <0.000010 | - | 0.000016 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | n/v | n/v | n/v | - | <0.00050 | - | 0.00051 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 RRV | <0.00050 | <0.00050 | <0.00050 |
| Chromium (Hexavalent) | mg/L | n/v | $0.001^{E}$ | $0.005^{F}$ | - | 0.00066 | - | **0.00149$^{E}$** | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | **0.00114 RRV$^{E}$** | <0.00050 | <0.00050 | <0.00050 |
| Cobalt | mg/L | n/v | n/v | Equation*$_{s4}^{F}$ | - | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00017 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| FEQG Cobalt Guideline (Chronic) | | | | | - | 0.0008 | - | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0009 | 0.0008 | 0.0008 | 0.0008 | 0.0008 |
| Copper | mg/L | n/v | Equation*$_{EQ6}^{E}$ | n/v | - | <0.00050 | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00065 | 0.00066 | 0.00054 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| CWQG Copper Guideline (Chronic) | | | | | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| Iron | mg/L | $0.3^{C}$ | $0.3^{E}$ | Equation*$_{s5}^{F}$ | - | 0.045 | - | 0.214 | 0.148 | 0.120 | 0.090 | 0.077 | **0.779$^{CE}$** | **2.61$^{CEF}$** | **0.452$^{CE}$** | 0.062 | 0.072 | 0.092 |
| FEQG Iron Guideline (Chronic) | | | | | - | 0.80 | - | 0.78 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.79 | 0.58 | 0.80 | 0.80 | 0.80 |
| Lead | mg/L | n/v | Equation*$_{EQ5}^{E}$ | n/v | - | <0.000050 | - | 0.000070 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| CWQG Lead Guideline (Chronic) | | | | | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.001 | 0.001 | 0.001 | 0.001 |
| Lithium | mg/L | n/v | n/v | n/v | - | 0.0010 | - | <0.0010 | <0.0010 | 0.0012 | 0.0012 | 0.0020 | <0.0010 | 0.0014 | <0.0010 | 0.0016 | 0.0012 | 0.0022 |
| Magnesium | mg/L | n/v | n/v | n/v | - | 3.96 | - | 2.85 | 3.51 | 3.62 | 4.03 | 4.01 | 4.47 | 4.50 | 1.10 | 3.09 | 4.02 | 4.23 |
| Manganese | mg/L | n/v | n/v | n/v | - | 0.0182 | - | 0.0773 | 0.0130 | 0.0132 | 0.00557 | 0.00612 | 0.182 | 0.351 | 0.0999 | 0.00453 | 0.00208 | 0.00979 |
| Mercury | mg/L | $0.000026^{C}$ | $0.000026^{E}$ | n/v | - | <0.0000050 | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000058 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | $0.004^{E}$ | n/v | - | 0.000047 | - | 0.000046 | 0.000034 | - | - | - | 0.00118 | 0.00254 | 0.000502 | - | - | - |
| Molybdenum | mg/L | $0.073^{C}$ | $0.073^{E}$ | n/v | - | 0.00142 | - | 0.000945 | 0.00114 | 0.00127 | 0.00128 | 0.00141 | 0.00868 | 0.00770 | 0.00236 | 0.00684 | 0.00806 | 0.00894 |
| Nickel | mg/L | n/v | Equation*$_{EQ7}^{E}$ | n/v | - | <0.00050 | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| CWQG Nickel Guideline (Chronic) | | | | | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.069 | 0.025 | 0.025 | 0.025 | 0.025 |
| Phosphorus | mg/L | n/v | n/v | n/v | - | <0.050 | - | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | - | 0.871 | - | 0.663 | 0.844 | 0.804 | 0.906 | 0.936 | 1.20 | 1.17 | 0.316 | 0.709 | 0.967 | 1.02 |
| Rubidium | mg/L | n/v | n/v | n/v | - | 0.00102 | - | 0.00088 | 0.00088 | 0.00085 | 0.00089 | 0.00105 | 0.00141 | 0.00150 | 0.00037 | 0.00092 | 0.00126 | 0.00143 |
| Selenium | mg/L | $0.001^{C}$ | $0.001^{E}$ | n/v | - | <0.000050 | - | <0.000050 | 0.000069 | 0.000064 | 0.000074 | 0.000065 | 0.000093 | <0.000050 | 0.000067 | <0.000050 | 0.000053 | 0.000057 |
| Silicon | mg/L | n/v | n/v | n/v | - | 2.80 | - | 2.47 | 2.44 | 2.38 | 2.67 | 2.84 | 2.69 | 3.79 | 0.99 | 1.42 | 1.77 | 2.08 |
| Silver | mg/L | $0.0001^{C}$ | $0.00025^{E}$ | n/v | - | <0.000010 | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | - | 2.00 | - | 1.80 | 1.74 | 1.83 | 2.05 | 2.15 | 2.50 | 2.23 | 0.750 | 1.66 | 2.11 | 2.24 |
| Strontium | mg/L | n/v | n/v | n/v | - | 0.0293 | - | 0.0193 | 0.0216 | 0.0240 | 0.0273 | 0.0286 | 0.0337 | 0.0428 | 0.0142 | 0.0227 | 0.0284 | 0.0303 |
| Sulfur | mg/L | n/v | n/v | n/v | - | <0.50 | - | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.14 | 0.56 | <0.50 | 0.94 | 1.36 | 1.30 |
| Tellurium | mg/L | n/v | n/v | n/v | - | <0.00020 | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | 0.00021 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | $0.0008^{C}$ | $0.0008^{E}$ | n/v | - | <0.000010 | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | - | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | - | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | - | <0.00030 | - | 0.00526 | 0.00054 | 0.00058 | 0.00035 | <0.00030 | 0.00059 | 0.00118 | 0.00087 | 0.00056 | 0.00056 | 0.00089 |
| Tungsten | mg/L | n/v | n/v | n/v | - | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | $0.033/0.015_{s4}^{C}$ | $0.033^{D}$ $0.015^{E}$ | n/v | - | 0.000072 | - | 0.000084 | 0.000076 | 0.000077 | 0.000079 | 0.000081 | 0.000024 | 0.000025 | 0.000013 | 0.000023 | 0.000029 | 0.000034 |
| Vanadium | mg/L | n/v | n/v | $0.12^{F}$ | - | <0.00050 | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | n/v | n/v | n/v | - | <0.0030 | - | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | 0.0030 |
| Zirconium | mg/L | n/v | n/v | n/v | - | <0.00020 | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQF13 - Surface | | | | | | AQF13 - Deep | | | | | |
| Sample Date | | | | | 20-Mar-25 | 24-Apr-25 | 26-May-25 | 23-Oct-25 | 23-Nov-25 | 13-Dec-25 | 20-Mar-25 | 24-Apr-25 | 26-May-25 | 23-Oct-25 | 23-Nov-25 | 13-Dec-25 |
| Sample ID | | | | | AQF13 - Surface | AQF13 - surface | AQF13-Surface | AQF13-surface | AQF13- Surface | AQF13-Surface | AQF13 - Deep | AQF13 - deep | AQF13-Deep | AQF13-deep | AQF13-Deep | AQF13-Deep |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2503851 | WP2505523 | WP2507527 | WP2518837 | WP2520511 | WP2521492 | WP2503851 | WP2505523 | WP2507527 | WP2518837 | WP2520511 | WP2521492 |
| Laboratory Sample ID | | | | | WP2503851-019 | WP2505523-017 | WP2507527-005 | WP2518837-018 | WP2520511-012 | WP2521492-001 | WP2503851-020 | WP2505523-018 | WP2507527-006 | WP2518837-019 | WP2520511-013 | WP2521492-002 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | |
| **Field Parameters** | | | | | | | | | | | | | | | | |
| Dissolved Oxygen, Field | mg/L | $>6.0^{BC}$ | $>6.5_{VAR}^{E}$ | n/v | 10.44 | 8.72 | 11.6 | 12.97 | 15.72 | 16.61 | **1.53**$^{BCE}$ | **1.55**$^{BCE}$ | 10.59 | 12.88 | 12.31 | **2.98**$^{BCE}$ |
| Electrical Conductivity, Field | mS/cm | n/v | n/v | n/v | 52.5 | 50.1 | 50.1 | 80.3 | 38.7 | 45 | 62.4 | 57.4 | 49.9 | 86.4 | 40.8 | 68.1 |
| Oxidation Reduction Potential, field | mV | n/v | n/v | n/v | 54.5 | 117 | 158.4 | 121.3 | 103 | 208.7 | 84.6 | 47.8 | 81.7 | 100.1 | 121.5 | 62.9 |
| pH, Field | S.U. | $6.5\text{-}9.0^{C}$ | $6.5\text{-}9.0^{E}$ | n/v | 6.98 | 6.93 | 7.79 | 7.64 | 7.79 | 7.62 | 6.71 | 6.66 | 7.71 | 7.33 | 7.3 | 6.73 |
| Specific Conductance, Field | µS/cm | n/v | n/v | n/v | 97.3 | 92.5 | 61.8 | 132.8 | 73.1 | 84.5 | 103.6 | 93.8 | 61.7 | 142.2 | 70.4 | 111.1 |
| Temperature, Field | deg C | n/v | n/v | n/v | 0.9 | 1 | 15.1 | 4.301 | 0.374 | 0.504 | 4.2 | 4.7 | 14.8 | 4.46 | 3.003 | 4.736 |
| Total Dissolved Solids, Field | mg/L | n/v | n/v | n/v | 63.05 | 60.45 | 40.30 | 86 | 48 | 55 | 67.6 | 61.1 | 41.60 | 92 | 46 | 72 |
| Turbidity, Field | NTU | n/v | n/v | n/v | 0.93 | 0.61 | - | - | 0 | 2.29 | 1.14 | 1.59 | - | - | 1.61 | 0.92 |
| **General Chemistry** | | | | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | n/v | n/v | n/v | 3.8 | 3.2 | 3.3 | <2.0 | <2.0 | 2.6 | 6.2 | 4.5 | 3.3 | <2.0 | <2.0 | 2.2 |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | n/v | n/v | n/v | 37.1 | 46.1 | 26.8 | 29.8 | 34.2 | 38.7 | 37.9 | 39.1 | 26.9 | 29.7 | 32.5 | 35.3 |
| Alkalinity, Carbonate (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Phenolphthalein | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Total (as CaCO3) | mg/L | n/v | n/v | n/v | 37.1 | 46.1 | 26.8 | 29.8 | 34.2 | 38.7 | 37.9 | 39.1 | 26.9 | 29.7 | 32.5 | 35.3 |
| Ammonia (as N) | mg/L | Equation*$_{TBC}^{BC}$ | $0.0173/190_{TBC2}^{E}$ | n/v | 0.0367 | 0.0379 | <0.0050 | 0.0080 | 0.0159 | 0.0364 | 0.136 | 0.0628 | <0.0050 | 0.0103 | 0.0237 | 0.106 |
| MSOG Ammonia Guideline (Chronic) | | | | | 5.95 | 6.06 | 3.10 | 3.82 | 3.22 | 3.90 | 6.43 | 6.49 | 3.47 | 4.98 | 5.08 | 6.40 |
| CCME Ammonia Guideline (Chronic) | | | | | 19.00 | 12.58 | 0.59 | 1.27 | 1.92 | 1.92 | 12.58 | 12.58 | 0.59 | 3.98 | 3.98 | 12.58 |
| Bromide | mg/L | n/v | n/v | n/v | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| Chloride | mg/L | n/v | $640^{D}$ $120^{E}$ | n/v | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Cyanate | mg/L | n/v | n/v | n/v | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| Cyanide | mg/L | $0.022/0.0052_{s1}^{C}$ | $0.005^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Free) | mg/L | $0.022/0.0052_{s1}^{B}$ | $0.005^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Weak Acid Dissociable) | mg/L | n/v | $0.005^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Dissolved Organic Carbon (DOC) | mg/L | n/v | n/v | n/v | 12.8 | 15.7 | 11.6 | 13.1 | 12.5 | 12.3 | 10.4 | 12.4 | 10.8 | 11 | 11.6 | 10.5 |
| Electrical Conductivity, Lab | µS/cm | n/v | n/v | n/v | 79.7 | 97.7 | 56.8 | 62.7 | 72.3 | 82.0 | 80.9 | 81.8 | 55.4 | 62.2 | 68.5 | 72.8 |
| Fluoride | mg/L | n/v | $0.12^{E}$ | n/v | 0.051 | 0.056 | 0.041 | 0.039 | 0.048 | 0.044 | 0.046 | 0.048 | 0.040 | 0.037 | 0.045 | 0.048 |
| Hardness (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | 29.4 | 31.8 | 39.0 | - | - | - | 28.9 | 30.6 | 33.6 |
| Hardness (as CaCO3), dissolved | mg/L | n/v | n/v | n/v | 34.8 | 44.3 | 25.6 | 27.9 | 37.0 | 35.9 | 34.5 | 37.2 | 26.2 | 27.4 | 34.9 | 31.8 |
| Nitrate (as N) | mg/L | $13^{C}$ | $124^{D}$ $3.0^{E}$ | n/v | 0.122 | 0.179 | <0.020 | <0.020 | <0.020 | <0.020 | 0.191 | 0.158 | <0.020 | <0.020 | <0.020 | <0.020 |
| Nitrate + Nitrite (as N) | mg/L | $10^{B}$ $10^{C}$ | n/v | n/v | 0.122 | 0.179 | <0.0224 | <0.022 | <0.022 | <0.022 | 0.191 | 0.158 | <0.0224 | <0.022 | <0.022 | <0.022 |
| Nitrite (as N) | mg/L | $0.06^{C}$ | $0.06^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| pH, lab | S.U. | $6.5\text{-}9.0^{C}$ | $6.5\text{-}9.0^{E}$ | n/v | 7.76 | 7.50 | 7.69 | 7.60 | 7.66 | 7.47 | 7.73 | 7.25 | 7.68 | 7.61 | 7.62 | 7.20 |
| Phosphorus, Total | mg/L | $0.025^{A}$ | n/v | n/v | 0.0084 | 0.0121 | 0.0102 | 0.0130 | 0.0120 | 0.0111 | 0.0096 | 0.0138 | 0.0156 | 0.0128 | 0.0126 | 0.0120 |
| Phosphorus, Total (Dissolved) | mg/L | n/v | n/v | n/v | 0.0037 | 0.0046 | 0.0028 | 0.0036 | 0.0031 | 0.0035 | 0.0031 | 0.0040 | 0.0032 | 0.0036 | 0.0036 | 0.0037 |
| Sulfate | mg/L | n/v | n/v | n/v | 0.54 | 0.78 | 0.38 | 0.34 | 0.52 | 0.38 | 0.38 | 0.46 | 0.37 | <0.30 | 0.57 | <0.30 |
| Thiocyanate | mg/L | n/v | n/v | n/v | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Total Dissolved Solids | mg/L | n/v | n/v | n/v | 59.6 | 53.0 | 31.6 | 44.8 | 37.0 | 58.1 | 58.6 | 66.0 | 27.4 | 46.8 | 38.0 | 48.4 |
| Total Kjeldahl Nitrogen | mg/L | n/v | n/v | n/v | 0.549 | 0.710 | 0.446 | 0.610 | 0.609 | 0.612 | 0.586 | 0.554 | 0.456 | 0.666 | 0.627 | 0.590 |
| Total Organic Carbon | mg/L | n/v | n/v | n/v | 12.5 | 14.0 | 9.58 | 11.9 | 12.4 | 13.3 | 11.1 | 10.9 | 9.42 | 10.6 | 11.3 | 10.9 |
| Total Suspended Solids | mg/L | $_{SN}^{BC}$ | $_{SN}^{E}$ | n/v | <1.0 | 2.2 | 1.4 | <1.0 | <1.0 | <1.0 | 1.2 | 3.1 | 10.2 | 1.3 | <1.0 | <1.0 |
| Turbidity, Lab | NTU | n/v | n/v | n/v | 0.52 | 0.63 | 0.86 | 1.34 | 0.93 | 0.84 | 1.59 | 2.17 | 1.11 | 1.37 | 1.13 | 1.19 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQF13 - Surface | | | | | | AQF13 - Deep | | | | | |
| Sample Date | | | | | 20-Mar-25 | 24-Apr-25 | 26-May-25 | 23-Oct-25 | 23-Nov-25 | 13-Dec-25 | 20-Mar-25 | 24-Apr-25 | 26-May-25 | 23-Oct-25 | 23-Nov-25 | 13-Dec-25 |
| Sample ID | | | | | AQF13 - Surface | AQF13 - surface | AQF13-Surface | AQF13-surface | AQF13- Surface | AQF13-Surface | AQF13 - Deep | AQF13 - deep | AQF13-Deep | AQF13-deep | AQF13-Deep | AQF13-Deep |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2503851 | WP2505523 | WP2507527 | WP2518837 | WP2520511 | WP2521492 | WP2503851 | WP2505523 | WP2507527 | WP2518837 | WP2520511 | WP2521492 |
| Laboratory Sample ID | | | | | WP2503851-019 | WP2505523-017 | WP2507527-005 | WP2518837-018 | WP2520511-012 | WP2521492-001 | WP2503851-020 | WP2505523-018 | WP2507527-006 | WP2518837-019 | WP2520511-013 | WP2521492-002 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | |
| **Metals, Dissolved** | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | n/v | n/v | n/v | 0.0034 | 0.0033 | 0.0125 | 0.0058 | 0.0055 | 0.0064 | 0.0034 | 0.0032 | 0.0138 | 0.0046 | 0.0056 | 0.0062 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | 0.34/0.15$_{s2}^{BC}$ | n/v | n/v | 0.00028 | 0.00044 | 0.00020 | 0.00026 | 0.00036 | 0.00031 | 0.00025 | 0.00029 | 0.00021 | 0.00024 | 0.00035 | 0.00024 |
| Barium | mg/L | n/v | n/v | n/v | 0.0110 | 0.0148 | 0.00646 | 0.00783 | 0.00861 | 0.0102 | 0.0171 | 0.0197 | 0.00661 | 0.00774 | 0.00815 | 0.00948 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | n/v | n/v | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.0000050 | 0.0000053 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| MSOG Cadmium Guideline (Chronic) | | | | | 0.00012 | 0.00014 | 0.00010 | 0.00010 | 0.00012 | 0.00013 | 0.00012 | 0.00012 | 0.00010 | 0.00010 | 0.00012 | 0.00012 |
| MSOG Cadmium Guideline (Acute) | | | | | 0.00072 | 0.00091 | 0.00053 | 0.00061 | 0.00077 | 0.00081 | 0.00071 | 0.00077 | 0.00055 | 0.00060 | 0.00072 | 0.00070 |
| Calcium | mg/L | n/v | n/v | n/v | 10.4 | 12.9 | 7.71 | 8.43 | 11.2 | 10.6 | 10.6 | 11.3 | 7.94 | 8.28 | 10.5 | 9.45 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| MSOG Chromium Guideline (Chronic) | | | | | 0.00521 | 0.00588 | 0.00446 | 0.00479 | 0.00537 | 0.00552 | 0.00519 | 0.00539 | 0.00452 | 0.00474 | 0.00522 | 0.00512 |
| Cobalt | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00016 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00031 RRV |
| Copper | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s2}^{F}$ | 0.00041 | 0.00048 | 0.00027 | 0.00025 | 0.00022 | 0.00100 RRV | 0.00098 RRV | 0.00034 | 0.00027 | 0.00069 | 0.00034 | 0.00029 |
| MSOG Copper Guideline (Chronic) | | | | | 0.00363 | 0.00447 | 0.00280 | 0.00315 | 0.00383 | 0.00401 | 0.00361 | 0.00385 | 0.00285 | 0.00310 | 0.00364 | 0.00353 |
| MSOG Copper Guideline (Acute) | | | | | 0.0050 | 0.0062 | 0.0037 | 0.0042 | 0.0053 | 0.0055 | 0.0049 | 0.0053 | 0.0038 | 0.0042 | 0.0050 | 0.0048 |
| FEQG Copper Guideline (Chronic) | | | | | 0.0041 | 0.0049 | 0.0112 | 0.0108 | 0.0125 | 0.0105 | 0.0018 | 0.0019 | 0.0097 | 0.0061 | 0.0065 | 0.0018 |
| Iron | mg/L | n/v | n/v | n/v | <0.010 | <0.010 | 0.019 | <0.010 | <0.010 | 0.010 | 0.067 | 0.052 | 0.024 | <0.010 | <0.010 | <0.010 |
| Lead | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s3}^{F}$ | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000082 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| MSOG Lead Guideline (Chronic) | | | | | 0.00078 | 0.00103 | 0.00056 | 0.00065 | 0.00084 | 0.00089 | 0.00078 | 0.00084 | 0.00057 | 0.00064 | 0.00079 | 0.00075 |
| MSOG Lead Guideline (Acute) | | | | | 0.02012 | 0.02634 | 0.01426 | 0.01666 | 0.02155 | 0.02286 | 0.01993 | 0.02168 | 0.01463 | 0.01634 | 0.02019 | 0.01935 |
| FEQG Lead Guideline (Chronic) | | | | | 0.0122 | 0.0143 | 0.0109 | 0.0120 | 0.0123 | 0.0123 | 0.0110 | 0.0122 | 0.0106 | 0.0109 | 0.0117 | 0.0110 |
| Lithium | mg/L | n/v | n/v | n/v | <0.0010 | 0.0013 | <0.0010 | <0.0010 | 0.0018 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0016 | <0.0010 |
| Magnesium | mg/L | n/v | n/v | n/v | 2.14 | 2.94 | 1.53 | 1.66 | 2.19 | 2.28 | 1.95 | 2.17 | 1.55 | 1.63 | 2.10 | 2.00 |
| Manganese | mg/L | n/v | Equation*$_{EQ3,EQ4}^{DE}$ | n/v | 0.0313 | 0.0139 | 0.00064 | 0.00034 | 0.00024 | 0.00043 | **0.664**$^{E}$ | **0.436**$^{E}$ | 0.00471 | 0.00042 | 0.00048 | 0.00479 |
| CCME Manganese Guideline (Chronic) | | | | | 0.380 | 0.380 | 0.350 | 0.270 | 0.320 | 0.270 | 0.320 | 0.350 | 0.350 | 0.320 | 0.350 | 0.350 |
| CCME Manganese Guideline (Acute) | | | | | 2.635 | 3.257 | 2.012 | 2.272 | 2.780 | 2.912 | 2.615 | 2.794 | 2.054 | 2.238 | 2.641 | 2.555 |
| Mercury | mg/L | n/v | n/v | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | n/v | n/v | <0.000020 | 0.000032 | 0.000027 | - | - | - | 0.000032 | 0.000025 | 0.000045 | - | - | - |
| Molybdenum | mg/L | n/v | n/v | n/v | 0.000067 | 0.000074 | <0.000050 | 0.000062 | 0.000059 | 0.000058 | 0.000071 | 0.000065 | <0.000050 | 0.000065 | 0.000065 | 0.000062 |
| Nickel | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00102 RRV | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00068 |
| MSOG Nickel Guideline (Chronic) | | | | | 0.021 | 0.026 | 0.016 | 0.018 | 0.022 | 0.023 | 0.021 | 0.023 | 0.017 | 0.018 | 0.021 | 0.021 |
| MSOG Nickel Guideline (Acute) | | | | | 0.192 | 0.235 | 0.148 | 0.166 | 0.202 | 0.211 | 0.190 | 0.203 | 0.151 | 0.164 | 0.192 | 0.186 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 0.794 | 1.02 | 0.563 | 0.646 | 0.804 | 2.18 RRV | 0.741 | 0.807 | 0.559 | 0.671 | 0.759 | 0.813 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00119 | 0.00148 | 0.00086 | 0.00096 | 0.00128 | 0.00140 | 0.00120 | 0.00124 | 0.00086 | 0.00102 | 0.00115 | 0.00126 |
| Selenium | mg/L | n/v | n/v | n/v | 0.000079 | 0.000063 | <0.000050 | <0.000050 | 0.000060 | <0.000050 | <0.000050 | 0.000133 DTSE | <0.000050 | <0.000050 | 0.000093 | 0.000052 |
| Silicon | mg/L | n/v | n/v | n/v | 0.319 | 0.369 | 0.269 | 0.214 | 0.258 | 0.309 | 0.492 | 0.451 | 0.288 | 0.272 | 0.242 | 0.340 |
| Silver | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 1.42 | 1.79 | 1.12 | 1.19 | 1.74 | 1.58 | 1.26 | 1.36 | 1.10 | 1.20 | 1.40 | 1.35 |
| Strontium | mg/L | n/v | n/v | 2.5$^{F}$ | 0.0192 | 0.0254 | 0.0123 | 0.0153 | 0.0179 | 0.0195 | 0.0192 | 0.0201 | 0.0126 | 0.0157 | 0.0169 | 0.0168 |
| Sulfur | mg/L | n/v | n/v | n/v | <0.50 | <0.50 | <0.50 | <0.50 | 0.55 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.60 | <0.50 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00018 | 0.00020 | 0.00023 | 0.00017 | 0.00023 | 0.00019 |
| Titanium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Vanadium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | Equation*$_{s5}^{BC}$ | Equation*$_{EQ1,EQ2}^{DE}$ | n/v | <0.0010 | <0.0010 | <0.0010 | 0.0013 | <0.0010 | 0.0014 | 0.0028 | <0.0010 | <0.0010 | 0.0011 | <0.0010 | <0.0010 |
| MSOG Zinc Guideline (Chronic) | | | | | 0.048 | 0.059 | 0.037 | 0.042 | 0.051 | 0.053 | 0.048 | 0.051 | 0.038 | 0.041 | 0.048 | 0.047 |
| MSOG Zinc Guideline (Acute) | | | | | 0.048 | 0.059 | 0.037 | 0.042 | 0.050 | 0.053 | 0.048 | 0.051 | 0.038 | 0.041 | 0.048 | 0.047 |
| CCME Zinc Guideline (Chronic) | | | | | 0.015 | 0.024 | 0.011 | 0.014 | 0.017 | 0.020 | 0.014 | 0.023 | 0.011 | 0.013 | 0.016 | 0.021 |
| CCME Zinc Guideline (Acute) | | | | | 0.060 | 0.077 | 0.045 | 0.052 | 0.063 | 0.065 | 0.057 | 0.063 | 0.045 | 0.050 | 0.059 | 0.056 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| **Area** | | | | | **Gordon Site** | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Location** | | | | | **AQF13 - Surface** | | | | | | **AQF13 - Deep** | | | | | |
| **Sample Date** | | | | | **20-Mar-25** | **24-Apr-25** | **26-May-25** | **23-Oct-25** | **23-Nov-25** | **13-Dec-25** | **20-Mar-25** | **24-Apr-25** | **26-May-25** | **23-Oct-25** | **23-Nov-25** | **13-Dec-25** |
| **Sample ID** | | | | | **AQF13 - Surface** | **AQF13 - surface** | **AQF13-Surface** | **AQF13-surface** | **AQF13- Surface** | **AQF13-Surface** | **AQF13 - Deep** | **AQF13 - deep** | **AQF13-Deep** | **AQF13-deep** | **AQF13-Deep** | **AQF13-Deep** |
| **Sampling Company** | | | | | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** |
| **Laboratory** | | | | | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** |
| **Laboratory Work Order** | | | | | **WP2503851** | **WP2505523** | **WP2507527** | **WP2518837** | **WP2520511** | **WP2521492** | **WP2503851** | **WP2505523** | **WP2507527** | **WP2518837** | **WP2520511** | **WP2521492** |
| **Laboratory Sample ID** | | | | | **WP2503851-019** | **WP2505523-017** | **WP2507527-005** | **WP2518837-018** | **WP2520511-012** | **WP2521492-001** | **WP2503851-020** | **WP2505523-018** | **WP2507527-006** | **WP2518837-019** | **WP2520511-013** | **WP2521492-002** |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** | | | | | | | | | | | | |
| **Metals, Total** | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | $0.005/0.1_{VAR}^{C}$ | $0.005/0.1_{VAR1}^{E}$ | Equation*$_{s1}^{F}$ | 0.0084 | 0.0088 | 0.0188 | 0.0124 | 0.0084 | 0.0095 | 0.0135 | 0.0060 | 0.0206 | 0.0135 | 0.0102 | 0.0088 |
| **FEQG Aluminum Guideline (Chronic)** | | | | | 0.75 | 0.76 | 1.6 | 1.4 | 1.7 | 1.4 | 0.51 | 0.56 | 1.4 | 0.95 | 0.98 | 0.52 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | n/v | $0.005^{E}$ | n/v | 0.00029 | 0.00044 | 0.00022 | 0.00027 | 0.00028 | 0.00034 | 0.00025 | 0.00032 | 0.00024 | 0.00026 | 0.00030 | 0.00030 |
| Barium | mg/L | n/v | n/v | n/v | 0.0114 | 0.0148 | 0.00728 | 0.00864 | 0.00952 | 0.0106 | 0.0184 | 0.0211 | 0.00729 | 0.00878 | 0.00887 | 0.00994 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | $29/1.5_{s3}^{C}$ | $29^{D}$ $1.5^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | n/v | $0.001_{STB}^{D}$ $0.00009_{LTG}^{E}$ | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| **CCME Cadmium Guideline (Chronic)** | | | | | 0.00007 | 0.00008 | 0.00005 | 0.00006 | 0.00007 | 0.00007 | 0.00007 | 0.00007 | 0.00005 | 0.00006 | 0.00007 | 0.00006 |
| **CCME Cadmium Guideline (Acute)** | | | | | 0.00072 | 0.00092 | 0.00053 | 0.00061 | 0.00076 | 0.00081 | 0.00071 | 0.00077 | 0.00054 | 0.00059 | 0.00072 | 0.00069 |
| Calcium | mg/L | n/v | n/v | n/v | 11.1 | 13.6 | 7.68 | 8.82 | 9.29 | 11.6 | 11.1 | 11.7 | 7.91 | 8.58 | 9.03 | 9.94 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Chromium (Hexavalent) | mg/L | n/v | $0.001^{E}$ | $0.005^{F}$ | 0.00069 | <0.00050 | 0.00052 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00081 | <0.00050 | <0.00050 | <0.00050 |
| Cobalt | mg/L | n/v | n/v | Equation*$_{s4}^{F}$ | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| **FEQG Cobalt Guideline (Chronic)** | | | | | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 |
| Copper | mg/L | n/v | Equation*$_{EQ6}^{E}$ | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| **CWQG Copper Guideline (Chronic)** | | | | | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| Iron | mg/L | $0.3^{C}$ | $0.3^{E}$ | Equation*$_{s5}^{F}$ | 0.017 | 0.028 | 0.068 | 0.035 | 0.022 | 0.021 | 0.142 | 0.224 | 0.075 | 0.037 | 0.026 | 0.029 |
| **FEQG Iron Guideline (Chronic)** | | | | | 0.80 | 0.80 | 0.78 | 0.79 | 0.78 | 0.79 | 0.75 | 0.79 | 0.76 | 0.80 | 0.80 | 0.78 |
| Lead | mg/L | n/v | Equation*$_{EQ5}^{E}$ | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| **CWQG Lead Guideline (Chronic)** | | | | | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Lithium | mg/L | n/v | n/v | n/v | <0.0010 | 0.0012 | <0.0010 | 0.0013 | <0.0010 | 0.0017 | <0.0010 | <0.0010 | 0.0012 | 0.0013 | <0.0010 | 0.0014 |
| Magnesium | mg/L | n/v | n/v | n/v | 2.11 | 2.87 | 1.56 | 1.79 | 2.08 | 2.44 | 2.06 | 2.27 | 1.57 | 1.81 | 1.96 | 2.13 |
| Manganese | mg/L | n/v | n/v | n/v | 0.0312 | 0.0378 | 0.0327 | 0.0413 | 0.0267 | 0.0254 | 0.790 | 0.652 | 0.0364 | 0.0429 | 0.0289 | 0.0485 |
| Mercury | mg/L | $0.000026^{C}$ | $0.000026^{E}$ | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | $0.004^{E}$ | n/v | 0.000020 | 0.000029 | 0.000028 | - | - | - | 0.000035 | 0.000028 | 0.000045 | - | - | - |
| Molybdenum | mg/L | $0.073^{C}$ | $0.073^{E}$ | n/v | 0.000067 | 0.000098 | <0.000050 | 0.000072 | 0.000064 | 0.000086 | 0.000064 | 0.000082 | <0.000050 | 0.000074 | 0.000063 | 0.000057 |
| Nickel | mg/L | n/v | Equation*$_{EQ7}^{E}$ | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| **CWQG Nickel Guideline (Chronic)** | | | | | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 0.786 | 0.986 | 0.604 | 0.687 | 0.795 | 0.924 | 0.744 | 0.819 | 0.613 | 0.677 | 0.754 | 0.818 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00129 | 0.00163 | 0.00090 | 0.00105 | 0.00126 | 0.00146 | 0.00132 | 0.00123 | 0.00092 | 0.00111 | 0.00121 | 0.00134 |
| Selenium | mg/L | $0.001^{C}$ | $0.001^{E}$ | n/v | 0.000068 | <0.000050 | <0.000050 | <0.000050 | 0.000054 | 0.000057 | <0.000050 | <0.000050 | 0.000091 | <0.000050 | 0.000060 | 0.000054 |
| Silicon | mg/L | n/v | n/v | n/v | 0.33 | 0.42 | 0.30 | 0.27 | 0.28 | 0.32 | 0.55 | 0.56 | 0.30 | 0.28 | 0.25 | 0.30 |
| Silver | mg/L | $0.0001^{C}$ | $0.00025^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | 0.000014 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 1.41 | 1.85 | 1.06 | 1.20 | 1.39 | 1.65 | 1.28 | 1.44 | 1.12 | 2.56 | 1.30 | 1.39 |
| Strontium | mg/L | n/v | n/v | n/v | 0.0223 | 0.0247 | 0.0129 | 0.0158 | 0.0173 | 0.0225 | 0.0202 | 0.0207 | 0.0128 | 0.0163 | 0.0161 | 0.0200 |
| Sulfur | mg/L | n/v | n/v | n/v | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | $0.0008^{C}$ | $0.0008^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00033 | 0.00015 | 0.00041 | <0.00010 | 0.00010 | 0.00018 |
| Titanium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | 0.00031 | <0.00030 | <0.00030 | <0.00030 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | $0.033/0.015_{s4}^{C}$ | $0.033^{D}$ $0.015^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Vanadium | mg/L | n/v | n/v | $0.12^{F}$ | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | n/v | n/v | n/v | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQF15 - Surface | | | | | | | AQF16 - Surface | | | | | | |
| Sample Date | | | | | 27-Feb-25 | 20-Mar-25 | 24-Apr-25 | 23-May-25 | 22-Oct-25 | 23-Nov-25 | 15-Dec-25 | 27-Feb-25 | 20-Mar-25 | 24-Apr-25 | 23-May-25 | 22-Oct-25 | 23-Nov-25 | 15-Dec-25 |
| Sample ID | | | | | AQF15 | AQF15 | AQF15 | AQF15 | AQF15 | AQF15 | AQF15 | AQF16 | AQF16 - Surface | AQF16 - surface | AQF16-surface | AQF16-surface | AQF16-Surface | AQF16-Surface |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2502751 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521492 | WP2502751 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521492 |
| Laboratory Sample ID | | | | | WP2502751-020 | WP2503851-022 | WP2505523-019 | WP2507298-017 | WP2518837-012 | WP2520511-020 | WP2521492-027 | WP2502751-019 | WP2503851-023 | WP2505523-020 | WP2507298-018 | WP2518837-010 | WP2520511-018 | WP2521492-017 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | |
| **Field Parameters** | | | | | | | | | | | | | | | | | | |
| Dissolved Oxygen, Field | mg/L | >6.0$^{BC}$ | >6.5$_{VAR}^{E}$ | n/v | 9.96 | 6.96 | 7.25 | 11.95 | 11.7 | 14.02 | 12.88 | 7.62 | **4.93$^{BCE}$** | 7.48 | 11.44 | 11.61 | 14.5 | 14.29 |
| Electrical Conductivity, Field | mS/cm | n/v | n/v | n/v | 82.6 | 99.2 | 87 | 84.8 | 79.1 | 76.2 | 84.1 | 76.9 | 87.7 | 83.8 | 83.9 | 78 | 77 | 65.5 |
| Oxidation Reduction Potential, field | mV | n/v | n/v | n/v | 145.6 | 77.5 | 43.7 | 70.8 | 104.1 | 147.2 | 158.9 | 152 | 88.9 | 70.4 | 106.9 | 84.3 | 90.7 | 150.3 |
| pH, Field | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v | 7.23 | 7.03 | 7.09 | 7.88 | 7.85 | 7.66 | 7.31 | 6.94 | 6.97 | 7.01 | 7.91 | 7.93 | 7.59 | 7.55 |
| Specific Conductance, Field | µS/cm | n/v | n/v | n/v | 157.4 | 187.1 | 160.8 | 111.7 | 126.9 | 140.7 | 159.7 | 145 | 166.4 | 155.3 | 109.2 | 126.2 | 142.4 | 125 |
| Temperature, Field | deg C | n/v | n/v | n/v | 0 | 0.4 | 1 | 12.4 | 5.274 | 1.016 | 0.215 | 0.4 | 0.3 | 1.2 | 12.8 | 5.019 | 0.974 | 0.079 |
| Total Dissolved Solids, Field | mg/L | n/v | n/v | n/v | 103.00 | 121.56 | 101.4 | 72.80 | 82 | 91 | 104 | 94.00 | 108.56 | 101.4 | 70.85 | 82 | 93 | 81 |
| Turbidity, Field | NTU | n/v | n/v | n/v | 0.89 | 0.71 | 0.64 | - | - | 0.14 | 0 | 2.77 | 1.85 | 0.64 | - | - | 1.36 | 0.26 |
| **General Chemistry** | | | | | | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | n/v | n/v | n/v | 3.5 | 5.5 | <2.0 | 2.6 | 2.3 | <2.0 | 2.3 | 3.8 | 6.3 | 3.4 | <2.0 | 2.6 | <2.0 | 2.5 |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | n/v | n/v | n/v | 64.4 | 67.1 | 66.0 | 57.7 | 57.0 | 60.1 | 73.3 | 63.1 | 59.9 | 65.0 | 56.5 | 56.4 | 63.8 | 68.9 |
| Alkalinity, Carbonate (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Phenolphthalein | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Total (as CaCO3) | mg/L | n/v | n/v | n/v | 64.4 | 67.1 | 66.0 | 57.7 | 57.0 | 60.1 | 73.3 | 63.1 | 59.9 | 65.0 | 56.5 | 56.4 | 63.8 | 68.9 |
| Ammonia (as N) | mg/L | Equation*$_{TBC}^{BC}$ | 0.0173/190$_{TBC2}^{E}$ | n/v | 0.0106 | 0.0116 | 0.0115 | 0.0074 | 0.0135 | 0.0278 | 0.0562 | 0.0624 | 0.0333 | 0.0247 | 0.0057 | 0.0090 | 0.0294 | 0.0523 |
| MSOG Ammonia Guideline (Chronic) | | | | | 5.30 | 5.84 | 5.69 | 2.87 | 2.99 | 3.74 | 5.04 | 6.04 | 5.98 | 5.89 | 2.76 | 2.69 | 4.02 | 4.17 |
| CCME Ammonia Guideline (Chronic) | | | | | 6.02 | 19.00 | 12.58 | 0.59 | 1.27 | 1.27 | 6.02 | 19.00 | 19.00 | 12.58 | 0.59 | 1.27 | 6.02 | 6.02 |
| Bromide | mg/L | n/v | n/v | n/v | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| Chloride | mg/L | n/v | 640$^{D}$ 120$^{E}$ | n/v | 1.25 | 1.09 | 0.68 | 0.63 | 0.64 | 0.60 | 0.88 | 1.02 | 1.92 | 0.72 | 0.65 | 0.98 | 0.64 | 0.91 |
| Cyanate | mg/L | n/v | n/v | n/v | <0.40 DLIS | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| Cyanide | mg/L | 0.022/0.0052$_{s1}^{C}$ | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0042 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Free) | mg/L | 0.022/0.0052$_{s1}^{B}$ | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Weak Acid Dissociable) | mg/L | n/v | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Dissolved Organic Carbon (DOC) | mg/L | n/v | n/v | n/v | 12.7 | 13.9 | 13.3 | 12.2 | 13.2 | 12.8 | 14.1 | 13.2 | 13.7 | 14.2 | 12.8 | 13.3 | 14.6 | 14.7 |
| Electrical Conductivity, Lab | µS/cm | n/v | n/v | n/v | 156 | 154 | 148 | 133 | 130 | 137 | 169 | 142 | 137 | 142 | 130 | 131 | 143 | 156 |
| Fluoride | mg/L | n/v | 0.12$^{E}$ | n/v | 0.095 | 0.100 | 0.097 | 0.083 | 0.084 | 0.087 | 0.106 | 0.109 | 0.106 | 0.099 | 0.085 | 0.072 | 0.091 | 0.101 |
| Hardness (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | - | 61.1 | 61.6 | 81.8 | - | - | - | - | 61.3 | 63.2 | 72.6 |
| Hardness (as CaCO3), dissolved | mg/L | n/v | n/v | n/v | 73.3 | 70.8 | 67.0 | 63.8 | 61.1 | 69.5 | 75.4 | 62.4 | 59.3 | 64.2 | 62.1 | 60.5 | 72.7 | 70.4 |
| Nitrate (as N) | mg/L | 13$^{C}$ | 124$^{D}$ 3.0$^{E}$ | n/v | 0.112 | 0.183 | 0.182 | <0.020 | <0.020 | <0.020 | 0.033 | 0.110 | 0.182 | 0.157 | <0.020 | <0.020 | <0.020 | 0.036 |
| Nitrate + Nitrite (as N) | mg/L | 10$^{B}$ 10$^{C}$ | n/v | n/v | 0.112 | 0.183 | 0.182 | <0.0224 | <0.022 | <0.022 | 0.0330 | 0.110 | 0.182 | 0.157 | <0.0224 | <0.022 | <0.022 | 0.0360 |
| Nitrite (as N) | mg/L | 0.06$^{C}$ | 0.06$^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| pH, lab | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v | 7.49 | 7.60 | 7.57 | 8.01 | 7.85 | 7.84 | 7.65 | 7.41 | 7.85 | 7.59 | 8.00 | 7.87 | 7.87 | 7.74 |
| Phosphorus, Total | mg/L | 0.025$^{A}$ | n/v | n/v | 0.0148 | 0.0189 | 0.0174 | 0.0147 | 0.0202 | 0.0178 | 0.0165 | 0.0189 | 0.0173 | 0.0183 | 0.0170 | 0.0174 | 0.0190 | 0.0153 |
| Phosphorus, Total (Dissolved) | mg/L | n/v | n/v | n/v | - | 0.0138 | 0.0085 | 0.0063 | 0.0082 | 0.0081 | 0.0128 | - | 0.0127 | 0.0084 | 0.0068 | 0.0084 | 0.0088 | 0.0113 |
| Sulfate | mg/L | n/v | n/v | n/v | 9.11 | 7.95 | 7.58 | 7.28 | 6.49 | 8.03 | 9.63 | 4.00 | 4.82 | 6.16 | 6.98 | 6.22 | 8.39 | 8.82 |
| Thiocyanate | mg/L | n/v | n/v | n/v | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.00 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 PHA |
| Total Dissolved Solids | mg/L | n/v | n/v | n/v | 97.2 | 102 | 102 | 81.9 | - | 90.7 | 92.8 | 100 | 82.9 | 100 | 80.9 | 84.5 | 91.3 | 82.8 |
| Total Kjeldahl Nitrogen | mg/L | n/v | n/v | n/v | 0.492 | 0.507 | 0.515 | 0.421 | 0.530 | 0.542 | 0.627 | 0.601 | 0.509 | 0.554 | 0.452 | 0.526 | 0.581 | 0.574 |
| Total Organic Carbon | mg/L | n/v | n/v | n/v | 12.8 | 13.0 | 12.6 | 11.5 | 12.4 | 13.7 | 14.7 | 14.4 | 13.2 | 13.5 | 12.4 | 13.0 | 14.3 | 14.9 |
| Total Suspended Solids | mg/L | $_{SN}^{BC}$ | $_{SN}^{E}$ | n/v | <1.0 | <1.0 | 1.1 | 1.5 | - | <1.0 | <1.0 | <1.0 | <1.0 | 2.1 | 1.4 | <1.0 | <1.0 | <1.0 |
| Turbidity, Lab | NTU | n/v | n/v | n/v | 0.19 | 0.86 | 0.97 | 1.41 | 2.46 | 0.67 | 0.59 | 0.82 | 0.32 | 0.70 | 1.34 | 1.48 | 0.72 | 0.46 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| **Area** | | | | | **Gordon Site** | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Location** | | | | | **AQF15 - Surface** | | | | | | | **AQF16 - Surface** | | | | | | |
| **Sample Date** | | | | | **27-Feb-25** | **20-Mar-25** | **24-Apr-25** | **23-May-25** | **22-Oct-25** | **23-Nov-25** | **15-Dec-25** | **27-Feb-25** | **20-Mar-25** | **24-Apr-25** | **23-May-25** | **22-Oct-25** | **23-Nov-25** | **15-Dec-25** |
| **Sample ID** | | | | | **AQF15** | **AQF15** | **AQF15** | **AQF15** | **AQF15** | **AQF15** | **AQF15** | **AQF16** | **AQF16 - Surface** | **AQF16 - surface** | **AQF16-surface** | **AQF16-surface** | **AQF16-Surface** | **AQF16-Surface** |
| **Sampling Company** | | | | | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** |
| **Laboratory** | | | | | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** |
| **Laboratory Work Order** | | | | | **WP2502751** | **WP2503851** | **WP2505523** | **WP2507298** | **WP2518837** | **WP2520511** | **WP2521492** | **WP2502751** | **WP2503851** | **WP2505523** | **WP2507298** | **WP2518837** | **WP2520511** | **WP2521492** |
| **Laboratory Sample ID** | | | | | **WP2502751-020** | **WP2503851-022** | **WP2505523-019** | **WP2507298-017** | **WP2518837-012** | **WP2520511-020** | **WP2521492-027** | **WP2502751-019** | **WP2503851-023** | **WP2505523-020** | **WP2507298-018** | **WP2518837-010** | **WP2520511-018** | **WP2521492-017** |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** | | | | | | | | | | | | | | |
| **Metals, Dissolved** | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | n/v | n/v | n/v | 0.0030 | 0.0027 | 0.0030 | 0.0049 | 0.0028 | 0.0044 | 0.0037 | 0.0031 | 0.0026 | 0.0029 | 0.0060 | 0.0047 | 0.0058 | 0.0034 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | 0.34/0.15$_{s2}^{BC}$ | n/v | n/v | 0.00036 | 0.00038 | 0.00040 | 0.00032 | 0.00037 | 0.00035 | 0.00039 | 0.00044 | 0.00039 | 0.00044 | 0.00031 | 0.00037 | 0.00037 | 0.00039 |
| Barium | mg/L | n/v | n/v | n/v | 0.0105 | 0.0106 | 0.00986 | 0.00737 | 0.00967 | 0.00995 | 0.0118 | 0.0125 | 0.0116 | 0.0128 | 0.00714 | 0.00980 | 0.0103 | 0.0109 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | n/v | n/v | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | 0.0000053 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| **MSOG Cadmium Guideline (Chronic)** | | | | | 0.00020 | 0.00019 | 0.00019 | 0.00018 | 0.00017 | 0.00019 | 0.00021 | 0.00018 | 0.00017 | 0.00018 | 0.00018 | 0.00018 | 0.00020 | 0.00020 |
| **MSOG Cadmium Guideline (Acute)** | | | | | 0.00149 | 0.00144 | 0.00136 | 0.00130 | 0.00125 | 0.00141 | 0.00166 | 0.00127 | 0.00121 | 0.00131 | 0.00127 | 0.00125 | 0.00148 | 0.00147 |
| Calcium | mg/L | n/v | n/v | n/v | 19.2 | 18.7 | 17.6 | 16.3 | 16.1 | 18.1 | 19.9 | 16.3 | 15.3 | 16.4 | 16.0 | 16.1 | 19.1 | 18.5 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | 0.00099 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00051 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| **MSOG Chromium Guideline (Chronic)** | | | | | 0.00756 | 0.00743 | 0.00723 | 0.00706 | 0.00691 | 0.00737 | 0.00799 | 0.00698 | 0.00680 | 0.00708 | 0.00696 | 0.00692 | 0.00753 | 0.00753 |
| Cobalt | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Copper | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s2}^{F}$ | 0.00176 | 0.00042 | 0.00048 | 0.00031 | 0.00051 | 0.00029 | 0.00058 | 0.00166 RRV | 0.00062 | 0.00058 | 0.00030 | 0.00065 | 0.00049 | 0.00030 |
| **MSOG Copper Guideline (Chronic)** | | | | | 0.00687 | 0.00667 | 0.00636 | 0.00610 | 0.00588 | 0.00656 | 0.00754 | 0.00599 | 0.00573 | 0.00613 | 0.00596 | 0.00590 | 0.00682 | 0.00681 |
| **MSOG Copper Guideline (Acute)** | | | | | 0.0100 | 0.0097 | 0.0092 | 0.0088 | 0.0084 | 0.0095 | 0.0111 | 0.0086 | 0.0082 | 0.0089 | 0.0086 | 0.0085 | 0.0100 | 0.0099 |
| **FEQG Copper Guideline (Chronic)** | | | | | 0.0081 | 0.0063 | 0.0065 | 0.0154 | 0.0157 | 0.0135 | 0.0102 | 0.0048 | 0.0052 | 0.0060 | 0.0165 | 0.0166 | 0.0146 | 0.0140 |
| Iron | mg/L | n/v | n/v | n/v | 0.018 | 0.041 | 0.050 | 0.048 | 0.017 | 0.019 | 0.033 | 0.111 | 0.100 | 0.071 | 0.052 | 0.020 | 0.025 | 0.020 |
| Lead | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s3}^{F}$ | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| **MSOG Lead Guideline (Chronic)** | | | | | 0.00179 | 0.00172 | 0.00162 | 0.00154 | 0.00147 | 0.00169 | 0.00202 | 0.00150 | 0.00142 | 0.00155 | 0.00149 | 0.00147 | 0.00178 | 0.00177 |
| **MSOG Lead Guideline (Acute)** | | | | | 0.04598 | 0.04426 | 0.04165 | 0.03946 | 0.03762 | 0.04336 | 0.05186 | 0.03851 | 0.03640 | 0.03974 | 0.03830 | 0.03776 | 0.04556 | 0.04550 |
| **FEQG Lead Guideline (Chronic)** | | | | | 0.0143 | 0.0149 | 0.0144 | 0.0136 | 0.0140 | 0.0142 | 0.0155 | 0.0141 | 0.0142 | 0.0147 | 0.0139 | 0.0141 | 0.0153 | 0.0154 |
| Lithium | mg/L | n/v | n/v | n/v | 0.0013 | 0.0012 | 0.0015 | 0.0010 | 0.0017 | 0.0024 | 0.0020 | 0.0012 | <0.0010 | 0.0014 | 0.0011 | 0.0016 | 0.0023 | 0.0017 |
| Magnesium | mg/L | n/v | n/v | n/v | 6.16 | 5.85 | 5.59 | 5.62 | 5.07 | 5.90 | 6.24 | 5.28 | 5.13 | 5.64 | 5.39 | 4.94 | 6.08 | 5.88 |
| Manganese | mg/L | n/v | Equation*$_{EQ3,EQ4}^{DE}$ | n/v | 0.00265 | 0.0872 | 0.0377 | 0.0322 | 0.00518 | 0.00632 | 0.0284 | 0.129 | 0.106 | 0.0938 | 0.0221 | 0.00511 | 0.00690 | 0.00766 |
| **CCME Manganese Guideline (Chronic)** | | | | | 0.490 | 0.490 | 0.500 | 0.490 | 0.320 | 0.320 | 0.440 | 0.430 | 0.490 | 0.500 | 0.500 | 0.320 | 0.320 | 0.390 |
| **CCME Manganese Guideline (Acute)** | | | | | 5.068 | 4.916 | 4.683 | 4.486 | 4.319 | 4.836 | 5.580 | 4.400 | 4.207 | 4.511 | 4.381 | 4.331 | 5.031 | 5.025 |
| Mercury | mg/L | n/v | n/v | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | n/v | n/v | 0.000047 | 0.000095 | 0.000073 | 0.000086 | 0.000047 | 0.000073 | 0.000091 | 0.000152 | 0.000198 | 0.000129 | 0.000108 | 0.000041 | 0.000039 | 0.000041 |
| Molybdenum | mg/L | n/v | n/v | n/v | 0.000843 | 0.000871 | 0.000839 | 0.000606 | 0.000751 | 0.000694 | 0.000720 | 0.00112 | 0.000984 | 0.000932 | 0.000593 | 0.000759 | 0.000725 | 0.000774 |
| Nickel | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| **MSOG Nickel Guideline (Chronic)** | | | | | 0.040 | 0.039 | 0.037 | 0.036 | 0.034 | 0.038 | 0.044 | 0.035 | 0.033 | 0.036 | 0.035 | 0.034 | 0.040 | 0.040 |
| **MSOG Nickel Guideline (Acute)** | | | | | 0.360 | 0.350 | 0.334 | 0.320 | 0.309 | 0.344 | 0.395 | 0.314 | 0.301 | 0.322 | 0.313 | 0.309 | 0.358 | 0.357 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 1.43 | 1.38 | 1.38 | 1.33 | 1.22 | 1.39 | 1.70 | 1.31 | 1.22 | 1.36 | 1.30 | 1.25 | 1.43 | 1.53 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00151 | 0.00134 | 0.00147 | 0.00122 | 0.00129 | 0.00136 | 0.00151 | 0.00145 | 0.00142 | 0.00142 | 0.00118 | 0.00136 | 0.00145 | 0.00157 |
| Selenium | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | 0.000135 DTSE | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000057 | 0.000206 | 0.000100 | <0.000050 | 0.000077 | 0.000051 | 0.000110 |
| Silicon | mg/L | n/v | n/v | n/v | 1.70 | 2.06 | 2.12 | 1.80 | 0.407 | 0.444 | 0.753 | 2.24 | 2.21 | 1.90 | 1.68 | 0.408 | 0.461 | 0.503 |
| Silver | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 3.44 | 3.17 | 3.10 | 3.06 | 2.82 | 3.39 | 3.66 | 2.92 | 2.80 | 3.28 | 2.90 | 2.90 | 3.49 | 3.42 |
| Strontium | mg/L | n/v | n/v | 2.5$^{F}$ | 0.0482 | 0.0428 | 0.0448 | 0.0380 | 0.0383 | 0.0407 | 0.0447 | 0.0436 | 0.0398 | 0.0424 | 0.0377 | 0.0392 | 0.0424 | 0.0436 |
| Sulfur | mg/L | n/v | n/v | n/v | 3.23 | 2.31 | 2.70 | 2.81 | 2.62 | 3.18 | 3.72 | 1.70 | 1.69 | 2.29 | 2.84 | 2.62 | 3.46 | 3.16 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00015 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | n/v | n/v | n/v | 0.000058 | 0.000055 | 0.000062 | 0.000060 | 0.000050 | 0.000054 | 0.000071 | 0.000037 | 0.000037 | 0.000052 | 0.000068 | 0.000050 | 0.000058 | 0.000063 |
| Vanadium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | Equation*$_{s5}^{BC}$ | Equation*$_{EQ1,EQ2}^{DE}$ | n/v | 0.0029 | <0.0010 | 0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0011 | 0.0058 RRV | <0.0010 | 0.0012 | <0.0010 | 0.0078 RRV | 0.0015 | 0.0018 |
| **MSOG Zinc Guideline (Chronic)** | | | | | 0.091 | 0.088 | 0.084 | 0.081 | 0.078 | 0.087 | 0.100 | 0.079 | 0.076 | 0.081 | 0.079 | 0.078 | 0.090 | 0.090 |
| **MSOG Zinc Guideline (Acute)** | | | | | 0.090 | 0.087 | 0.083 | 0.080 | 0.077 | 0.086 | 0.099 | 0.079 | 0.075 | 0.080 | 0.078 | 0.077 | 0.089 | 0.089 |
| **CCME Zinc Guideline (Chronic)** | | | | | 0.037 | 0.034 | 0.032 | 0.021 | 0.023 | 0.026 | 0.037 | 0.034 | 0.023 | 0.031 | 0.021 | 0.023 | 0.028 | 0.031 |
| **CCME Zinc Guideline (Acute)** | | | | | 0.111 | 0.111 | 0.105 | 0.098 | 0.097 | 0.107 | 0.125 | 0.098 | 0.095 | 0.102 | 0.097 | 0.097 | 0.114 | 0.114 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQF15 - Surface | | | | | | | AQF16 - Surface | | | | | | |
| Sample Date | | | | | 27-Feb-25 | 20-Mar-25 | 24-Apr-25 | 23-May-25 | 22-Oct-25 | 23-Nov-25 | 15-Dec-25 | 27-Feb-25 | 20-Mar-25 | 24-Apr-25 | 23-May-25 | 22-Oct-25 | 23-Nov-25 | 15-Dec-25 |
| Sample ID | | | | | AQF15 | AQF15 | AQF15 | AQF15 | AQF15 | AQF15 | AQF15 | AQF16 | AQF16 - Surface | AQF16 - surface | AQF16-surface | AQF16-surface | AQF16-Surface | AQF16-Surface |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2502751 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521492 | WP2502751 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521492 |
| Laboratory Sample ID | | | | | WP2502751-020 | WP2503851-022 | WP2505523-019 | WP2507298-017 | WP2518837-012 | WP2520511-020 | WP2521492-027 | WP2502751-019 | WP2503851-023 | WP2505523-020 | WP2507298-018 | WP2518837-010 | WP2520511-018 | WP2521492-017 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | |
| **Metals, Total** | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | $0.005/0.1_{VAR}^{C}$ | $0.005/0.1_{VAR1}^{E}$ | $Equation*_{s1}^{F}$ | 0.0051 | 0.0061 | 0.0215 | 0.0166 | 0.0468 | 0.0224 | 0.0202 | 0.0086 | 0.0046 | 0.0253 | 0.0216 | 0.0346 | 0.0204 | 0.0158 |
| FEQG Aluminum Guideline (Chronic) | | | | | 1.1 | 0.94 | 0.97 | 1.8 | 1.8 | 1.5 | 1.2 | 0.85 | 0.85 | 0.90 | 1.9 | 1.9 | 1.5 | 1.4 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00022 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | n/v | $0.005^{E}$ | n/v | 0.00041 | 0.00040 | 0.00042 | 0.00036 | 0.00036 | 0.00034 | 0.00047 | 0.00045 | 0.00041 | 0.00046 | 0.00032 | 0.00036 | 0.00038 | 0.00044 |
| Barium | mg/L | n/v | n/v | n/v | 0.0107 | 0.0112 | 0.00976 | 0.00832 | 0.00981 | 0.0102 | 0.0123 | 0.0132 | 0.0120 | 0.0132 | 0.00829 | 0.00978 | 0.0106 | 0.0114 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | 0.000054 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | $29/1.5_{s3}^{C}$ | $29^{D}$ $1.5^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | n/v | $0.001_{STB}^{D}$ $0.00009_{LTG}^{E}$ | n/v | <0.0000050 | <0.0000050 | 0.0000061 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000072 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| CCME Cadmium Guideline (Chronic) | | | | | 0.00012 | 0.00012 | 0.00011 | 0.00011 | 0.00011 | 0.00012 | 0.00013 | 0.00011 | 0.00010 | 0.00011 | 0.00011 | 0.00011 | 0.00012 | 0.00012 |
| CCME Cadmium Guideline (Acute) | | | | | 0.00153 | 0.00148 | 0.00140 | 0.00133 | 0.00127 | 0.00145 | 0.00171 | 0.00130 | 0.00123 | 0.00134 | 0.00129 | 0.00128 | 0.00152 | 0.00152 |
| Calcium | mg/L | n/v | n/v | n/v | 19.8 | 18.2 | 18.1 | 16.2 | 15.8 | 15.4 | 21.3 | 17.3 | 16.3 | 17.1 | 15.8 | 16.3 | 15.5 | 19.0 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | 0.000011 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | 0.00066 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Chromium (Hexavalent) | mg/L | n/v | $0.001^{E}$ | $0.005^{F}$ | **$0.00176^{E}$** | <0.00050 | <0.00050 | <0.00050 | 0.00062 | <0.00050 | <0.00050 | 0.00090 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Cobalt | mg/L | n/v | n/v | $Equation*_{s4}^{F}$ | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| FEQG Cobalt Guideline (Chronic) | | | | | 0.0009 | 0.0009 | 0.0009 | 0.0008 | 0.0008 | 0.0009 | 0.0009 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0009 | 0.0009 |
| Copper | mg/L | n/v | $Equation*_{EQ6}^{E}$ | n/v | 0.00123 | <0.00050 | 0.00056 | <0.00050 | <0.00050 | 0.00078 | **$0.00363^{E}$** | 0.00088 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| CWQG Copper Guideline (Chronic) | | | | | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| Iron | mg/L | $0.3^{C}$ | $0.3^{E}$ | $Equation*_{s5}^{F}$ | 0.022 | 0.057 | 0.097 | 0.114 | 0.094 | 0.064 | 0.063 | 0.151 | 0.111 | 0.108 | 0.120 | 0.080 | 0.049 | 0.040 |
| FEQG Iron Guideline (Chronic) | | | | | 0.80 | 0.80 | 0.80 | 0.78 | 0.78 | 0.79 | 0.80 | 0.80 | 0.80 | 0.80 | 0.76 | 0.76 | 0.79 | 0.79 |
| Lead | mg/L | n/v | $Equation*_{EQ5}^{E}$ | n/v | 0.000057 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000131 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| CWQG Lead Guideline (Chronic) | | | | | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| Lithium | mg/L | n/v | n/v | n/v | 0.0019 | 0.0010 | 0.0013 | <0.0010 | 0.0017 | 0.0015 | 0.0024 | 0.0018 | <0.0010 | 0.0014 | <0.0010 | 0.0020 | 0.0014 | 0.0021 |
| Magnesium | mg/L | n/v | n/v | n/v | 5.86 | 5.87 | 5.92 | 5.33 | 5.25 | 5.63 | 6.94 | 5.48 | 5.27 | 5.56 | 5.30 | 5.01 | 5.96 | 6.10 |
| Manganese | mg/L | n/v | n/v | n/v | 0.00399 | 0.123 | 0.0454 | 0.0745 | 0.0121 | 0.00767 | 0.0319 | 0.149 | 0.114 | 0.0960 | 0.0574 | 0.0115 | 0.00741 | 0.00881 |
| Mercury | mg/L | $0.000026^{C}$ | $0.000026^{E}$ | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | $0.004^{E}$ | n/v | 0.000036 | 0.000090 | 0.000068 | 0.000094 | 0.000059 | 0.000116 | 0.000083 | 0.000133 | 0.000177 | 0.000120 | 0.000090 | 0.000043 | 0.000048 | 0.000058 |
| Molybdenum | mg/L | $0.073^{C}$ | $0.073^{E}$ | n/v | 0.000850 | 0.000913 | 0.000842 | 0.000617 | 0.000696 | 0.000704 | 0.000809 | 0.00114 | 0.00103 | 0.000990 | 0.000641 | 0.000718 | 0.000688 | 0.000779 |
| Nickel | mg/L | n/v | $Equation*_{EQ7}^{E}$ | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| CWQG Nickel Guideline (Chronic) | | | | | 0.075 | 0.074 | 0.070 | 0.068 | 0.066 | 0.072 | 0.082 | 0.067 | 0.025 | 0.068 | 0.067 | 0.066 | 0.075 | 0.075 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 1.51 | 1.35 | 1.49 | 1.32 | 1.29 | 1.38 | 1.74 | 1.42 | 1.23 | 1.35 | 1.26 | 1.24 | 1.47 | 1.48 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00156 | 0.00152 | 0.00146 | 0.00133 | 0.00133 | 0.00140 | 0.00172 | 0.00150 | 0.00137 | 0.00146 | 0.00124 | 0.00141 | 0.00149 | 0.00154 |
| Selenium | mg/L | $0.001^{C}$ | $0.001^{E}$ | n/v | 0.000066 | 0.000052 | <0.000050 | 0.000061 | <0.000050 | <0.000050 | <0.000050 | 0.000056 | 0.000088 DTSE | <0.000050 | 0.000068 | <0.000050 | 0.000060 | 0.000109 |
| Silicon | mg/L | n/v | n/v | n/v | 1.66 | 2.07 | 2.27 | 1.77 | 0.52 | 0.51 | 0.84 | 2.31 | 2.15 | 2.18 | 1.67 | 0.52 | 0.54 | 0.56 |
| Silver | mg/L | $0.0001^{C}$ | $0.00025^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 3.25 | 3.19 | 3.34 | 2.95 | 2.98 | 3.28 | 3.94 | 5.70 | 2.80 | 3.09 | 2.90 | 2.73 | 3.36 | 3.39 |
| Strontium | mg/L | n/v | n/v | n/v | 0.0452 | 0.0476 | 0.0415 | 0.0390 | 0.0378 | 0.0390 | 0.0481 | 0.0434 | 0.0421 | 0.0415 | 0.0366 | 0.0376 | 0.0402 | 0.0443 |
| Sulfur | mg/L | n/v | n/v | n/v | 3.32 | 2.83 | 2.71 | 2.62 | 2.43 | 3.09 | 4.03 | 1.63 | 1.54 | 2.59 | 2.61 | 2.62 | 3.61 | 3.08 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | $0.0008^{C}$ | $0.0008^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | 0.00086 | 0.00050 | 0.00186 | 0.00071 | 0.00066 | <0.00030 | <0.00030 | 0.00074 | 0.00084 | 0.00138 | 0.00061 | 0.00032 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | $0.033/0.015_{s4}^{C}$ | $0.033^{D}$ $0.015^{E}$ | n/v | 0.000064 | 0.000060 | 0.000062 | 0.000069 | 0.000054 | 0.000062 | 0.000072 | 0.000039 | 0.000044 | 0.000055 | 0.000064 | 0.000055 | 0.000064 | 0.000069 |
| Vanadium | mg/L | n/v | n/v | $0.12^{F}$ | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | n/v | n/v | n/v | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | 0.0042 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| **Area** | | | | | **Gordon Site** | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Location** | | | | | **AQF16 - Deep** | | | | | | **AQF20 - Surface** | | | | | | |
| **Sample Date** | | | | | **20-Mar-25** | **24-Apr-25** | **23-May-25** | **22-Oct-25** | **23-Nov-25** | **15-Dec-25** | **26-Feb-25** | **20-Mar-25** | **24-Apr-25** | **22-May-25** | **25-Oct-25** | **24-Nov-25** | **13-Dec-25** |
| **Sample ID** | | | | | **AQF16 - Deep** | **AQF16 - deep** | **AQF16-deep** | **AQF16-deep** | **AQF16-Deep** | **AQF16-Deep** | **AQF20** | **AQF20** | **AQF20** | **AQF20** | **AQF20** | **AQF20** | **AQF20** |
| **Sampling Company** | | | | | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** |
| **Laboratory** | | | | | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** |
| **Laboratory Work Order** | | | | | **WP2503851** | **WP2505523** | **WP2507298** | **WP2518837** | **WP2520511** | **WP2521492** | **WP2502751** | **WP2503851** | **WP2505523** | **WP2507298** | **WP2518837** | **WP2520511** | **WP2521492** |
| **Laboratory Sample ID** | | | | | **WP2503851-024** | **WP2505523-021** | **WP2507298-019** | **WP2518837-011** | **WP2520511-019** | **WP2521492-018** | **WP2502751-013** | **WP2503851-027** | **WP2505523-012** | **WP2507298-006** | **WP2518837-032** | **WP2520511-024** | **WP2521492-006** |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** | | | | | | | | | | | | | |
| **Field Parameters** | | | | | | | | | | | | | | | | | |
| Dissolved Oxygen, Field | mg/L | >6.0$^{BC}$ | >6.5$_{VAR}^{E}$ | n/v | **1.58$^{BCE}$** | **2.44$^{BCE}$** | 11.52 | 11.49 | 10.87 | 11.2 | 15.36 | 14.15 | 12.57 | 11.98 | 12.63 | 13.86 | 13.87 |
| Electrical Conductivity, Field | mS/cm | n/v | n/v | n/v | 116 | 105.5 | 83.6 | 77.9 | 94.6 | 76.5 | 40 | 76.6 | 71.5 | 55.0 | 59.5 | 64.7 | 63.4 |
| Oxidation Reduction Potential, field | mV | n/v | n/v | n/v | 105.6 | 73.7 | 90.9 | 75.6 | 114.8 | 151.5 | 150.1 | 98.8 | 126.9 | 110.2 | 126 | 187.2 | 150.6 |
| pH, Field | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v | 6.98 | 6.99 | 7.96 | 7.9 | 7.04 | 7.44 | 7.52 | 7.31 | 7.46 | 7.68 | 7.5 | 7.3 | 7.62 |
| Specific Conductance, Field | µS/cm | n/v | n/v | n/v | 195.3 | 174.3 | 110.4 | 126.1 | 163.4 | 133.9 | 71.6 | 145.6 | 126.4 | 73.6 | 96.7 | 119.3 | 120.3 |
| Temperature, Field | deg C | n/v | n/v | n/v | 3.8 | 4.3 | 12.3 | 4.977 | 2.95 | 2.557 | 0.2 | 0.2 | 2.3 | 11.8 | 4.817 | 1.04 | 0.2 |
| Total Dissolved Solids, Field | mg/L | n/v | n/v | n/v | 126.75 | 113.1 | 71.50 | 82 | 106 | 87 | 57.00 | 94.24 | 81.9 | 48.10 | - | 77.57 | 78 |
| Turbidity, Field | NTU | n/v | n/v | n/v | 3.35 | 0.86 | - | - | 1.28 | 0.86 | 2.48 | 1.18 | 0.08 | 2.28 | - | 0.45 | 0.67 |
| **General Chemistry** | | | | | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | n/v | n/v | n/v | 5.0 | 3.1 | 2.5 | 2.1 | <2.0 | 2.9 | 2.2 | 2.8 | 2.0 | 2.8 | 2.8 | <2.0 | 2.8 |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | n/v | n/v | n/v | 63.8 | 69.2 | 56.8 | 57.0 | 59.6 | 63.5 | 51.7 | 52.7 | 58.1 | 37.4 | 45.3 | 52.9 | 57.2 |
| Alkalinity, Carbonate (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Phenolphthalein | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Total (as CaCO3) | mg/L | n/v | n/v | n/v | 63.8 | 69.2 | 56.8 | 57.0 | 59.6 | 63.5 | 51.7 | 52.7 | 58.1 | 37.4 | 45.3 | 52.9 | 57.2 |
| Ammonia (as N) | mg/L | Equation*$_{TBC}^{BC}$ | 0.0173/190$_{TBC2}^{E}$ | n/v | 0.0220 | 0.0096 | <0.0050 | 0.0092 | 0.0301 | 0.0662 | 0.0208 | 0.0143 | 0.0092 | 0.0186 | 0.0265 | 0.0389 | 0.0603 |
| **MSOG Ammonia Guideline (Chronic)** | | | | | 5.95 | 5.93 | 2.58 | 2.80 | 5.82 | 4.59 | 4.29 | 5.04 | 4.51 | 3.66 | 4.36 | 5.08 | 3.90 |
| **CCME Ammonia Guideline (Chronic)** | | | | | 12.58 | 12.58 | 0.59 | 1.27 | 12.58 | 3.98 | 6.02 | 6.02 | 3.98 | 0.59 | 3.98 | 3.98 | 1.92 |
| Bromide | mg/L | n/v | n/v | n/v | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| Chloride | mg/L | n/v | 640$^{D}$ 120$^{E}$ | n/v | 0.73 | 0.68 | 0.69 | 0.56 | 0.61 | 0.65 | 0.61 | 0.62 | 0.72 | 0.54 | 0.61 | 0.80 | 0.69 |
| Cyanate | mg/L | n/v | n/v | n/v | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| Cyanide | mg/L | 0.022/0.0052$_{s1}^{C}$ | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Free) | mg/L | 0.022/0.0052$_{s1}^{B}$ | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Weak Acid Dissociable) | mg/L | n/v | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Dissolved Organic Carbon (DOC) | mg/L | n/v | n/v | n/v | 13.5 | 12.2 | 13.3 | 12.9 | 13.7 | 13.3 | 11.6 | 13.2 | 13.5 | 11.7 | 14.1 | 13.1 | 12.4 |
| Electrical Conductivity, Lab | µS/cm | n/v | n/v | n/v | 144 | 153 | 131 | 130 | 136 | 146 | 118 | 119 | 119 | 88.3 | 102 | 119 | 126 |
| Fluoride | mg/L | n/v | 0.12$^{E}$ | n/v | 0.098 | 0.098 | 0.084 | 0.072 | 0.086 | 0.092 | 0.080 | 0.081 | 0.084 | 0.073 | 0.083 | 0.088 | 0.091 |
| Hardness (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | 60.0 | 60.7 | 67.2 | - | - | - | - | 49.4 | 53.1 | 59.8 |
| Hardness (as CaCO3), dissolved | mg/L | n/v | n/v | n/v | 64.2 | 68.7 | 63.3 | 60.5 | 68.2 | 65.1 | 56.7 | 49.9 | 56.7 | 41.0 | 48.5 | 59.9 | 55.8 |
| Nitrate (as N) | mg/L | 13$^{C}$ | 124$^{D}$ 3.0$^{E}$ | n/v | 0.184 | 0.196 | <0.020 | 0.038 | 0.021 | 0.026 | 0.151 | 0.164 | 0.124 | 0.026 | 0.034 | 0.034 | 0.033 |
| Nitrate + Nitrite (as N) | mg/L | 10$^{B}$ 10$^{C}$ | n/v | n/v | 0.184 | 0.196 | <0.0224 | 0.0380 | <0.022 | 0.0260 | 0.151 | 0.164 | 0.124 | 0.0260 | 0.0340 | 0.0340 | 0.0330 |
| Nitrite (as N) | mg/L | 0.06$^{C}$ | 0.06$^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| pH, lab | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v | 7.90 | 7.56 | 8.01 | 7.87 | 7.75 | 7.60 | 7.55 | 7.91 | 7.71 | 7.77 | 7.72 | 7.74 | 7.78 |
| Phosphorus, Total | mg/L | 0.025$^{A}$ | n/v | n/v | **0.0279$^{A}$** | 0.0239 | **0.0372$^{A}$** | 0.0210 | 0.0186 | 0.0172 | 0.0147 | 0.0156 | 0.0229 | 0.0239 | **0.0267$^{A}$** | 0.0148 | 0.0186 RRV |
| Phosphorus, Total (Dissolved) | mg/L | n/v | n/v | n/v | 0.0165 | 0.0100 | 0.0063 | 0.0070 | 0.0089 | 0.0120 | - | 0.0120 | 0.0143 | 0.0102 | 0.0088 | 0.0067 | 0.0217 RRV |
| Sulfate | mg/L | n/v | n/v | n/v | 6.61 | 7.88 | 7.20 | 6.12 | 7.84 | 7.18 | 4.32 | 4.42 | 5.04 | 3.76 | 3.62 | 5.12 | 4.55 |
| Thiocyanate | mg/L | n/v | n/v | n/v | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.53 | <0.50 PHA | <0.50 | <0.50 | <0.50 |
| Total Dissolved Solids | mg/L | n/v | n/v | n/v | 100 | 102 | 75.2 | 64.2 | 89.3 | 77.8 | 81.9 | 80.6 | 90.7 | 58.6 | 62.3 | 83.3 | 74.4 |
| Total Kjeldahl Nitrogen | mg/L | n/v | n/v | n/v | 0.502 | 0.502 | 0.438 | 0.564 | 0.582 | 0.543 | 0.480 | 0.558 | 0.498 | 0.547 | 0.663 | 0.553 | 0.574 |
| Total Organic Carbon | mg/L | n/v | n/v | n/v | 12.6 | 12.4 | 12.7 | 13.6 | 13.5 | 13.0 | 11.9 | 12.4 | 12.3 | 11.3 | 13.6 | 12.8 | 12.8 |
| Total Suspended Solids | mg/L | $_{SN}^{BC}$ | $_{SN}^{E}$ | n/v | 1.2 | 1.6 | 1.5 | 7.3 | 5.9 | <1.0 | <1.0 | <1.0 | 1.2 | 1.8 | 2.1 | <1.0 | 1.7 |
| Turbidity, Lab | NTU | n/v | n/v | n/v | 3.34 | 1.03 | 1.30 | 2.07 | 1.31 | 0.51 | 0.66 | 0.72 | 0.97 | 1.19 | 1.72 | 0.83 | 1.67 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| **Area** | | | | | **Gordon Site** | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Location** | | | | | **AQF16 - Deep** | | | | | | **AQF20 - Surface** | | | | | | |
| **Sample Date** | | | | | **20-Mar-25** | **24-Apr-25** | **23-May-25** | **22-Oct-25** | **23-Nov-25** | **15-Dec-25** | **26-Feb-25** | **20-Mar-25** | **24-Apr-25** | **22-May-25** | **25-Oct-25** | **24-Nov-25** | **13-Dec-25** |
| **Sample ID** | | | | | **AQF16 - Deep** | **AQF16 - deep** | **AQF16-deep** | **AQF16-deep** | **AQF16-Deep** | **AQF16-Deep** | **AQF20** | **AQF20** | **AQF20** | **AQF20** | **AQF20** | **AQF20** | **AQF20** |
| **Sampling Company** | | | | | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** |
| **Laboratory** | | | | | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** |
| **Laboratory Work Order** | | | | | **WP2503851** | **WP2505523** | **WP2507298** | **WP2518837** | **WP2520511** | **WP2521492** | **WP2502751** | **WP2503851** | **WP2505523** | **WP2507298** | **WP2518837** | **WP2520511** | **WP2521492** |
| **Laboratory Sample ID** | | | | | **WP2503851-024** | **WP2505523-021** | **WP2507298-019** | **WP2518837-011** | **WP2520511-019** | **WP2521492-018** | **WP2502751-013** | **WP2503851-027** | **WP2505523-012** | **WP2507298-006** | **WP2518837-032** | **WP2520511-024** | **WP2521492-006** |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** | | | | | | | | | | | | | |
| **Metals, Dissolved** | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | n/v | n/v | n/v | 0.0030 | 0.0035 | 0.0048 | 0.0045 | 0.0040 | 0.0035 | 0.0067 | 0.0067 | 0.0071 | 0.0117 | 0.0108 | 0.0043 | 0.0038 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | 0.34/0.15$_{s2}^{BC}$ | n/v | n/v | 0.00036 | 0.00040 | 0.00032 | 0.00038 | 0.00036 | 0.00034 | 0.00029 | 0.00028 | 0.00030 | 0.00023 | 0.00030 | 0.00030 | 0.00030 |
| Barium | mg/L | n/v | n/v | n/v | 0.0100 | 0.0106 | 0.00708 | 0.00955 | 0.0101 | 0.0103 | 0.0106 | 0.00944 | 0.0110 | 0.00671 | 0.00900 | 0.0100 | 0.0120 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | n/v | n/v | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000062 | <0.0000050 | <0.0000050 |
| **MSOG Cadmium Guideline (Chronic)** | | | | | 0.00018 | 0.00019 | 0.00018 | 0.00017 | 0.00019 | 0.00019 | 0.00017 | 0.00015 | 0.00017 | 0.00013 | 0.00015 | 0.00017 | 0.00017 |
| **MSOG Cadmium Guideline (Acute)** | | | | | 0.00131 | 0.00140 | 0.00129 | 0.00124 | 0.00139 | 0.00137 | 0.00116 | 0.00102 | 0.00116 | 0.00085 | 0.00101 | 0.00122 | 0.00122 |
| Calcium | mg/L | n/v | n/v | n/v | 17.0 | 17.5 | 16.4 | 15.7 | 17.5 | 17.0 | 15.4 | 13.7 | 15.6 | 11.0 | 13.3 | 15.9 | 14.7 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| **MSOG Chromium Guideline (Chronic)** | | | | | 0.00708 | 0.00732 | 0.00703 | 0.00687 | 0.00730 | 0.00724 | 0.00665 | 0.00624 | 0.00665 | 0.00566 | 0.00621 | 0.00684 | 0.00683 |
| Cobalt | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Copper | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s2}^{F}$ | 0.00050 | 0.00453 RRV | 0.00027 | 0.00054 | 0.00025 | 0.00029 | 0.00031 | 0.00043 | 0.00043 | 0.00046 | 0.00034 | 0.00027 | 0.00033 |
| **MSOG Copper Guideline (Chronic)** | | | | | 0.00613 | 0.00650 | 0.00606 | 0.00583 | 0.00646 | 0.00638 | 0.00551 | 0.00494 | 0.00551 | 0.00418 | 0.00490 | 0.00578 | 0.00577 |
| **MSOG Copper Guideline (Acute)** | | | | | 0.0089 | 0.0094 | 0.0087 | 0.0084 | 0.0094 | 0.0092 | 0.0079 | 0.0070 | 0.0079 | 0.0058 | 0.0069 | 0.0083 | 0.0083 |
| **FEQG Copper Guideline (Chronic)** | | | | | 0.0054 | 0.0051 | 0.0178 | 0.0158 | 0.0062 | 0.0109 | 0.0100 | 0.0084 | 0.0109 | 0.0111 | 0.0114 | 0.0087 | 0.0118 |
| Iron | mg/L | n/v | n/v | n/v | 0.123 | 0.100 | 0.050 | 0.023 | 0.025 | 0.021 | 0.152 | 0.188 | 0.163 | 0.086 | 0.035 | 0.018 | 0.031 |
| Lead | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s3}^{F}$ | <0.000050 | 0.000098 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| **MSOG Lead Guideline (Chronic)** | | | | | 0.00155 | 0.00167 | 0.00152 | 0.00145 | 0.00166 | 0.00163 | 0.00135 | 0.00117 | 0.00135 | 0.00094 | 0.00116 | 0.00143 | 0.00143 |
| **MSOG Lead Guideline (Acute)** | | | | | 0.03974 | 0.04281 | 0.03912 | 0.03722 | 0.04247 | 0.04179 | 0.03464 | 0.03007 | 0.03464 | 0.02417 | 0.02973 | 0.03681 | 0.03674 |
| **FEQG Lead Guideline (Chronic)** | | | | | 0.0144 | 0.0138 | 0.0142 | 0.0138 | 0.0146 | 0.0144 | 0.0129 | 0.0134 | 0.0140 | 0.0121 | 0.0139 | 0.0139 | 0.0135 |
| Lithium | mg/L | n/v | n/v | n/v | 0.0011 | 0.0016 | 0.0011 | 0.0017 | 0.0023 | 0.0015 | 0.0014 | <0.0010 | 0.0017 | <0.0010 | 0.0014 | 0.0025 | <0.0010 |
| Magnesium | mg/L | n/v | n/v | n/v | 5.28 | 6.07 | 5.42 | 5.18 | 5.94 | 5.50 | 4.44 | 3.81 | 4.32 | 3.28 | 3.72 | 4.91 | 4.63 |
| Manganese | mg/L | n/v | Equation*$_{EQ3,EQ4}^{DE}$ | n/v | 0.113 | 0.189 | 0.0262 | 0.00702 | 0.00965 | 0.0175 | 0.0158 | 0.0155 | 0.00761 | 0.00393 | 0.00696 | 0.00470 | 0.00724 |
| **CCME Manganese Guideline (Chronic)** | | | | | 0.390 | 0.500 | 0.500 | 0.320 | 0.320 | 0.500 | 0.430 | 0.350 | 0.430 | 0.350 | 0.320 | 0.430 | 0.430 |
| **CCME Manganese Guideline (Acute)** | | | | | 4.511 | 4.787 | 4.455 | 4.282 | 4.757 | 4.695 | 4.045 | 3.616 | 4.045 | 3.043 | 3.584 | 4.244 | 4.238 |
| Mercury | mg/L | n/v | n/v | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | n/v | n/v | 0.000114 | 0.000078 | 0.000132 | 0.000046 | 0.000057 | 0.000044 | 0.000124 | 0.000181 | 0.000228 | 0.000142 | - | - | - |
| Molybdenum | mg/L | n/v | n/v | n/v | 0.000858 | 0.000854 | 0.000586 | 0.000723 | 0.000648 | 0.000712 | 0.000481 | 0.000431 | 0.000526 | 0.000360 | 0.000494 | 0.000549 | 0.000584 |
| Nickel | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.00050 | 0.00065 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| **MSOG Nickel Guideline (Chronic)** | | | | | 0.036 | 0.038 | 0.035 | 0.034 | 0.038 | 0.037 | 0.032 | 0.029 | 0.032 | 0.024 | 0.029 | 0.034 | 0.034 |
| **MSOG Nickel Guideline (Acute)** | | | | | 0.322 | 0.341 | 0.318 | 0.306 | 0.339 | 0.335 | 0.290 | 0.260 | 0.290 | 0.220 | 0.258 | 0.304 | 0.303 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 1.26 | 1.41 | 1.30 | 1.22 | 1.39 | 1.41 | 1.15 | 1.04 | 1.23 | 0.996 | 1.05 | 1.31 | 1.51 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00131 | 0.00155 | 0.00118 | 0.00133 | 0.00139 | 0.00141 | 0.00136 | 0.00110 | 0.00138 | 0.00102 | 0.00120 | 0.00131 | 0.00158 |
| Selenium | mg/L | n/v | n/v | n/v | 0.000139 | <0.000050 | <0.000050 | 0.000068 | 0.000077 | 0.000096 | 0.000053 | 0.000137 | 0.000088 | <0.000050 | 0.000095 | <0.000050 | <0.000050 |
| Silicon | mg/L | n/v | n/v | n/v | 2.14 | 2.46 | 1.74 | 0.393 | 0.478 | 0.610 | 1.21 | 1.15 | 1.25 | 0.597 | 0.889 | 0.904 | 0.880 |
| Silver | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 2.90 | 3.23 | 3.00 | 2.73 | 3.20 | 3.15 | 2.47 | 2.19 | 2.50 | 1.86 | 2.08 | 2.66 | 2.69 |
| Strontium | mg/L | n/v | n/v | 2.5$^{F}$ | 0.0405 | 0.0426 | 0.0372 | 0.0384 | 0.0396 | 0.0399 | 0.0322 | 0.0314 | 0.0355 | 0.0237 | 0.0297 | 0.0348 | 0.0352 |
| Sulfur | mg/L | n/v | n/v | n/v | 1.80 | 2.83 | 2.93 | 2.62 | 2.88 | 2.81 | 1.62 | 1.06 | 1.43 | 1.48 | 3.61 RRV | 2.14 | 1.91 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | 0.00031 | 0.00066 RRV | 0.00023 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00015 | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | n/v | n/v | n/v | 0.000049 | 0.000059 | 0.000065 | 0.000051 | 0.000053 | 0.000053 | 0.000027 | 0.000026 | 0.000036 | 0.000031 | 0.000033 | 0.000038 | 0.000033 |
| Vanadium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | Equation*$_{s5}^{BC}$ | Equation*$_{EQ1,EQ2}^{DE}$ | n/v | <0.0010 | 0.0047 RRV | <0.0010 | 0.0013 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0012 | <0.0010 | <0.0010 | <0.0010 |
| **MSOG Zinc Guideline (Chronic)** | | | | | 0.081 | 0.086 | 0.080 | 0.077 | 0.085 | 0.084 | 0.073 | 0.066 | 0.073 | 0.056 | 0.065 | 0.077 | 0.076 |
| **MSOG Zinc Guideline (Acute)** | | | | | 0.080 | 0.085 | 0.080 | 0.077 | 0.085 | 0.084 | 0.072 | 0.065 | 0.072 | 0.055 | 0.064 | 0.076 | 0.076 |
| **CCME Zinc Guideline (Chronic)** | | | | | 0.024 | 0.032 | 0.021 | 0.023 | 0.028 | 0.031 | 0.026 | 0.018 | 0.025 | 0.016 | 0.022 | 0.025 | 0.024 |
| **CCME Zinc Guideline (Acute)** | | | | | 0.101 | 0.105 | 0.100 | 0.095 | 0.107 | 0.105 | 0.088 | 0.082 | 0.091 | 0.067 | 0.082 | 0.095 | 0.094 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Location** | | | | | **AQF16 - Deep** | | | | | | **AQF20 - Surface** | | | | | | |
| **Sample Date** | | | | | **20-Mar-25** | **24-Apr-25** | **23-May-25** | **22-Oct-25** | **23-Nov-25** | **15-Dec-25** | **26-Feb-25** | **20-Mar-25** | **24-Apr-25** | **22-May-25** | **25-Oct-25** | **24-Nov-25** | **13-Dec-25** |
| **Sample ID** | | | | | **AQF16 - Deep** | **AQF16 - deep** | **AQF16-deep** | **AQF16-deep** | **AQF16-Deep** | **AQF16-Deep** | **AQF20** | **AQF20** | **AQF20** | **AQF20** | **AQF20** | **AQF20** | **AQF20** |
| **Sampling Company** | | | | | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** |
| **Laboratory** | | | | | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** |
| **Laboratory Work Order** | | | | | **WP2503851** | **WP2505523** | **WP2507298** | **WP2518837** | **WP2520511** | **WP2521492** | **WP2502751** | **WP2503851** | **WP2505523** | **WP2507298** | **WP2518837** | **WP2520511** | **WP2521492** |
| **Laboratory Sample ID** | | | | | **WP2503851-024** | **WP2505523-021** | **WP2507298-019** | **WP2518837-011** | **WP2520511-019** | **WP2521492-018** | **WP2502751-013** | **WP2503851-027** | **WP2505523-012** | **WP2507298-006** | **WP2518837-032** | **WP2520511-024** | **WP2521492-006** |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** | | | | | | | | | | | | | |
| **Metals, Total** | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | $0.005/0.1_{VAR}^{C}$ | $0.005/0.1_{VAR1}^{E}$ | Equation*$_{s1}^{F}$ | 0.0097 | 0.0098 | 0.0201 | 0.0344 | 0.0643 | 0.0172 | 0.0200 | 0.0223 | 0.0369 | 0.0728 | 0.0913 | 0.0358 | 0.0579 |
| **FEQG Aluminum Guideline (Chronic)** | | | | | 0.88 | 0.90 | 2.00 | 1.9 | 0.94 | 1.3 | 1.3 | 1.1 | 1.3 | 1.5 | 1.3 | 1.1 | 1.5 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | n/v | $0.005^{E}$ | n/v | 0.00042 | 0.00045 | 0.00035 | 0.00036 | 0.00039 | 0.00037 | 0.00031 | 0.00032 | 0.00032 | 0.00027 | 0.00038 | 0.00029 | 0.00033 |
| Barium | mg/L | n/v | n/v | n/v | 0.0108 | 0.0101 | 0.00880 | 0.00982 | 0.0107 | 0.0105 | 0.0107 | 0.0102 | 0.0110 | 0.00861 | 0.00989 | 0.0106 | 0.0118 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | $29/1.5_{s3}^{C}$ | $29^{D}$ $1.5^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | n/v | $0.001_{STB}^{D}$ $0.00009_{LTG}^{E}$ | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000121 | <0.0000050 | <0.0000050 |
| **CCME Cadmium Guideline (Chronic)** | | | | | 0.00011 | 0.00012 | 0.00011 | 0.00010 | 0.00012 | 0.00011 | 0.00010 | 0.00009 | 0.00010 | 0.00008 | 0.00009 | 0.00010 | 0.00010 |
| **CCME Cadmium Guideline (Acute)** | | | | | 0.00134 | 0.00143 | 0.00132 | 0.00126 | 0.00142 | 0.00140 | 0.00118 | 0.00104 | 0.00118 | 0.00085 | 0.00103 | 0.00125 | 0.00124 |
| Calcium | mg/L | n/v | n/v | n/v | 18.2 | 17.3 | 16.4 | 15.9 | 15.0 | 17.6 | 15.2 | 15.3 | 15.0 | 11.1 | 13.1 | 13.5 | 15.7 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Chromium (Hexavalent) | mg/L | n/v | $0.001^{E}$ | $0.005^{F}$ | 0.00076 | <0.00050 | <0.00050 | 0.00057 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00058 | 0.00095 RRV | <0.00050 | <0.00050 |
| Cobalt | mg/L | n/v | n/v | Equation*$_{s4}^{F}$ | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| **FEQG Cobalt Guideline (Chronic)** | | | | | 0.0008 | 0.0009 | 0.0008 | 0.0008 | 0.0009 | 0.0009 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 |
| Copper | mg/L | n/v | Equation*$_{EQ6}^{E}$ | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| **CWQG Copper Guideline (Chronic)** | | | | | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| Iron | mg/L | $0.3^{C}$ | $0.3^{E}$ | Equation*$_{s5}^{F}$ | 0.175 | 0.149 | 0.114 | 0.081 | 0.112 | 0.048 | 0.200 | 0.266 | 0.251 | 0.250 | 0.141 | 0.067 | 0.089 |
| **FEQG Iron Guideline (Chronic)** | | | | | 0.80 | 0.80 | 0.76 | 0.78 | 0.80 | 0.80 | 0.79 | 0.80 | 0.80 | 0.79 | 0.80 | 0.80 | 0.79 |
| Lead | mg/L | n/v | Equation*$_{EQ5}^{E}$ | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| **CWQG Lead Guideline (Chronic)** | | | | | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Lithium | mg/L | n/v | n/v | n/v | 0.0011 | 0.0014 | 0.0014 | 0.0019 | 0.0013 | 0.0019 | 0.0014 | 0.0012 | <0.0010 | <0.0010 | 0.0016 | 0.0013 | 0.0021 |
| Magnesium | mg/L | n/v | n/v | n/v | 5.65 | 5.90 | 5.26 | 4.92 | 5.64 | 5.65 | 4.44 | 4.29 | 4.49 | 3.32 | 4.05 | 4.72 | 5.01 |
| Manganese | mg/L | n/v | n/v | n/v | 0.202 | 0.220 | 0.0682 | 0.0119 | 0.0113 | 0.0198 | 0.0204 | 0.0270 | 0.0200 | 0.0540 | 0.0341 | 0.0135 | 0.0125 |
| Mercury | mg/L | $0.000026^{C}$ | $0.000026^{E}$ | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | $0.004^{E}$ | n/v | 0.000116 | 0.000079 | 0.000106 | 0.000043 | 0.000054 | 0.000045 | 0.000114 | 0.000191 | 0.000179 | - | - | - | - |
| Molybdenum | mg/L | $0.073^{C}$ | $0.073^{E}$ | n/v | 0.000906 | 0.000763 | 0.000610 | 0.000698 | 0.000688 | 0.000750 | 0.000461 | 0.000452 | 0.000485 | 0.000386 | 0.000516 | 0.000540 | 0.000641 |
| Nickel | mg/L | n/v | Equation*$_{EQ7}^{E}$ | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00065 |
| **CWQG Nickel Guideline (Chronic)** | | | | | 0.068 | 0.072 | 0.068 | 0.065 | 0.071 | 0.071 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 1.22 | 1.43 | 1.27 | 1.27 | 1.38 | 1.35 | 1.22 | 1.11 | 1.34 | 1.06 | 1.14 | 1.27 | 1.38 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00143 | 0.00148 | 0.00126 | 0.00141 | 0.00141 | 0.00146 | 0.00128 | 0.00133 | 0.00136 | 0.00127 | 0.00135 | 0.00138 | 0.00157 |
| Selenium | mg/L | $0.001^{C}$ | $0.001^{E}$ | n/v | 0.000074 | <0.000050 | 0.000105 | <0.000050 | 0.000069 | <0.000050 | 0.000064 | <0.000050 DTSE | <0.000050 | <0.000050 | 0.000060 | 0.000071 | 0.000063 |
| Silicon | mg/L | n/v | n/v | n/v | 2.14 | 2.54 | 1.67 | 0.44 | 0.65 | 0.69 | 1.28 | 1.30 | 1.39 | 0.75 | 1.15 | 0.98 | 1.07 |
| Silver | mg/L | $0.0001^{C}$ | $0.00025^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 2.92 | 3.42 | 2.78 | 2.75 | 3.11 | 3.15 | 2.44 | 2.35 | 2.57 | 1.90 | 2.26 | 2.51 | 2.84 |
| Strontium | mg/L | n/v | n/v | n/v | 0.0454 | 0.0392 | 0.0366 | 0.0381 | 0.0384 | 0.0408 | 0.0332 | 0.0354 | 0.0358 | 0.0258 | 0.0276 | 0.0320 | 0.0439 |
| Sulfur | mg/L | n/v | n/v | n/v | 2.23 | 3.16 | 2.60 | 2.56 | 2.93 | 3.02 | 1.80 | 1.51 | 1.48 | 1.38 | 1.66 | 1.85 | 1.95 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | $0.0008^{C}$ | $0.0008^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | 0.00056 | 0.00010 | 0.00100 | <0.00010 | <0.00010 | 0.00014 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | 0.00043 | 0.00038 | 0.00073 | 0.00135 | 0.00261 | 0.00040 | 0.00063 | 0.00071 | 0.00114 | 0.00290 | 0.00309 | 0.00143 | 0.00240 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | $0.033/0.015_{s4}^{C}$ | $0.033^{D}$ $0.015^{E}$ | n/v | 0.000058 | 0.000064 | 0.000068 | 0.000053 | 0.000061 | 0.000056 | 0.000032 | 0.000032 | 0.000036 | 0.000046 | 0.000047 | 0.000046 | 0.000047 |
| Vanadium | mg/L | n/v | n/v | $0.12^{F}$ | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | n/v | n/v | n/v | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQF33 - Surface | | | | | | | AQF34 - Surface | | | | | | | | |
| Sample Date | | | | | 27-Feb-25 | 18-Mar-25 | 23-Apr-25 | 22-May-25 | 22-Oct-25 | 23-Nov-25 | 16-Dec-25 | 22-Jan-25 | 27-Feb-25 | 18-Mar-25 | 18-Mar-25 | 23-Apr-25 | 22-May-25 | 22-Oct-25 | 22-Nov-25 | 15-Dec-25 |
| Sample ID | | | | | AQF33 | AQF33 | AQF33 | AQF33 | AQF33 | AQF33 | AQF33 | AQF34 - Surface | AQF34 | AQF34 | AQF34 - Surface | AQF34 - surface | AQF34-surface | AQF34-surface | AQF34- Surface | AQF34-Surface |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | STANTEC | ALS | STANTEC | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2502751 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521634 | FIELD2025 | WP2502751 | FIELD2025 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521492 |
| Laboratory Sample ID | | | | | WP2502751-028 | WP2503851-007 | WP2505523-007 | WP2507298-013 | WP2518837-007 | WP2520511-011 | WP2521634-005 | FIELD | WP2502751-027 | FIELD | WP2503851-005 | WP2505523-005 | WP2507298-011 | WP2518837-008 | WP2520511-006 | WP2521492-022 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | | | |
| **Field Parameters** | | | | | | | | | | | | | | | | | | | | |
| Dissolved Oxygen, Field | mg/L | >6.0$^{BC}$ | >6.5$_{VAR}$$^{E}$ | n/v | 8.31 | **4.41**$^{BCE}$ | **5.08**$^{BCE}$ | 13.58 | 11.93 | 14.25 | 12.47 | 14.25 | 13.24 | **0.42**$^{BCE}$ | 7.62 | 8.23 | 14.47 | 12.16 | 14.14 | 11.59 |
| Electrical Conductivity, Field | mS/cm | n/v | n/v | n/v | 143.8 | 110.9 | 144.3 | 137.7 | 128.5 | 131 | 126.4 | 1.7 | 3.6 | 181.5 | 127 | 159.8 | 158.0 | 168.6 | 169.4 | 167.4 |
| Oxidation Reduction Potential, field | mV | n/v | n/v | n/v | 33.4 | 44.9 | -4.9 | 6.7 | 106 | 189.9 | 115.6 | 122.3 | 25 | -198.2 | 189.1 | 9.3 | 186.8 | 94.8 | 7.91 | 110.6 |
| pH, Field | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v | 7.7 | 7.17 | 7.29 | 8.11 | 8.09 | 7.74 | 7.59 | 7.77 | 7.63 | 7.18 | 7.24 | 7.29 | 8.09 | 8.22 | 7.91 | 7.64 |
| Specific Conductance, Field | µS/cm | n/v | n/v | n/v | 275.7 | 208.5 | 270.1 | 179.1 | 210.6 | 244.5 | 239.2 | - | 7.1 | 295 | 246.6 | 291.8 | 207.8 | 271.7 | 313.8 | 311.7 |
| Temperature, Field | deg C | n/v | n/v | n/v | -0.1 | 0.5 | 0.8 | 12.9 | 4.58 | 0.702 | 0.301 | -0.1 | -0.1 | 4.8 | 0 | 1.3 | 12.4 | 5.136 | 0.91 | 0.765 |
| Total Dissolved Solids, Field | mg/L | n/v | n/v | n/v | 181.00 | 136.2 | 175.5 | 116.35 | 137 | 159 | 155 | 3.00 | 5 | 191.75 | 157.3 | 187.85 | 136.20 | 177 | 204 | 203 |
| Turbidity, Field | NTU | n/v | n/v | n/v | 0.39 | 0.63 | 1.34 | 1.96 | - | 1.31 | 0 | 1.22 | 0.6 | - | 0.34 | 1.1 | 1.29 | - | 0 | 0 |
| **General Chemistry** | | | | | | | | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | n/v | n/v | n/v | 4.5 | 7.0 | 2.4 | <2.0 | 2.4 | <2.0 | 2.1 | - | 4.2 | - | 6.7 | <2.0 | <2.0 | 2.3 | <2.0 | <2.0 |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | n/v | n/v | n/v | 109 | 111 | 106 | 85.2 | 81.6 | 91.2 | 100 | - | 127 | - | 128 | 118 | 97.8 | 105 | 116 | 124 |
| Alkalinity, Carbonate (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | - | <2.0 | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | - | <2.0 | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Phenolphthalein | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | - | <2.0 | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Total (as CaCO3) | mg/L | n/v | n/v | n/v | 109 | 111 | 106 | 85.2 | 81.6 | 91.2 | 100 | - | 127 | - | 128 | 118 | 97.8 | 105 | 116 | 124 |
| Ammonia (as N) | mg/L | Equation*$_{TBC}$$^{BC}$ | 0.0173/190$_{TBC2}$$^{E}$ | n/v | 0.0110 | 0.0124 | 0.0273 | 0.0084 | 0.0161 | 0.0411 | 0.0542 | - | 0.0153 | - | 0.0162 | 0.0305 | 0.0111 | 0.0280 | 0.0271 | 0.0410 |
| **MSOG Ammonia Guideline (Chronic)** | | | | | 3.58 | 5.48 | 5.11 | 2.07 | 2.13 | 3.42 | 4.02 | - | 3.86 | - | 5.27 | 5.11 | 2.13 | 1.74 | 2.76 | 3.82 |
| **CCME Ammonia Guideline (Chronic)** | | | | | 1.92 | 6.02 | 6.02 | 0.20 | 1.27 | 1.92 | 6.02 | - | 1.92 | - | 6.02 | 3.98 | 0.59 | 0.41 | 1.92 | 1.92 |
| Bromide | mg/L | n/v | n/v | n/v | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | - | <0.10 | - | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| Chloride | mg/L | n/v | 640$^{D}$ 120$^{E}$ | n/v | 0.83 | 0.92 | 0.85 | 0.68 | 0.82 | 0.98 | 0.72 | - | 0.87 | - | 1.18 | 0.89 | 0.75 | 0.72 | 0.80 | 0.87 |
| Cyanate | mg/L | n/v | n/v | n/v | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | - | <0.20 | - | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| Cyanide | mg/L | 0.022/0.0052$_{s1}$$^{C}$ | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | - | <0.0010 | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Free) | mg/L | 0.022/0.0052$_{s1}$$^{B}$ | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | - | <0.0010 | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Weak Acid Dissociable) | mg/L | n/v | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | - | <0.0010 | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0010 | <0.0010 |
| Dissolved Organic Carbon (DOC) | mg/L | n/v | n/v | n/v | 13 | 13.2 | 14.1 | 12.9 | 14.3 | 15.3 | 15.8 | - | 11.2 | - | 11 | 10.2 | 10.6 | 11.7 | 11.5 | 11.6 |
| Electrical Conductivity, Lab | µS/cm | n/v | n/v | n/v | 277 | 275 | 251 | 213 | 216 | 240 | 236 | - | 324 | - | 318 | 288 | 248 | 277 | 302 | 326 |
| Fluoride | mg/L | n/v | 0.12$^{E}$ | n/v | 0.084 | 0.088 | 0.084 | 0.075 | 0.065 | 0.085 | 0.089 | - | 0.080 | - | 0.090 | 0.081 | 0.076 | 0.069 | 0.085 | 0.091 |
| Hardness (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | - | 105 | 109 | 114 | - | - | - | - | - | - | 134 | 136 | 156 |
| Hardness (as CaCO3), dissolved | mg/L | n/v | n/v | n/v | 128 | 124 | 120 | 96.6 | 100 | 119 | 111 | - | 155 | - | 149 | 121 | 119 | 128 | 154 | 147 |
| Nitrate (as N) | mg/L | 13$^{C}$ | 124$^{D}$ 3.0$^{E}$ | n/v | 0.216 | 0.248 | 0.231 | <0.020 | 0.041 | 0.060 | 0.076 | - | 0.108 | - | 0.135 | 0.130 | <0.020 | 0.020 | 0.324 | 0.062 |
| Nitrate + Nitrite (as N) | mg/L | 10$^{B}$ 10$^{C}$ | n/v | n/v | 0.216 | 0.248 | 0.231 | <0.0224 | 0.0410 | 0.0600 | 0.0760 | - | 0.108 | - | 0.135 | 0.130 | <0.0224 | <0.022 | 0.324 | 0.0620 |
| Nitrite (as N) | mg/L | 0.06$^{C}$ | 0.06$^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | - | <0.010 | - | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| pH, lab | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v | 7.69 | 7.76 | 7.71 | 8.17 | 8.03 | 7.90 | 7.71 | - | 7.76 | - | 7.81 | 7.77 | 8.23 | 8.15 | 8.06 | 7.92 |
| Phosphorus, Total | mg/L | 0.025$^{A}$ | n/v | n/v | 0.0158 | 0.0169 | 0.0173 | 0.0233 | 0.0171 | 0.0210 | 0.0235 | - | 0.0096 | - | 0.0212 | 0.0164 | 0.0199 | 0.0118 | 0.0100 | 0.0102 |
| Phosphorus, Total (Dissolved) | mg/L | n/v | n/v | n/v | - | 0.0149 | 0.0118 | 0.0078 | 0.0098 | 0.0097 | 0.0091 | - | - | - | 0.0114 | 0.0102 | 0.0074 | 0.0069 | 0.0058 | 0.0081 |
| Sulfate | mg/L | n/v | n/v | n/v | 31.6 | 32.8 | 30.6 | 23.2 | 24.2 | 31.0 | 31.6 | - | 40.2 | - | 43.0 | 38.4 | 30.3 | 39.5 | 47.6 | 47.1 |
| Thiocyanate | mg/L | n/v | n/v | n/v | <0.50 | <0.50 | 0.52 | <0.50 | <0.50 | <0.50 | <0.50 | - | <0.50 | - | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Total Dissolved Solids | mg/L | n/v | n/v | n/v | 180 | 184 | 182 | 129 | 127 | 142 | 138 | - | 203 | - | 214 | 186 | 141 | 154 | 180 | 214 |
| Total Kjeldahl Nitrogen | mg/L | n/v | n/v | n/v | 0.537 | 0.596 | 0.583 | 0.477 | 0.620 | 0.656 | 0.601 | - | 0.464 | - | 0.425 | 0.420 | 0.437 | 0.474 | 0.432 | 0.452 |
| Total Organic Carbon | mg/L | n/v | n/v | n/v | 13.6 | 13.9 | 13.0 | 11.6 | 14.5 | 15.5 | 15.6 | - | 12.1 | - | 11.0 | 9.69 | 10.2 | 10.6 | 12.1 | 11.8 |
| Total Suspended Solids | mg/L | SN$^{BC}$ | SN$^{E}$ | n/v | <1.0 | <1.0 | 1.5 | 2.2 | <1.0 | <1.0 | <1.0 | - | <1.0 | - | <1.0 | 1.2 | 1.5 | <1.0 | <1.0 | <1.0 |
| Turbidity, Lab | NTU | n/v | n/v | n/v | 0.25 | 0.29 | 0.73 | 1.41 | 1.03 | 0.44 | 0.33 | - | 0.35 | - | 0.25 | 0.60 | 1.22 | 0.70 | 0.30 | 0.27 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQF33 - Surface | | | | | | | AQF34 - Surface | | | | | | | | |
| Sample Date | | | | | 27-Feb-25 | 18-Mar-25 | 23-Apr-25 | 22-May-25 | 22-Oct-25 | 23-Nov-25 | 16-Dec-25 | 22-Jan-25 | 27-Feb-25 | 18-Mar-25 | 18-Mar-25 | 23-Apr-25 | 22-May-25 | 22-Oct-25 | 22-Nov-25 | 15-Dec-25 |
| Sample ID | | | | | AQF33 | AQF33 | AQF33 | AQF33 | AQF33 | AQF33 | AQF33 | AQF34 - Surface | AQF34 | AQF34 | AQF34 - Surface | AQF34 - surface | AQF34-surface | AQF34-surface | AQF34- Surface | AQF34-Surface |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | STANTEC | ALS | STANTEC | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2502751 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521634 | FIELD2025 | WP2502751 | FIELD2025 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521492 |
| Laboratory Sample ID | | | | | WP2502751-028 | WP2503851-007 | WP2505523-007 | WP2507298-013 | WP2518837-007 | WP2520511-011 | WP2521634-005 | FIELD | WP2502751-027 | FIELD | WP2503851-005 | WP2505523-005 | WP2507298-011 | WP2518837-008 | WP2520511-006 | WP2521492-022 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | | | |
| **Metals, Dissolved** | | | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | n/v | n/v | n/v | 0.0115 | 0.0064 | 0.0064 | 0.0064 | 0.0061 | 0.0060 | 0.0036 | - | 0.0030 | - | 0.0022 | 0.0017 | 0.0049 | 0.0023 | 0.0020 | 0.0045 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | - | <0.00010 | 0.00013 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | 0.34/0.15$_{s2}^{BC}$ | n/v | n/v | 0.00060 | 0.00083 | 0.00062 | 0.00064 | 0.00063 | 0.00075 | 0.00067 | - | 0.00109 | - | 0.00142 | 0.00094 | 0.00079 | 0.00109 | 0.00112 | 0.00101 |
| Barium | mg/L | n/v | n/v | n/v | 0.0200 | 0.0233 | 0.0213 | 0.0134 | 0.0141 | 0.0149 | 0.0154 | - | 0.0204 | - | 0.0238 | 0.0181 | 0.0146 | 0.0151 | 0.0155 | 0.0163 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | - | <0.000020 | - | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | - | <0.000050 | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | n/v | n/v | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | - | <0.010 | - | <0.010 | <0.010 | <0.010 | <0.010 | 0.013 | <0.010 |
| Cadmium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | 0.0000074 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | - | <0.0000050 | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| MSOG Cadmium Guideline (Chronic) | | | | | 0.00029 | 0.00029 | 0.00028 | 0.00024 | 0.00025 | 0.00028 | 0.00027 | - | 0.00033 | - | 0.00032 | 0.00028 | 0.00028 | 0.00030 | 0.00033 | 0.00033 |
| MSOG Cadmium Guideline (Acute) | | | | | 0.00256 | 0.00248 | 0.00240 | 0.00195 | 0.00211 | 0.00238 | 0.00229 | - | 0.00308 | - | 0.00297 | 0.00242 | 0.00238 | 0.00268 | 0.00306 | 0.00310 |
| Calcium | mg/L | n/v | n/v | n/v | 35.1 | 33.9 | 31.8 | 25.0 | 27.2 | 31.8 | 29.2 | - | 42.5 | - | 41.7 | 33.1 | 32.2 | 34.7 | 41.7 | 40.0 |
| Cesium | mg/L | n/v | n/v | n/v | 0.000012 | 0.000015 | 0.000014 | 0.000012 | <0.000010 | 0.000011 | <0.000010 | - | 0.000065 | - | 0.000068 | 0.000051 | 0.000032 | 0.000057 | 0.000062 | 0.000058 |
| Chromium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | <0.00050 | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| MSOG Chromium Guideline (Chronic) | | | | | 0.00999 | 0.00983 | 0.00967 | 0.00868 | 0.00905 | 0.00963 | 0.00943 | - | 0.01098 | - | 0.01077 | 0.00971 | 0.00963 | 0.01022 | 0.01095 | 0.01102 |
| Cobalt | mg/L | n/v | n/v | n/v | 0.00012 | 0.00014 | 0.00019 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00015 |
| Copper | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s2}^{F}$ | 0.00232 | 0.00034 | 0.00060 | 0.00033 | 0.00047 | 0.00032 | 0.00036 | - | 0.00045 | - | 0.00038 | 0.00044 | 0.00029 | 0.00035 | 0.00035 | 0.00036 |
| MSOG Copper Guideline (Chronic) | | | | | 0.01106 | 0.01076 | 0.01047 | 0.00869 | 0.00934 | 0.01039 | 0.01002 | - | 0.01302 | - | 0.01259 | 0.01054 | 0.01039 | 0.01150 | 0.01295 | 0.01310 |
| MSOG Copper Guideline (Acute) | | | | | 0.0170 | 0.0165 | 0.0160 | 0.0130 | 0.0141 | 0.0158 | 0.0152 | - | 0.0203 | - | 0.0196 | 0.0161 | 0.0158 | 0.0177 | 0.0202 | 0.0204 |
| FEQG Copper Guideline (Chronic) | | | | | 0.0171 | 0.0092 | 0.0115 | 0.0213 | 0.0222 | 0.0204 | 0.0181 | - | 0.0146 | - | 0.0090 | 0.0083 | 0.0182 | 0.0201 | 0.0185 | 0.0151 |
| Iron | mg/L | n/v | n/v | n/v | 0.089 | 0.103 | 0.155 | 0.135 | 0.047 | 0.044 | 0.035 | - | 0.072 | - | 0.070 | 0.075 | 0.065 | 0.017 | 0.018 | 0.021 |
| Lead | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s3}^{F}$ | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | - | <0.000050 | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| MSOG Lead Guideline (Chronic) | | | | | 0.00329 | 0.00318 | 0.00307 | 0.00242 | 0.00265 | 0.00304 | 0.00290 | - | 0.00404 | - | 0.00387 | 0.00310 | 0.00304 | 0.00346 | 0.00401 | 0.00407 |
| MSOG Lead Guideline (Acute) | | | | | 0.08441 | 0.08156 | 0.07872 | 0.06219 | 0.06810 | 0.07801 | 0.07446 | - | 0.10372 | - | 0.09941 | 0.07943 | 0.07801 | 0.08868 | 0.10300 | 0.10443 |
| FEQG Lead Guideline (Chronic) | | | | | 0.0163 | 0.0163 | 0.0168 | 0.0153 | 0.0164 | 0.0175 | 0.0176 | - | 0.0157 | - | 0.0155 | 0.0142 | 0.0145 | 0.0156 | 0.0159 | 0.0161 |
| Lithium | mg/L | n/v | n/v | n/v | 0.0022 | 0.0022 | 0.0024 | 0.0015 | 0.0024 | 0.0033 | 0.0028 | - | 0.0024 | - | 0.0023 | 0.0021 | 0.0016 | 0.0028 | 0.0033 | 0.0030 |
| Magnesium | mg/L | n/v | n/v | n/v | 9.82 | 9.55 | 9.92 | 8.30 | 7.80 | 9.52 | 9.13 | - | 11.9 | - | 11.0 | 9.37 | 9.35 | 10.0 | 12.1 | 11.5 |
| Manganese | mg/L | n/v | Equation*$_{EQ3,EQ4}^{DE}$ | n/v | 0.238 | 0.343 | 0.444 | 0.0847 | 0.00544 | 0.00472 | 0.00584 | - | 0.309 | - | 0.332 | 0.311 | 0.0304 | 0.00573 | 0.00475 | 0.0106 |
| CCME Manganese Guideline (Chronic) | | | | | 0.500 | 0.470 | 0.610 | 0.490 | 0.250 | 0.250 | 0.470 | - | 0.400 | - | 0.660 | 0.610 | 0.530 | 0.260 | 0.260 | 0.400 |
| CCME Manganese Guideline (Acute) | | | | | 8.267 | 8.040 | 7.812 | 6.457 | 6.948 | 7.755 | 7.468 | - | 9.780 | - | 9.447 | 7.869 | 7.755 | 8.607 | 9.725 | 9.836 |
| Mercury | mg/L | n/v | n/v | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 SFP | - | <0.0000050 | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | n/v | n/v | 0.000056 | 0.000048 | 0.000082 | 0.000104 | - | - | - | - | 0.000173 | - | 0.000118 | 0.000363 | 0.000150 | - | - | - |
| Molybdenum | mg/L | n/v | n/v | n/v | 0.000474 | 0.000458 | 0.000448 | 0.000307 | 0.000364 | 0.000362 | 0.000393 | - | 0.000418 | - | 0.000466 | 0.000366 | 0.000316 | 0.000409 | 0.000428 | 0.000450 |
| Nickel | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | 0.00056 | <0.00050 | <0.00050 | <0.00050 | 0.00061 | <0.00050 | <0.00050 | - | <0.00050 | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00060 |
| MSOG Nickel Guideline (Chronic) | | | | | 0.064 | 0.062 | 0.061 | 0.051 | 0.054 | 0.060 | 0.058 | - | 0.075 | - | 0.073 | 0.061 | 0.060 | 0.067 | 0.075 | 0.076 |
| MSOG Nickel Guideline (Acute) | | | | | 0.577 | 0.562 | 0.546 | 0.455 | 0.488 | 0.542 | 0.523 | - | 0.678 | - | 0.656 | 0.550 | 0.542 | 0.600 | 0.675 | 0.682 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | - | <0.050 | - | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 2.56 | 2.62 | 2.52 | 2.26 | 1.92 | 2.29 | 2.47 | - | 2.75 | - | 2.80 | 2.34 | 2.61 | 2.53 | 2.91 | 3.05 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00242 | 0.00251 | 0.00231 | 0.00171 | 0.00183 | 0.00222 | 0.00216 | - | 0.00241 | - | 0.00262 | 0.00204 | 0.00216 | 0.00237 | 0.00266 | 0.00250 |
| Selenium | mg/L | n/v | n/v | n/v | 0.000053 | 0.000110 | 0.000074 | 0.000052 | 0.000113 | 0.000072 | 0.000075 | - | <0.000050 | - | 0.000067 | <0.000050 | <0.000050 | 0.000106 DTSE | 0.000075 | 0.000067 |
| Silicon | mg/L | n/v | n/v | n/v | 1.15 | 1.36 | 1.50 | 1.64 | 1.20 | 1.34 | 1.47 | - | 3.29 | - | 3.16 | 2.84 | 2.41 | 1.80 | 2.09 | 2.49 |
| Silver | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - | <0.000010 | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 7.18 | 5.42 | 5.86 | 4.82 | 4.67 | 5.65 | 5.57 | - | 6.30 | - | 5.38 | 5.18 | 4.86 | 5.37 | 6.58 | 6.45 |
| Strontium | mg/L | n/v | n/v | 2.5$^{F}$ | 0.0783 | 0.0805 | 0.0775 | 0.0571 | 0.0597 | 0.0685 | 0.0659 | - | 0.0978 | - | 0.0999 | 0.0773 | 0.0694 | 0.0835 | 0.0875 | 0.0917 |
| Sulfur | mg/L | n/v | n/v | n/v | 11.7 | 10.7 | 9.30 | 8.81 | 8.53 | 10.1 | 10.8 | - | 17.3 | - | 13.9 | 10.5 | 10.8 | 14.5 | 15.2 | 16.7 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | - | <0.00020 | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - | <0.000010 | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | 0.00032 RRV | - | <0.00010 | 0.00013 | <0.00010 | 0.00013 | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | - | <0.00030 | - | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | n/v | n/v | n/v | 0.000403 | 0.000464 | 0.000420 | 0.000314 | 0.000242 | 0.000251 | 0.000268 | - | 0.000533 | - | 0.000643 | 0.000484 | 0.000425 | 0.000490 | 0.000549 | 0.000606 |
| Vanadium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | <0.00050 | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | Equation*$_{s5}^{BC}$ | Equation*$_{EQ1,EQ2}^{DE}$ | n/v | 0.0086 RRV | 0.0013 | 0.0020 | <0.0010 | 0.0087 RRV | <0.0010 | <0.0010 | - | <0.0010 | - | <0.0010 | 0.0017 | <0.0010 | 0.0021 | 0.0011 | <0.0010 |
| MSOG Zinc Guideline (Chronic) | | | | | 0.146 | 0.142 | 0.138 | 0.115 | 0.123 | 0.137 | 0.132 | - | 0.171 | - | 0.166 | 0.139 | 0.137 | 0.151 | 0.170 | 0.172 |
| MSOG Zinc Guideline (Acute) | | | | | 0.144 | 0.141 | 0.137 | 0.114 | 0.122 | 0.136 | 0.131 | - | 0.170 | - | 0.164 | 0.138 | 0.136 | 0.150 | 0.169 | 0.171 |
| CCME Zinc Guideline (Chronic) | | | | | 0.053 | 0.049 | 0.051 | 0.027 | 0.035 | 0.045 | 0.051 | - | 0.057 | - | 0.052 | 0.043 | 0.029 | 0.037 | 0.045 | 0.051 |
| CCME Zinc Guideline (Acute) | | | | | 0.178 | 0.174 | 0.172 | 0.141 | 0.155 | 0.174 | 0.170 | - | 0.202 | - | 0.194 | 0.160 | 0.160 | 0.181 | 0.202 | 0.205 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | - | <0.00030 | - | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQF33 - Surface | | | | | | | AQF34 - Surface | | | | | | | | |
| Sample Date | | | | | 27-Feb-25 | 18-Mar-25 | 23-Apr-25 | 22-May-25 | 22-Oct-25 | 23-Nov-25 | 16-Dec-25 | 22-Jan-25 | 27-Feb-25 | 18-Mar-25 | 18-Mar-25 | 23-Apr-25 | 22-May-25 | 22-Oct-25 | 22-Nov-25 | 15-Dec-25 |
| Sample ID | | | | | AQF33 | AQF33 | AQF33 | AQF33 | AQF33 | AQF33 | AQF33 | AQF34 - Surface | AQF34 | AQF34 | AQF34 - Surface | AQF34 - surface | AQF34-surface | AQF34-surface | AQF34- Surface | AQF34-Surface |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | STANTEC | ALS | STANTEC | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2502751 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521634 | FIELD2025 | WP2502751 | FIELD2025 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521492 |
| Laboratory Sample ID | | | | | WP2502751-028 | WP2503851-007 | WP2505523-007 | WP2507298-013 | WP2518837-007 | WP2520511-011 | WP2521634-005 | FIELD | WP2502751-027 | FIELD | WP2503851-005 | WP2505523-005 | WP2507298-011 | WP2518837-008 | WP2520511-006 | WP2521492-022 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | | | |
| **Metals, Total** | | | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | $0.005/0.1_{VAR}^{C}$ | $0.005/0.1_{VAR1}^{E}$ | $Equation*_{s1}^{F}$ | 0.0096 | 0.0120 | 0.0206 | 0.0156 | 0.0179 | 0.0088 | 0.0094 | - | 0.0043 | - | 0.0042 | 0.0075 | 0.0142 | 0.0096 | 0.0065 | 0.0067 |
| **FEQG Aluminum Guideline (Chronic)** | | | | | 1.7 | 1.2 | 1.3 | 2.20 | 2.10 | 1.7 | 1.5 | - | 1.5 | - | 1.2 | 1.1 | 1.9 | 2.20 | 1.8 | 1.6 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | 0.00025 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | 0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | n/v | $0.005^{E}$ | n/v | 0.00064 | 0.00066 | 0.00066 | 0.00071 | 0.00065 | 0.00066 | 0.00069 | - | 0.00117 | - | 0.00118 | 0.00112 | 0.00085 | 0.00100 | 0.00103 | 0.00108 |
| Barium | mg/L | n/v | n/v | n/v | 0.0193 | 0.0199 | 0.0199 | 0.0139 | 0.0143 | 0.0156 | 0.0155 | - | 0.0202 | - | 0.0203 | 0.0190 | 0.0153 | 0.0148 | 0.0158 | 0.0169 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | - | <0.000020 | - | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | - | <0.000050 | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | $29/1.5_{s3}^{C}$ | $29^{D}$ $1.5^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | - | <0.010 | - | <0.010 | 0.012 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | n/v | $0.001_{STB}^{D}$ $0.00009_{LTG}^{E}$ | n/v | <0.0000050 | <0.0000050 | 0.0000051 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | - | <0.0000050 | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| **CCME Cadmium Guideline (Chronic)** | | | | | 0.00019 | 0.00019 | 0.00018 | 0.00015 | 0.00017 | 0.00018 | 0.00018 | 0.00004 | 0.00023 | 0.00004 | 0.00022 | 0.00019 | 0.00018 | 0.00020 | 0.00023 | 0.00023 |
| **CCME Cadmium Guideline (Acute)** | | | | | 0.00270 | 0.00261 | 0.00253 | 0.00203 | 0.00221 | 0.00250 | 0.00240 | 0.00011 | 0.00328 | 0.00011 | 0.00315 | 0.00255 | 0.00250 | 0.00283 | 0.00325 | 0.00330 |
| Calcium | mg/L | n/v | n/v | n/v | 34.6 | 34.2 | 30.5 | 27.9 | 29.1 | 28.1 | 30.6 | - | 41.6 | - | 40.5 | 33.8 | 32.4 | 36.7 | 34.7 | 42.0 |
| Cesium | mg/L | n/v | n/v | n/v | 0.000014 | 0.000012 | 0.000014 | 0.000013 | 0.000011 | 0.000011 | 0.000010 | - | 0.000067 | - | 0.000059 | 0.000054 | 0.000041 | 0.000058 | 0.000063 | 0.000062 |
| Chromium | mg/L | n/v | n/v | n/v | <0.00050 RRV | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | <0.00050 | - | <0.00050 | <0.00050 | <0.00050 | 0.00057 | <0.00050 RRV | <0.00050 |
| Chromium (Hexavalent) | mg/L | n/v | $0.001^{E}$ | $0.005^{F}$ | **$0.00121^{E}$** | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | 0.00094 | - | <0.00050 | **$0.00196$ RRV$^{E}$** | <0.00050 | **$0.00151^{E}$** | <0.00050 | <0.00050 |
| Cobalt | mg/L | n/v | n/v | $Equation*_{s4}^{F}$ | 0.00015 | 0.00015 | 0.00019 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| **FEQG Cobalt Guideline (Chronic)** | | | | | 0.0011 | 0.0011 | 0.0011 | 0.0010 | 0.0010 | 0.0011 | 0.0011 | - | 0.0012 | - | 0.0012 | 0.0011 | 0.0011 | 0.0012 | 0.0012 | 0.0012 |
| Copper | mg/L | n/v | $Equation*_{EQ6}^{E}$ | n/v | 0.00060 | 0.00050 | 0.00062 | <0.00050 | <0.00050 | <0.00050 | 0.00054 | - | 0.00086 | - | <0.00050 | 0.00076 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| **CWQG Copper Guideline (Chronic)** | | | | | 0.003 | 0.003 | 0.003 | 0.002 | 0.002 | 0.003 | 0.003 | 0.002 | 0.003 | 0.002 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| Iron | mg/L | $0.3^{C}$ | $0.3^{E}$ | $Equation*_{s5}^{F}$ | 0.109 | 0.131 | 0.213 | 0.248 | 0.087 | 0.070 | 0.065 | - | 0.092 | - | 0.088 | 0.139 | 0.123 | 0.035 | 0.031 | 0.035 |
| **FEQG Iron Guideline (Chronic)** | | | | | 0.79 | 0.80 | 0.80 | 0.75 | 0.76 | 0.78 | 0.79 | - | 0.79 | - | 0.80 | 0.76 | 0.75 | 0.75 | 0.76 | 0.79 |
| Lead | mg/L | n/v | $Equation*_{EQ5}^{E}$ | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | - | <0.000050 | - | <0.000050 | 0.000066 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| **CWQG Lead Guideline (Chronic)** | | | | | 0.004 | 0.004 | 0.004 | 0.003 | 0.003 | 0.004 | 0.004 | 0.001 | 0.006 | 0.001 | 0.005 | 0.004 | 0.004 | 0.005 | 0.006 | 0.006 |
| Lithium | mg/L | n/v | n/v | n/v | 0.0016 | 0.0017 | 0.0018 | 0.0016 | 0.0024 | 0.0020 | 0.0033 | - | 0.0018 | - | 0.0023 | 0.0018 | 0.0016 | 0.0029 | 0.0023 | 0.0035 |
| Magnesium | mg/L | n/v | n/v | n/v | 10.6 | 10.6 | 9.19 | 7.82 | 7.93 | 9.50 | 9.18 | - | 12.0 | - | 12.1 | 10.4 | 8.83 | 10.2 | 12.0 | 12.3 |
| Manganese | mg/L | n/v | n/v | n/v | 0.253 | 0.362 | 0.408 | 0.103 | 0.00895 | 0.00509 | 0.00629 | - | 0.324 | - | 0.342 | 0.359 | 0.0459 | 0.00774 | 0.00537 | 0.0118 |
| Mercury | mg/L | $0.000026^{C}$ | $0.000026^{E}$ | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | - | <0.0000050 | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | $0.004^{E}$ | n/v | 0.000038 | 0.000064 | 0.000082 | 0.000098 | - | - | - | - | 0.000158 | - | 0.000170 | 0.000286 | 0.000152 | - | - | - |
| Molybdenum | mg/L | $0.073^{C}$ | $0.073^{E}$ | n/v | 0.000519 | 0.000442 | 0.000411 | 0.000311 | 0.000362 | 0.000335 | 0.000387 | - | 0.000445 | - | 0.000429 | 0.000399 | 0.000348 | 0.000436 | 0.000410 | 0.000463 |
| Nickel | mg/L | n/v | $Equation*_{EQ7}^{E}$ | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | <0.00050 | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| **CWQG Nickel Guideline (Chronic)** | | | | | 0.115 | 0.113 | 0.110 | 0.093 | 0.099 | 0.109 | 0.106 | 0.025 | 0.133 | 0.025 | 0.129 | 0.110 | 0.109 | 0.119 | 0.133 | 0.134 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | - | <0.050 | - | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 2.66 | 2.52 | 2.46 | 2.13 | 2.06 | 2.34 | 2.28 | - | 2.82 | - | 2.59 | 2.55 | 2.59 | 2.55 | 2.84 | 2.96 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00249 | 0.00237 | 0.00244 | 0.00190 | 0.00206 | 0.00210 | 0.00213 | - | 0.00248 | - | 0.00239 | 0.00216 | 0.00216 | 0.00241 | 0.00269 | 0.00265 |
| Selenium | mg/L | $0.001^{C}$ | $0.001^{E}$ | n/v | 0.000104 | 0.000089 | <0.000050 | <0.000050 | 0.000112 | 0.000050 | 0.000052 | - | 0.000121 | - | 0.000075 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Silicon | mg/L | n/v | n/v | n/v | 1.18 | 1.45 | 1.57 | 1.59 | 1.30 | 1.40 | 1.55 | - | 3.36 | - | 3.30 | 3.16 | 2.38 | 1.88 | 2.10 | 2.56 |
| Silver | mg/L | $0.0001^{C}$ | $0.00025^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - | <0.000010 | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 6.05 | 6.19 | 5.83 | 4.25 | 4.63 | 5.41 | 5.51 | - | 6.45 | - | 5.89 | 5.58 | 4.46 | 5.38 | 6.55 | 6.60 |
| Strontium | mg/L | n/v | n/v | n/v | 0.0745 | 0.0797 | 0.0749 | 0.0578 | 0.0620 | 0.0635 | 0.0676 | - | 0.0919 | - | 0.0965 | 0.0848 | 0.0725 | 0.0812 | 0.0853 | 0.0968 |
| Sulfur | mg/L | n/v | n/v | n/v | 12.1 | 11.6 | 9.99 | 7.61 | 8.90 | 10.7 | 10.6 | - | 14.9 | - | 14.5 | 12.6 | 10.1 | 13.7 | 16.0 | 16.9 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | - | <0.00020 | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | $0.0008^{C}$ | $0.0008^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - | <0.000010 | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | <0.00030 | 0.00042 | 0.00080 | 0.00074 | 0.00084 | 0.00036 | 0.00031 | - | <0.00030 | - | 0.00032 | 0.00032 | 0.00050 | 0.00042 | <0.00030 | <0.00030 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | $0.033/0.015_{s4}^{C}$ | $0.033^{D}$ $0.015^{E}$ | n/v | 0.000428 | 0.000412 | 0.000396 | 0.000309 | 0.000239 | 0.000278 | 0.000270 | - | 0.000575 | - | 0.000583 | 0.000520 | 0.000457 | 0.000493 | 0.000593 | 0.000653 |
| Vanadium | mg/L | n/v | n/v | $0.12^{F}$ | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | <0.00050 | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | n/v | n/v | n/v | <0.0030 | <0.0030 | 0.0031 | <0.0030 | 0.0045 | <0.0030 | <0.0030 | - | <0.0030 | - | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | - | <0.00020 | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQF34A | | | AQF34 - Deep | | | | | | | | AQF35 - Surface |
| Sample Date | | | | | 22-Jan-25 | 27-Feb-25 | 23-Nov-25 | 22-Jan-25 | 27-Feb-25 | 18-Mar-25 | 23-Apr-25 | 22-May-25 | 22-Oct-25 | 22-Nov-25 | 15-Dec-25 | 22-Jan-25 |
| Sample ID | | | | | AQF34A | AQF34A | AQF34A | AQF34 - Deep | AQF34 - Deep | AQF34 - Deep | AQF34 - deep | AQF34-deep | AQF34-deep | AQF34 - Deep | AQF34-Deep | AQF35 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | STANTEC | STANTEC | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2501015 | WP2502751 | WP2520511 | FIELD2025 | FIELD2025 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521492 | WP2501015 |
| Laboratory Sample ID | | | | | WP2501015-021 | WP2502751-026 | WP2520511-010 | FIELD | FIELD | WP2503851-006 | WP2505523-006 | WP2507298-012 | WP2518837-009 | WP2520511-007 | WP2521492-023 | WP2501015-018 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | |
| **Field Parameters** | | | | | | | | | | | | | | | | |
| Dissolved Oxygen, Field | mg/L | >6.0$^{BC}$ | >6.5$_{VAR}^{E}$ | n/v | 15.72 | 13.66 | 12.76 | **1.4$^{BCE}$** | **1.14$^{BCE}$** | **0.44$^{BCE}$** | **1.05$^{BCE}$** | **1.02$^{BCE}$** | 11.51 | 8.97 | **5.35$^{BCE}$** | 16.56 |
| Electrical Conductivity, Field | mS/cm | n/v | n/v | n/v | 14.5 | 1.1 | 181.2 | 163.2 | 200.3 | 174.7 | 231.5 | 196.8 | 168.4 | 218.1 | 205 | 0.2 |
| Oxidation Reduction Potential, field | mV | n/v | n/v | n/v | 180.5 | -129.1 | 162.3 | 18.5 | -140.2 | -198 | -184.2 | -169.2 | 97.7 | 126.8 | 123.8 | 324.3 |
| pH, Field | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v | 7.88 | 7.15 | 7.66 | 7.21 | 7.31 | 7.23 | 7.12 | 7.2 | 8.22 | 7.38 | 7.37 | **6.11$^{CE}$** |
| Specific Conductance, Field | µS/cm | n/v | n/v | n/v | - | 2.1 | 327.4 | - | 334.6 | 287.1 | 382.3 | 324.2 | 272.3 | 373.7 | 347.6 | - |
| Temperature, Field | deg C | n/v | n/v | n/v | -0.1 | -0.1 | 1.626 | 4.2 | 4.2 | 4.6 | 4.3 | 4.4 | 5.014 | 3.204 | 3.519 | -0.1 |
| Total Dissolved Solids, Field | mg/L | n/v | n/v | n/v | 20.00 | 2.00 | 213 | 177 | 228 | 187.2 | 248.3 | 210.60 | 177 | 243 | 226 | 0.00 |
| Turbidity, Field | NTU | n/v | n/v | n/v | 1.69 | 1.15 | 0 | - | - | 4.03 | 1.52 | 6.36 | - | 0 | 0 | 14.4 |
| **General Chemistry** | | | | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | n/v | n/v | n/v | 3.2 | 4.8 | <2.0 | - | - | 11.7 | 7.6 | 9.2 | 2.3 | <2.0 | <2.0 | 5.0 |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | n/v | n/v | n/v | 134 | 140 | 124 | - | - | 158 | 150 | 166 | 106 | 132 | 136 | 74.5 |
| Alkalinity, Carbonate (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | - | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | - | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Phenolphthalein | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | - | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Total (as CaCO3) | mg/L | n/v | n/v | n/v | 134 | 140 | 124 | - | - | 158 | 150 | 166 | 106 | 132 | 136 | 74.5 |
| Ammonia (as N) | mg/L | Equation*$_{TBC}^{BC}$ | 0.0173/190$_{TBC2}^{E}$ | n/v | 0.0312 | 0.0328 | 0.0316 | - | - | 0.654 | 0.139 | 0.351 | 0.0211 | 0.0665 | 0.0752 | 0.0540 |
| MSOG Ammonia Guideline (Chronic) | | | | | 2.87 | 5.53 | 3.74 | - | - | 5.30 | 5.61 | 5.39 | 1.74 | 4.80 | 4.84 | 6.67 |
| CCME Ammonia Guideline (Chronic) | | | | | 1.92 | 6.02 | 1.27 | - | - | 3.98 | 3.98 | 3.98 | 0.41 | 3.98 | 3.98 | 60.04 |
| Bromide | mg/L | n/v | n/v | n/v | <0.10 | <0.10 | <0.10 | - | - | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| Chloride | mg/L | n/v | 640$^{D}$ 120$^{E}$ | n/v | 1.20 | 1.11 | 1.93 | - | - | 1.30 | 1.14 | 1.27 | 0.72 | 1.04 | 1.09 | 0.74 |
| Cyanate | mg/L | n/v | n/v | n/v | <0.20 | <0.20 | <0.20 | - | - | 0.21 | <0.20 | 0.34 | <0.20 | <0.20 | <0.20 | 0.21 |
| Cyanide | mg/L | 0.022/0.0052$_{s1}^{C}$ | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | - | - | <0.0010 | <0.0010 | 0.0014 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Free) | mg/L | 0.022/0.0052$_{s1}^{B}$ | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | - | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Weak Acid Dissociable) | mg/L | n/v | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | 0.0010 | - | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Dissolved Organic Carbon (DOC) | mg/L | n/v | n/v | n/v | 12.9 | 13.7 | 16.6 | - | - | 11.6 | 11.9 | 12.5 | 11.1 | 9.34 | 10.7 | 13.3 |
| Electrical Conductivity, Lab | µS/cm | n/v | n/v | n/v | 247 | 335 | 308 | - | - | 373 | 347 | 370 | 277 | 354 | 348 | 141 |
| Fluoride | mg/L | n/v | 0.12$^{E}$ | n/v | 0.088 | 0.087 | 0.099 | - | - | 0.088 | 0.092 | 0.091 | 0.068 | 0.084 | 0.087 | 0.096 |
| Hardness (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | 139 | - | - | - | - | - | 135 | 160 | 167 | - |
| Hardness (as CaCO3), dissolved | mg/L | n/v | n/v | n/v | 151 | 159 | 157 | - | - | 175 | 164 | 177 | 130 | 173 | 155 | 74.6 |
| Nitrate (as N) | mg/L | 13$^{C}$ | 124$^{D}$ 3.0$^{E}$ | n/v | 0.364 | 0.038 | 0.173 | - | - | <0.020 | <0.020 | <0.020 | <0.020 | 0.054 | 0.037 | 0.104 |
| Nitrate + Nitrite (as N) | mg/L | 10$^{B}$ 10$^{C}$ | n/v | n/v | 0.364 | 0.0380 | 0.173 | - | - | <0.0224 | <0.0224 | <0.0224 | <0.022 | 0.0540 | 0.0370 | 0.104 |
| Nitrite (as N) | mg/L | 0.06$^{C}$ | 0.06$^{E}$ | n/v | <0.010 | <0.010 | <0.010 | - | - | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| pH, lab | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v | 8.04 | 7.54 | 7.96 | - | - | 7.72 | 7.65 | 8.05 | 8.16 | 7.89 | 7.72 | 7.63 |
| Phosphorus, Total | mg/L | 0.025$^{A}$ | n/v | n/v | 0.0202 | 0.0124 | 0.0174 | - | - | **0.402$^{A}$** | **0.0805$^{A}$** | **0.270$^{A}$** | 0.0111 | 0.0216 | 0.0114 | **0.0838$^{A}$** |
| Phosphorus, Total (Dissolved) | mg/L | n/v | n/v | n/v | 0.0108 | - | 0.0088 | - | - | 0.385 | 0.0745 | 0.252 | 0.0059 | 0.0065 | 0.0098 | 0.0106 |
| Sulfate | mg/L | n/v | n/v | n/v | 34.2 | 35.3 | 40.5 | - | - | 43.7 | 43.1 | 36.5 | 39.7 | 60.7 | 47.5 | 8.66 |
| Thiocyanate | mg/L | n/v | n/v | n/v | 0.52 | <0.50 | 0.58 | - | - | <0.50 | <0.50 | 0.53 | 0.55 | <0.50 | <0.50 | <0.50 SFP |
| Total Dissolved Solids | mg/L | n/v | n/v | n/v | 184 | 210 | 199 | - | - | 240 | 231 | 217 | 168 | 214 | 230 | 106 |
| Total Kjeldahl Nitrogen | mg/L | n/v | n/v | n/v | 0.516 | 0.535 | 0.738 | - | - | 1.18 | 0.551 | 0.813 | 0.399 | 0.377 | 0.438 | 1.07 |
| Total Organic Carbon | mg/L | n/v | n/v | n/v | 12.9 | 14.1 | 16.9 | - | - | 12.1 | 10.8 | 12.2 | 10.4 | 9.49 | 10.6 | 16.6 |
| Total Suspended Solids | mg/L | $_{SN}^{BC}$ | $_{SN}^{E}$ | n/v | <1.0 | <1.0 | <1.0 | - | - | 10.8 | 1.4 | 4.8 | <1.0 | <1.0 | <1.0 | 46.8 |
| Turbidity, Lab | NTU | n/v | n/v | n/v | 0.55 | 0.75 | 0.47 | - | - | 6.54 | 1.03 | 2.07 | 0.72 | 0.38 | 0.32 | 13.0 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQF34A | | | AQF34 - Deep | | | | | | | | AQF35 - Surface |
| Sample Date | | | | | 22-Jan-25 | 27-Feb-25 | 23-Nov-25 | 22-Jan-25 | 27-Feb-25 | 18-Mar-25 | 23-Apr-25 | 22-May-25 | 22-Oct-25 | 22-Nov-25 | 15-Dec-25 | 22-Jan-25 |
| Sample ID | | | | | AQF34A | AQF34A | AQF34A | AQF34 - Deep | AQF34 - Deep | AQF34 - Deep | AQF34 - deep | AQF34-deep | AQF34-deep | AQF34 - Deep | AQF34-Deep | AQF35 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | STANTEC | STANTEC | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2501015 | WP2502751 | WP2520511 | FIELD2025 | FIELD2025 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521492 | WP2501015 |
| Laboratory Sample ID | | | | | WP2501015-021 | WP2502751-026 | WP2520511-010 | FIELD | FIELD | WP2503851-006 | WP2505523-006 | WP2507298-012 | WP2518837-009 | WP2520511-007 | WP2521492-023 | WP2501015-018 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | |
| **Metals, Dissolved** | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | n/v | n/v | n/v | 0.0046 | 0.0037 | 0.0046 | - | - | 0.0033 | 0.0027 | 0.0046 | 0.0024 | 0.0023 | 0.0036 | 0.0051 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | - | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | $0.34/0.15_{s2}^{BC}$ | n/v | n/v | 0.00127 | 0.00100 | 0.00092 | - | - | 0.00429 | 0.00204 | 0.00207 | 0.00103 | 0.00128 | 0.00112 | 0.00038 |
| Barium | mg/L | n/v | n/v | n/v | 0.0170 | 0.0270 | 0.0179 | - | - | 0.0342 | 0.0272 | 0.0324 | 0.0149 | 0.0162 | 0.0196 | 0.0129 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | - | - | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | - | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | n/v | n/v | n/v | <0.010 | <0.010 | <0.010 | - | - | <0.010 | <0.010 | <0.010 | <0.010 | 0.018 | <0.010 | <0.010 |
| Cadmium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | 0.0000051 | <0.0000050 | <0.0000050 | - | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| **MSOG Cadmium Guideline (Chronic)** | | | | | 0.00033 | 0.00034 | 0.00034 | - | - | 0.00036 | 0.00035 | 0.00037 | 0.00030 | 0.00036 | 0.00035 | 0.00020 |
| **MSOG Cadmium Guideline (Acute)** | | | | | 0.00301 | 0.00316 | 0.00312 | - | - | 0.00347 | 0.00326 | 0.00351 | 0.00270 | 0.00343 | 0.00331 | 0.00151 |
| Calcium | mg/L | n/v | n/v | n/v | 42.1 | 44.2 | 42.2 | - | - | 49.5 | 45.2 | 48.1 | 35.7 | 46.4 | 42.3 | 19.7 |
| Cesium | mg/L | n/v | n/v | n/v | 0.000080 | 0.000059 | 0.000024 | - | - | 0.000066 | 0.000064 | 0.000053 | 0.000056 | 0.000092 | 0.000065 | <0.000010 |
| Chromium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.00050 | 0.00097 | <0.00050 | - | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| **MSOG Chromium Guideline (Chronic)** | | | | | 0.01084 | 0.01112 | 0.01105 | - | - | 0.01166 | 0.01129 | 0.01173 | 0.01025 | 0.01160 | 0.01140 | 0.00763 |
| Cobalt | mg/L | n/v | n/v | n/v | <0.00010 | 0.00010 | <0.00010 | - | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00021 RRV | <0.00010 |
| Copper | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s2}^{F}$ | 0.00078 | 0.00073 | 0.00044 | - | - | <0.00020 | <0.00020 | <0.00020 | 0.00094 RRV | 0.00063 | 0.00034 | 0.00036 |
| **MSOG Copper Guideline (Chronic)** | | | | | 0.01274 | 0.01331 | 0.01317 | - | - | 0.01445 | 0.01367 | 0.01459 | 0.01157 | 0.01431 | 0.01388 | 0.00697 |
| **MSOG Copper Guideline (Acute)** | | | | | 0.0198 | 0.0208 | 0.0206 | - | - | 0.0228 | 0.0214 | 0.0230 | 0.0178 | 0.0225 | 0.0218 | 0.0102 |
| **FEQG Copper Guideline (Chronic)** | | | | | 0.0203 | 0.0101 | 0.0227 | - | - | 0.0099 | 0.0084 | 0.0103 | 0.0191 | 0.0096 | 0.0105 | 0.0012 |
| Iron | mg/L | n/v | n/v | n/v | 0.074 | 0.273 | 0.044 | - | - | 1.77 | 0.501 | 0.668 | 0.014 | 0.031 | 0.036 | 0.154 |
| Lead | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s3}^{F}$ | <0.000050 | <0.000050 | <0.000050 | - | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| **MSOG Lead Guideline (Chronic)** | | | | | 0.00393 | 0.00415 | 0.00410 | - | - | 0.00460 | 0.00429 | 0.00466 | 0.00348 | 0.00455 | 0.00438 | 0.00183 |
| **MSOG Lead Guideline (Acute)** | | | | | 0.10085 | 0.10659 | 0.10515 | - | - | 0.11810 | 0.11018 | 0.11954 | 0.08940 | 0.11666 | 0.11234 | 0.04687 |
| **FEQG Lead Guideline (Chronic)** | | | | | 0.0168 | 0.0176 | 0.0193 | - | - | 0.0165 | 0.0164 | 0.0171 | 0.0152 | 0.0147 | 0.0156 | 0.0147 |
| Lithium | mg/L | n/v | n/v | n/v | 0.0028 | 0.0025 | 0.0039 | - | - | 0.0026 | 0.0027 | 0.0026 | 0.0029 | 0.0037 | 0.0031 | 0.0017 |
| Magnesium | mg/L | n/v | n/v | n/v | 11.1 | 11.9 | 12.6 | - | - | 12.6 | 12.5 | 13.9 | 9.83 | 13.8 | 11.9 | 6.17 |
| Manganese | mg/L | n/v | Equation*$_{EQ3,EQ4}^{DE}$ | n/v | 0.195 | **0.491$^{E}$** | 0.00308 | - | - | **0.632$^{E}$** | 0.568 | 0.719 | 0.00608 | 0.0196 | 0.314 | 0.244 |
| **CCME Manganese Guideline (Chronic)** | | | | | 0.520 | 0.400 | 0.700 | - | - | 0.620 | 0.700 | 0.730 | 0.660 | 0.260 | 0.600 | 0.430 |
| **CCME Manganese Guideline (Acute)** | | | | | 9.558 | 10.002 | 9.891 | - | - | 10.880 | 10.277 | 10.989 | 8.663 | 10.771 | 10.442 | 5.146 |
| Mercury | mg/L | n/v | n/v | n/v | <0.0000050 | <0.0000050 | <0.0000050 | - | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | n/v | n/v | 0.000391 | 0.000721 | 0.000062 | - | - | 0.000718 | 0.000988 | 0.00144 | - | - | - | 0.000325 |
| Molybdenum | mg/L | n/v | n/v | n/v | 0.000350 | 0.000366 | 0.000453 | - | - | 0.000253 | 0.000215 | 0.000062 | 0.000420 | 0.000420 | 0.000421 | 0.000848 |
| Nickel | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.00050 | 0.00091 | <0.00050 | - | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00061 | <0.00050 |
| **MSOG Nickel Guideline (Chronic)** | | | | | 0.074 | 0.077 | 0.076 | - | - | 0.083 | 0.079 | 0.084 | 0.067 | 0.083 | 0.080 | 0.041 |
| **MSOG Nickel Guideline (Acute)** | | | | | 0.664 | 0.693 | 0.686 | - | - | 0.752 | 0.712 | 0.759 | 0.604 | 0.744 | 0.723 | 0.365 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | - | - | 0.386 | 0.062 | 0.257 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 2.95 | 3.05 | 2.94 | - | - | 3.41 | 3.26 | 3.66 | 2.48 | 3.41 | 3.24 | 1.59 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00248 | 0.00272 | 0.00272 | - | - | 0.00329 | 0.00278 | 0.00287 | 0.00238 | 0.00290 | 0.00256 | 0.00155 |
| Selenium | mg/L | n/v | n/v | n/v | 0.000063 | 0.000075 | 0.000078 | - | - | 0.000109 | <0.000050 | 0.000062 | <0.000050 | 0.000076 | 0.000084 | <0.000050 |
| Silicon | mg/L | n/v | n/v | n/v | 2.69 | 3.16 | 1.39 | - | - | 6.06 | 4.62 | 6.26 | 1.81 | 3.25 | 3.22 | 1.79 |
| Silver | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | - | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 6.04 | 6.33 | 7.13 | - | - | 6.18 | 6.87 | 7.31 | 5.40 | 7.17 | 6.41 | 3.39 |
| Strontium | mg/L | n/v | n/v | $2.5^{F}$ | 0.0952 | 0.101 | 0.0872 | - | - | 0.117 | 0.106 | 0.114 | 0.0789 | 0.103 | 0.0950 | 0.0500 |
| Sulfur | mg/L | n/v | n/v | n/v | 12.2 | 13.6 | 13.4 | - | - | 14.3 | 17.1 | 10.7 | 14.1 | 20.5 | 16.1 | 3.40 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | - | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | - | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | - | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | - | - | 0.00017 | 0.00030 | 0.00017 | 0.00015 | 0.00014 | 0.00018 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | - | - | 0.00032 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | - | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | n/v | n/v | n/v | 0.000395 | 0.000375 | 0.000369 | - | - | 0.000791 | 0.000639 | 0.000433 | 0.000516 | 0.000836 | 0.000674 | 0.000054 |
| Vanadium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | - | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | Equation*$_{s5}^{BC}$ | Equation*$_{EQ1,EQ2}^{DE}$ | n/v | 0.0012 | 0.0022 | <0.0010 | - | - | <0.0010 | <0.0010 | <0.0010 | 0.0018 | <0.0010 | 0.0011 | 0.0012 |
| **MSOG Zinc Guideline (Chronic)** | | | | | 0.168 | 0.175 | 0.173 | - | - | 0.190 | 0.180 | 0.192 | 0.152 | 0.188 | 0.182 | 0.092 |
| **MSOG Zinc Guideline (Acute)** | | | | | 0.166 | 0.174 | 0.172 | - | - | 0.188 | 0.178 | 0.190 | 0.151 | 0.186 | 0.181 | 0.091 |
| **CCME Zinc Guideline (Chronic)** | | | | | 0.047 | 0.075 | 0.057 | - | - | 0.067 | 0.067 | 0.053 | 0.036 | 0.053 | 0.062 | 0.034 |
| **CCME Zinc Guideline (Acute)** | | | | | 0.204 | 0.216 | 0.224 | - | - | 0.225 | 0.215 | 0.231 | 0.179 | 0.212 | 0.212 | 0.114 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | - | - | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQF34A | | | AQF34 - Deep | | | | | | | | AQF35 - Surface |
| Sample Date | | | | | 22-Jan-25 | 27-Feb-25 | 23-Nov-25 | 22-Jan-25 | 27-Feb-25 | 18-Mar-25 | 23-Apr-25 | 22-May-25 | 22-Oct-25 | 22-Nov-25 | 15-Dec-25 | 22-Jan-25 |
| Sample ID | | | | | AQF34A | AQF34A | AQF34A | AQF34 - Deep | AQF34 - Deep | AQF34 - Deep | AQF34 - deep | AQF34-deep | AQF34-deep | AQF34 - Deep | AQF34-Deep | AQF35 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | STANTEC | STANTEC | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2501015 | WP2502751 | WP2520511 | FIELD2025 | FIELD2025 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521492 | WP2501015 |
| Laboratory Sample ID | | | | | WP2501015-021 | WP2502751-026 | WP2520511-010 | FIELD | FIELD | WP2503851-006 | WP2505523-006 | WP2507298-012 | WP2518837-009 | WP2520511-007 | WP2521492-023 | WP2501015-018 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | |
| **Metals, Total** | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | $0.005/0.1_{VAR}{}^{C}$ | $0.005/0.1_{VAR1}{}^{E}$ | Equation*$_{s1}{}^{F}$ | 0.0076 | 0.0073 | 0.0081 | - | - | 0.0319 | 0.0054 | 0.0323 | 0.0091 | 0.0066 | 0.0060 | **0.362**$^{CE}$ |
| **FEQG Aluminum Guideline (Chronic)** | | | | | 1.9 | 1.2 | 1.6 | - | - | 1.3 | 1.2 | 1.3 | 2.10 | 1.2 | 1.3 | 0.47 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | 0.00012 | <0.00010 | - | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | n/v | $0.005^{E}$ | n/v | 0.00136 | 0.00135 | 0.00086 | - | - | 0.00426 | 0.00221 | 0.00270 | 0.00101 | 0.00118 | 0.00123 | 0.00049 |
| Barium | mg/L | n/v | n/v | n/v | 0.0187 | 0.0254 | 0.0193 | - | - | 0.0303 | 0.0266 | 0.0340 | 0.0144 | 0.0163 | 0.0211 | 0.0224 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | - | - | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | 0.000028 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | - | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | $29/1.5_{s3}{}^{C}$ | $29^{D}$ $1.5^{E}$ | n/v | <0.010 | <0.010 | <0.010 | - | - | 0.012 | 0.012 | <0.010 | <0.010 | 0.011 | <0.010 | <0.010 |
| Cadmium | mg/L | n/v | $0.001_{STB}{}^{D}$ $0.00009_{LTG}{}^{E}$ | n/v | 0.0000053 | <0.0000050 | <0.0000050 | - | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000071 |
| **CCME Cadmium Guideline (Chronic)** | | | | | 0.00022 | 0.00023 | 0.00023 | 0.00004 | 0.00004 | 0.00025 | 0.00024 | 0.00025 | 0.00020 | 0.00025 | 0.00024 | 0.00012 |
| **CCME Cadmium Guideline (Acute)** | | | | | 0.00319 | 0.00336 | 0.00332 | 0.00011 | 0.00011 | 0.00371 | 0.00347 | 0.00375 | 0.00285 | 0.00366 | 0.00353 | 0.00156 |
| Calcium | mg/L | n/v | n/v | n/v | 41.3 | 44.0 | 35.8 | - | - | 48.7 | 45.1 | 50.1 | 37.2 | 41.2 | 46.0 | 21.2 |
| Cesium | mg/L | n/v | n/v | n/v | 0.000085 | 0.000065 | 0.000025 | - | - | 0.000060 | 0.000075 | 0.000063 | 0.000057 | 0.000091 | 0.000068 | 0.000050 |
| Chromium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | - | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00108 |
| Chromium (Hexavalent) | mg/L | n/v | $0.001^{E}$ | $0.005^{F}$ | <0.00050 | <0.00050 | <0.00050 | - | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Cobalt | mg/L | n/v | n/v | Equation*$_{s4}{}^{F}$ | <0.00010 | 0.00012 | <0.00010 | - | - | 0.00013 | <0.00010 | 0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00032 |
| **FEQG Cobalt Guideline (Chronic)** | | | | | 0.0012 | 0.0012 | 0.0012 | - | - | 0.0013 | 0.0013 | 0.0013 | 0.0012 | 0.0013 | 0.0013 | 0.0009 |
| Copper | mg/L | n/v | Equation*$_{EQ6}{}^{E}$ | n/v | 0.00089 | 0.00107 | 0.00052 | - | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00058 | 0.00086 |
| **CWQG Copper Guideline (Chronic)** | | | | | 0.003 | 0.004 | 0.003 | 0.002 | 0.002 | 0.004 | 0.004 | 0.004 | 0.003 | 0.004 | 0.004 | 0.002 |
| Iron | mg/L | $0.3^{C}$ | $0.3^{E}$ | Equation*$_{s5}{}^{F}$ | 0.103 | 0.261 | 0.062 | - | - | **2.53**$^{CEF}$ | **0.659**$^{CE}$ | **1.20**$^{CEF}$ | 0.033 | 0.051 | 0.059 | **0.942**$^{CEF}$ |
| **FEQG Iron Guideline (Chronic)** | | | | | 0.78 | 0.80 | 0.79 | - | - | 0.80 | 0.80 | 0.80 | 0.75 | 0.71 | 0.78 | 0.76 |
| Lead | mg/L | n/v | Equation*$_{EQ5}{}^{E}$ | n/v | <0.000050 | <0.000050 | <0.000050 | - | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000265 |
| **CWQG Lead Guideline (Chronic)** | | | | | 0.005 | 0.006 | 0.006 | 0.001 | 0.001 | 0.006 | 0.006 | 0.007 | 0.005 | 0.006 | 0.006 | 0.002 |
| Lithium | mg/L | n/v | n/v | n/v | 0.0027 | 0.0020 | 0.0025 | - | - | 0.0027 | 0.0022 | 0.0026 | 0.0032 | 0.0025 | 0.0032 | 0.0022 |
| Magnesium | mg/L | n/v | n/v | n/v | 11.4 | 12.4 | 12.1 | - | - | 13.4 | 12.4 | 13.6 | 10.3 | 13.9 | 12.7 | 6.40 |
| Manganese | mg/L | n/v | n/v | n/v | 0.178 | 0.420 | 0.00349 | - | - | 0.710 | 0.548 | 0.720 | 0.00785 | 0.0210 | 0.349 | 0.692 |
| Mercury | mg/L | $0.000026^{C}$ | $0.000026^{E}$ | n/v | <0.0000050 | <0.0000050 | <0.0000050 | - | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | $0.004^{E}$ | n/v | 0.000520 | 0.000822 | 0.000071 | - | - | 0.000914 | 0.000825 | 0.00131 | - | - | - | 0.000333 |
| Molybdenum | mg/L | $0.073^{C}$ | $0.073^{E}$ | n/v | 0.000316 | 0.000299 | 0.000417 | - | - | 0.000282 | 0.000332 | 0.000194 | 0.000405 | 0.000389 | 0.000409 | 0.000912 |
| Nickel | mg/L | n/v | Equation*$_{EQ7}{}^{E}$ | n/v | 0.00064 | <0.00050 | <0.00050 | - | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00091 |
| **CWQG Nickel Guideline (Chronic)** | | | | | 0.131 | 0.136 | 0.135 | 0.025 | 0.025 | 0.146 | 0.139 | 0.148 | 0.120 | 0.145 | 0.141 | 0.076 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | - | - | 0.346 | 0.079 | 0.287 | <0.050 | <0.050 | <0.050 | 0.072 |
| Potassium | mg/L | n/v | n/v | n/v | 2.96 | 3.14 | 2.89 | - | - | 3.28 | 3.31 | 3.61 | 2.57 | 3.35 | 3.16 | 1.68 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00246 | 0.00262 | 0.00281 | - | - | 0.00313 | 0.00275 | 0.00319 | 0.00242 | 0.00279 | 0.00269 | 0.00276 |
| Selenium | mg/L | $0.001^{C}$ | $0.001^{E}$ | n/v | <0.000050 | 0.000092 | 0.000087 | - | - | 0.000098 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000056 | <0.000050 |
| Silicon | mg/L | n/v | n/v | n/v | 3.15 | 3.50 | 1.36 | - | - | 6.35 | 4.57 | 6.05 | 1.82 | 3.15 | 3.34 | 2.96 |
| Silver | mg/L | $0.0001^{C}$ | $0.00025^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | - | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 7.26 | 7.42 | 7.57 | - | - | 6.99 | 6.56 | 6.66 | 5.48 | 7.24 | 6.68 | 3.55 |
| Strontium | mg/L | n/v | n/v | n/v | 0.0883 | 0.0954 | 0.0849 | - | - | 0.114 | 0.104 | 0.111 | 0.0800 | 0.100 | 0.102 | 0.0482 |
| Sulfur | mg/L | n/v | n/v | n/v | 11.9 | 13.0 | 14.1 | - | - | 14.5 | 14.0 | 11.2 | 13.6 | 20.4 | 16.7 | 3.25 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | 0.00025 | <0.00020 | - | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | $0.0008^{C}$ | $0.0008^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | - | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | - | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | - | - | 0.00052 | 0.00026 | 0.00025 | 0.00014 | 0.00013 | 0.00029 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | 0.00044 | <0.00030 | 0.00038 | - | - | 0.00164 | <0.00030 | 0.00163 | 0.00031 | <0.00030 | 0.00031 | 0.0167 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | - | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | $0.033/0.015_{s4}{}^{C}$ | $0.033^{D}$ $0.015^{E}$ | n/v | 0.000428 | 0.000460 | 0.000384 | - | - | 0.000702 | 0.000614 | 0.000508 | 0.000493 | 0.000899 | 0.000715 | 0.000110 |
| Vanadium | mg/L | n/v | n/v | $0.12^{F}$ | <0.00050 | <0.00050 | <0.00050 | - | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00097 |
| Zinc | mg/L | n/v | n/v | n/v | <0.0030 | <0.0030 | <0.0030 | - | - | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | - | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | 0.00024 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
**Lynn Lake Gold Project: Surface Water Management and Monitoring Program**
**Alamos Gold Inc.**

| Area |  |  |  |  | Gordon Site |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location |  |  |  |  | AQF37 - Surface |  |  |  |  |  |  | AQF37 - Deep |  |  |  |  |  | AQF38 - Surface |
| Sample Date |  |  |  |  | 27-Feb-25 | 20-Mar-25 | 24-Apr-25 | 23-May-25 | 26-Oct-25 | 23-Nov-25 | 13-Dec-25 | 20-Mar-25 | 24-Apr-25 | 23-May-25 | 26-Oct-25 | 23-Nov-25 | 13-Dec-25 | 27-Feb-25 |
| Sample ID |  |  |  |  | AQF37 | AQF37 - Surface | AQF37 - surface | AQF37-surface | AQF37-surface | AQF37-Surface | AQF37-Surface | AQF37 - Deep | AQF37 - deep | AQF37-deep | AQF37-deep | AQF37-Deep | AQF37-Deep | AQF38 |
| Sampling Company |  |  |  |  | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory |  |  |  |  | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order |  |  |  |  | WP2502751 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521492 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521492 | WP2502751 |
| Laboratory Sample ID |  |  |  |  | WP2502751-018 | WP2503851-025 | WP2505523-014 | WP2507298-015 | WP2518837-038 | WP2520511-016 | WP2521492-004 | WP2503851-026 | WP2505523-015 | WP2507298-016 | WP2518837-039 | WP2520511-017 | WP2521492-005 | WP2502751-022 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Field Parameters** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Dissolved Oxygen, Field | mg/L | $>6.0^{BC}$ | $>6.5_{VAR}^{E}$ | n/v | 11.18 | 7.92 | 7.63 | 11.5 | 11.99 | 14.58 | 14.66 | **5.98**$^{BCE}$ | **5.18**$^{BCE}$ | 10.02 | **4.67**$^{BCE}$ | 13.52 | 11.49 | 12.8 |
| Electrical Conductivity, Field | mS/cm | n/v | n/v | n/v | 70.9 | 75.3 | 63.5 | 63.4 | 66.4 | 64.4 | 63.5 | 85.5 | 75.2 | 59.3 | 70.9 | 64.9 | 62.6 | 18 |
| Oxidation Reduction Potential, field | mV | n/v | n/v | n/v | 115.6 | 114.9 | 152.5 | 55.5 | 34 | 219.7 | 169.9 | 122.1 | 148.9 | 60.0 | -73.7 | 226.4 | 170.2 | 196 |
| pH, Field | S.U. | $6.5\text{-}9.0^{C}$ | $6.5\text{-}9.0^{E}$ | n/v | 7.44 | 7.03 | 7.02 | 7.68 | 7.76 | 7.7 | 7.87 | 7.07 | 7 | 7.42 | 7.28 | 7.54 | 7.57 | 7.05 |
| Specific Conductance, Field | µS/cm | n/v | n/v | n/v | 132.2 | 142.8 | 119.8 | 88.8 | 103.1 | 119.7 | 120.7 | 146.7 | 128.7 | 90.1 | 110 | 116.9 | 110.4 | 34 |
| Temperature, Field | deg C | n/v | n/v | n/v | 0.6 | 0.2 | 0.4 | 10.1 | 6.338 | 0.8 | 0.201 | 3.2 | 3.3 | 7.1 | 6.413 | 1.719 | 2.324 | -0.1 |
| Total Dissolved Solids, Field | mg/L | n/v | n/v | n/v | 86.00 | 92.95 | 78 | 67.85 | 67 | 78 | 78 | 95.55 | 83.85 | 58.50 | 71 | 76 | 72 | 24.00 |
| Turbidity, Field | NTU | n/v | n/v | n/v | 0.49 | 0.48 | 1.92 | 0.95 | - | 0.17 | 0.2 | - | 0.4 | - | - | 0 | 0 | 8.4 |
| **General Chemistry** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Acidity as CaCO3 | mg/L | n/v | n/v | n/v | 2.4 | 4.4 | 2.1 | 2.7 | <2.0 | <2.0 | <2.0 | 4.1 | 2.8 | 3.6 | <2.0 | <2.0 | 2.8 | 2.9 |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | n/v | n/v | n/v | 50.2 | 51.0 | 53.8 | 46.5 | 48.4 | 54.3 | 57.3 | 51.9 | 54.8 | 46.6 | 48.4 | 51.7 | 53.1 | 39.3 |
| Alkalinity, Carbonate (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Phenolphthalein | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Total (as CaCO3) | mg/L | n/v | n/v | n/v | 50.2 | 51.0 | 53.8 | 46.5 | 48.4 | 54.3 | 57.3 | 51.9 | 54.8 | 46.6 | 48.4 | 51.7 | 53.1 | 39.3 |
| Ammonia (as N) | mg/L | $\text{Equation*}_{TBC}^{BC}$ | $0.0173/190_{TBC2}^{E}$ | n/v | 0.0165 | 0.0137 | 0.0282 | 0.0059 | 0.0055 | 0.0138 | 0.0310 | 0.0052 | <0.0050 | <0.0050 | 0.0100 | 0.0176 | 0.0384 | 0.0892 |
| **MSOG Ammonia Guideline (Chronic)** |  |  |  |  | 4.59 | 5.84 | 5.86 | 3.66 | 3.34 | 3.58 | 2.91 | 5.74 | 5.91 | 4.66 | 5.14 | 4.21 | 4.09 | 5.79 |
| **CCME Ammonia Guideline (Chronic)** |  |  |  |  | 6.02 | 19.00 | 19.00 | 0.86 | 0.86 | 1.92 | 1.92 | 12.58 | 12.58 | 2.68 | 2.68 | 3.98 | 3.98 | 19.00 |
| Bromide | mg/L | n/v | n/v | n/v | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| Chloride | mg/L | n/v | $640^{D}$ $120^{E}$ | n/v | 1.11 | 0.72 | 0.70 | 0.53 | 0.58 | 0.60 | 0.64 | 0.58 | 0.60 | 0.52 | 0.67 | 0.56 | 0.57 | <0.50 |
| Cyanate | mg/L | n/v | n/v | n/v | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| Cyanide | mg/L | $0.022/0.0052_{s1}^{C}$ | $0.005^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Free) | mg/L | $0.022/0.0052_{s1}^{B}$ | $0.005^{E}$ | n/v | <0.0010 | <0.0010 | 0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Weak Acid Dissociable) | mg/L | n/v | $0.005^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Dissolved Organic Carbon (DOC) | mg/L | n/v | n/v | n/v | 12.4 | 12.8 | 13.2 | 12 | 13.3 | 13.6 | 12.3 | 11.9 | 11.3 | 11.5 | 13 | 12.9 | 11.5 | 14.6 |
| Electrical Conductivity, Lab | µS/cm | n/v | n/v | n/v | 117 | 117 | 118 | 106 | 109 | 120 | 126 | 120 | 123 | 107 | 109 | 114 | 119 | 86.7 |
| Fluoride | mg/L | n/v | $0.12^{E}$ | n/v | 0.078 | 0.079 | 0.082 | 0.076 | 0.081 | 0.085 | 0.074 | 0.081 | 0.084 | 0.076 | 0.067 | 0.080 | 0.083 | **0.127**$^{E}$ |
| Hardness (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | - | 50.9 | 52.3 | 57.8 | - | - | - | 51.0 | 51.6 | 55.1 | - |
| Hardness (as CaCO3), dissolved | mg/L | n/v | n/v | n/v | 53.5 | 50.7 | 53.5 | 52.4 | 54.0 | 61.5 | 57.2 | 50.0 | 57.7 | 51.4 | 53.6 | 55.7 | 53.8 | 38.7 |
| Nitrate (as N) | mg/L | $13^{C}$ | $124^{D}$ $3.0^{E}$ | n/v | 0.142 | 0.126 | 0.133 | <0.020 | <0.020 | <0.020 | <0.020 | 0.118 | 0.120 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 |
| Nitrate + Nitrite (as N) | mg/L | $10^{B}$ $10^{C}$ | n/v | n/v | 0.142 | 0.126 | 0.133 | <0.0224 | <0.022 | <0.022 | <0.022 | 0.118 | 0.120 | <0.0224 | <0.022 | <0.022 | <0.022 | <0.0224 |
| Nitrite (as N) | mg/L | $0.06^{C}$ | $0.06^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| pH, lab | S.U. | $6.5\text{-}9.0^{C}$ | $6.5\text{-}9.0^{E}$ | n/v | 7.43 | 7.80 | 7.57 | 7.88 | 7.88 | 7.87 | 7.70 | 7.85 | 7.51 | 7.84 | 7.90 | 7.76 | 7.49 | 7.27 |
| Phosphorus, Total | mg/L | $0.025^{A}$ | n/v | n/v | 0.0122 | 0.0122 | 0.0152 | 0.0195 | 0.0227 | 0.0136 | 0.0148 | 0.0129 | 0.0146 | 0.0233 | **0.0255**$^{A}$ | 0.0192 | 0.0155 | 0.0100 |
| Phosphorus, Total (Dissolved) | mg/L | n/v | n/v | n/v | - | 0.0102 | 0.0076 | 0.0053 | 0.0051 | 0.0072 | 0.0073 | 0.0100 | 0.0069 | 0.0054 | 0.0056 | 0.0060 | 0.0072 | - |
| Sulfate | mg/L | n/v | n/v | n/v | 4.96 | 5.00 | 4.45 | 5.00 | 4.08 | 5.30 | 4.87 | 5.92 | 6.18 | 5.04 | 4.04 | 5.22 | 4.68 | 0.65 |
| Thiocyanate | mg/L | n/v | n/v | n/v | <0.50 | <0.50 | 0.52 | <0.50 | <0.50 | <0.50 | <0.50 | 0.95 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Total Dissolved Solids | mg/L | n/v | n/v | n/v | 76.6 | 82.2 | 72.3 | 66.6 | 65.7 | 78.7 | 82.1 | 81.2 | 60.3 | 64.6 | 67.3 | 74.3 | 77.4 | 63.9 |
| Total Kjeldahl Nitrogen | mg/L | n/v | n/v | n/v | 0.468 | 0.458 | 0.499 | 0.441 | 0.547 | 0.544 | 0.509 | 0.410 | 0.426 | 0.490 | 0.576 | 0.532 | 0.474 | 0.621 |
| Total Organic Carbon | mg/L | n/v | n/v | n/v | 12.5 | 11.9 | 12.4 | 11.0 | 13.2 | 12.4 | 12.6 | 10.6 | 10.9 | 11.1 | 12.3 | 12.6 | 12.1 | 15.2 |
| Total Suspended Solids | mg/L | $_{SN}^{BC}$ | $_{SN}^{E}$ | n/v | <1.0 | <1.0 | 1.7 | 1.4 | 3.3 | <1.0 | <1.0 | <1.0 | 1.0 | 2.0 | 3.0 | 3.2 | <1.0 | <1.0 |
| Turbidity, Lab | NTU | n/v | n/v | n/v | 0.34 | 0.76 | 0.60 | 0.94 | 2.28 | 1.04 | 0.72 | 0.26 | 0.42 | 1.36 | 3.55 | 1.35 | 1.06 | 0.57 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQF37 - Surface | | | | | | | AQF37 - Deep | | | | | | AQF38 - Surface |
| Sample Date | | | | | 27-Feb-25 | 20-Mar-25 | 24-Apr-25 | 23-May-25 | 26-Oct-25 | 23-Nov-25 | 13-Dec-25 | 20-Mar-25 | 24-Apr-25 | 23-May-25 | 26-Oct-25 | 23-Nov-25 | 13-Dec-25 | 27-Feb-25 |
| Sample ID | | | | | AQF37 | AQF37 - Surface | AQF37 - surface | AQF37-surface | AQF37-surface | AQF37-Surface | AQF37-Surface | AQF37 - Deep | AQF37 - deep | AQF37-deep | AQF37-deep | AQF37-Deep | AQF37-Deep | AQF38 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2502751 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521492 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521492 | WP2502751 |
| Laboratory Sample ID | | | | | WP2502751-018 | WP2503851-025 | WP2505523-014 | WP2507298-015 | WP2518837-038 | WP2520511-016 | WP2521492-004 | WP2503851-026 | WP2505523-015 | WP2507298-016 | WP2518837-039 | WP2520511-017 | WP2521492-005 | WP2502751-022 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | |
| **Metals, Dissolved** | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | n/v | n/v | n/v | 0.0036 | 0.0064 | 0.0080 | 0.0040 | 0.0025 | 0.0030 | 0.0040 | 0.0039 | 0.0029 | 0.0106 | 0.0041 | 0.0028 | 0.0041 | 0.0088 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | 0.34/0.15$_{s2}^{BC}$ | n/v | n/v | 0.00028 | 0.00025 | 0.00029 | 0.00024 | 0.00032 | 0.00039 | 0.00035 | 0.00026 | 0.00030 | 0.00023 | 0.00033 | 0.00029 | 0.00031 | 0.00023 |
| Barium | mg/L | n/v | n/v | n/v | 0.00955 | 0.00908 | 0.0112 | 0.00800 | 0.00826 | 0.00955 | 0.0101 | 0.00894 | 0.0108 | 0.00871 | 0.00833 | 0.00923 | 0.00974 | 0.0151 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | n/v | n/v | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | 0.0000051 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000065 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| **MSOG Cadmium Guideline (Chronic)** | | | | | 0.00016 | 0.00015 | 0.00016 | 0.00016 | 0.00016 | 0.00018 | 0.00017 | 0.00015 | 0.00017 | 0.00015 | 0.00016 | 0.00016 | 0.00016 | 0.00013 |
| **MSOG Cadmium Guideline (Acute)** | | | | | 0.00110 | 0.00104 | 0.00110 | 0.00107 | 0.00111 | 0.00125 | 0.00118 | 0.00103 | 0.00118 | 0.00105 | 0.00110 | 0.00114 | 0.00110 | 0.00080 |
| Calcium | mg/L | n/v | n/v | n/v | 14.3 | 13.5 | 14.6 | 13.7 | 14.6 | 16.6 | 15.0 | 13.0 | 15.4 | 13.3 | 14.8 | 14.6 | 13.9 | 10.7 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | 0.00095 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| **MSOG Chromium Guideline (Chronic)** | | | | | 0.00646 | 0.00629 | 0.00646 | 0.00640 | 0.00649 | 0.00693 | 0.00672 | 0.00625 | 0.00671 | 0.00633 | 0.00647 | 0.00659 | 0.00648 | 0.00549 |
| Cobalt | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00031 RRV | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00025 RRV | <0.00010 |
| Copper | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s2}^{F}$ | 0.00070 | 0.00042 | 0.00059 | 0.00043 | 0.00027 | 0.00026 | 0.00030 | 0.00046 | 0.00383 RRV | 0.00035 | 0.00034 | 0.00027 | 0.00030 | 0.00154 RRV |
| **MSOG Copper Guideline (Chronic)** | | | | | 0.00525 | 0.00501 | 0.00525 | 0.00516 | 0.00529 | 0.00591 | 0.00561 | 0.00495 | 0.00560 | 0.00507 | 0.00526 | 0.00543 | 0.00527 | 0.00398 |
| **MSOG Copper Guideline (Acute)** | | | | | 0.0075 | 0.0071 | 0.0075 | 0.0073 | 0.0075 | 0.0085 | 0.0080 | 0.0070 | 0.0080 | 0.0072 | 0.0075 | 0.0077 | 0.0075 | 0.0055 |
| **FEQG Copper Guideline (Chronic)** | | | | | 0.0095 | 0.0051 | 0.0053 | 0.0120 | 0.0143 | 0.0144 | 0.0145 | 0.0051 | 0.0045 | 0.0085 | 0.0081 | 0.0113 | 0.0103 | 0.0055 |
| Iron | mg/L | n/v | n/v | n/v | 0.028 | 0.047 | 0.078 | 0.030 | 0.010 | 0.012 | 0.011 | 0.024 | 0.030 | 0.031 | 0.012 | 0.014 | 0.014 | 0.068 |
| Lead | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s3}^{F}$ | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000086 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| **MSOG Lead Guideline (Chronic)** | | | | | 0.00127 | 0.00119 | 0.00127 | 0.00124 | 0.00128 | 0.00148 | 0.00138 | 0.00117 | 0.00138 | 0.00121 | 0.00127 | 0.00132 | 0.00127 | 0.00088 |
| **MSOG Lead Guideline (Acute)** | | | | | 0.03248 | 0.03060 | 0.03248 | 0.03174 | 0.03282 | 0.03790 | 0.03539 | 0.03014 | 0.03532 | 0.03107 | 0.03255 | 0.03397 | 0.03269 | 0.02266 |
| **FEQG Lead Guideline (Chronic)** | | | | | 0.0132 | 0.0133 | 0.0136 | 0.0129 | 0.0137 | 0.0143 | 0.0134 | 0.0127 | 0.0128 | 0.0126 | 0.0135 | 0.0136 | 0.0127 | 0.0134 |
| Lithium | mg/L | n/v | n/v | n/v | <0.0010 | <0.0010 | 0.0016 | 0.0011 | <0.0010 | 0.0023 | <0.0010 | <0.0010 | 0.0017 | <0.0010 | <0.0010 | 0.0015 | <0.0010 | <0.0010 |
| Magnesium | mg/L | n/v | n/v | n/v | 4.33 | 4.12 | 4.13 | 4.41 | 4.25 | 4.86 | 4.80 | 4.27 | 4.67 | 4.42 | 4.05 | 4.67 | 4.64 | 2.91 |
| Manganese | mg/L | n/v | Equation*$_{EQ3,EQ4}^{DE}$ | n/v | 0.00310 | 0.00340 | 0.00796 | 0.00119 | 0.00564 | 0.0117 | 0.00875 | 0.00319 | 0.00323 | 0.00160 | 0.00607 | 0.0113 | 0.0119 | 0.0131 |
| **CCME Manganese Guideline (Chronic)** | | | | | 0.400 | 0.430 | 0.500 | 0.500 | 0.390 | 0.320 | 0.390 | 0.320 | 0.490 | 0.500 | 0.430 | 0.430 | 0.430 | 0.320 |
| **CCME Manganese Guideline (Acute)** | | | | | 3.844 | 3.666 | 3.844 | 3.774 | 3.875 | 4.344 | 4.114 | 3.622 | 4.107 | 3.711 | 3.850 | 3.982 | 3.863 | 2.892 |
| Mercury | mg/L | n/v | n/v | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | n/v | n/v | 0.000158 | 0.000061 | 0.000077 | 0.000053 | - | - | - | 0.000046 | 0.000054 | 0.000068 | - | - | - | 0.000023 |
| Molybdenum | mg/L | n/v | n/v | n/v | 0.000478 | 0.000422 | 0.000478 | 0.000442 | 0.000535 | 0.000624 | 0.000591 | 0.000467 | 0.000544 | 0.000395 | 0.000544 | 0.000563 | 0.000575 | 0.00314 |
| Nickel | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00069 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00065 | <0.00050 |
| **MSOG Nickel Guideline (Chronic)** | | | | | 0.031 | 0.029 | 0.031 | 0.030 | 0.031 | 0.034 | 0.033 | 0.029 | 0.033 | 0.030 | 0.031 | 0.032 | 0.031 | 0.023 |
| **MSOG Nickel Guideline (Acute)** | | | | | 0.276 | 0.264 | 0.276 | 0.271 | 0.278 | 0.310 | 0.294 | 0.260 | 0.294 | 0.267 | 0.276 | 0.285 | 0.277 | 0.210 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 1.20 | 1.06 | 1.14 | 1.15 | 1.15 | 1.32 | 1.37 | 1.05 | 1.18 | 1.14 | 1.13 | 1.23 | 1.25 | 0.827 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00141 | 0.00121 | 0.00131 | 0.00108 | 0.00135 | 0.00144 | 0.00158 | 0.00109 | 0.00117 | 0.00108 | 0.00132 | 0.00132 | 0.00129 | 0.00134 |
| Selenium | mg/L | n/v | n/v | n/v | 0.000068 | 0.000152 | <0.000050 | 0.000054 | 0.000098 | 0.000080 | <0.000050 | <0.000050 | <0.000050 | 0.000064 | <0.000050 | 0.000061 | <0.000050 | <0.000050 |
| Silicon | mg/L | n/v | n/v | n/v | 0.971 | 1.08 | 1.19 | 1.32 | 0.743 | 0.616 | 0.669 | 1.26 | 1.35 | 1.49 | 0.798 | 0.571 | 0.664 | 1.41 |
| Silver | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 3.01 | 2.28 | 2.82 | 2.46 | 2.29 | 2.84 | 2.78 | 2.26 | 2.68 | 2.48 | 2.22 | 2.64 | 2.61 | 1.92 |
| Strontium | mg/L | n/v | n/v | 2.5$^{F}$ | 0.0319 | 0.0306 | 0.0331 | 0.0289 | 0.0311 | 0.0361 | 0.0359 | 0.0328 | 0.0350 | 0.0288 | 0.0315 | 0.0324 | 0.0350 | 0.0276 |
| Sulfur | mg/L | n/v | n/v | n/v | 1.94 | 1.49 | 1.56 | 2.28 | 1.61 | 2.34 | 2.09 | 2.02 | 1.86 | 2.25 | 2.00 | 1.92 | 1.92 | <0.50 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00032 | 0.00070 RRV | 0.00044 RRV | 0.00044 | 0.00037 | 0.00018 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | n/v | n/v | n/v | 0.000030 | 0.000027 | 0.000036 | 0.000032 | 0.000032 | 0.000033 | 0.000039 | 0.000029 | 0.000039 | 0.000030 | 0.000032 | 0.000036 | 0.000037 | 0.000012 |
| Vanadium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | Equation*$_{s5}^{BC}$ | Equation*$_{EQ1,EQ2}^{DE}$ | n/v | 0.0050 | 0.0011 | 0.0017 | <0.0010 | 0.0017 | <0.0010 | <0.0010 | <0.0010 | 0.0040 | 0.0010 | 0.0038 | <0.0010 | <0.0010 | 0.0042 RRV |
| **MSOG Zinc Guideline (Chronic)** | | | | | 0.070 | 0.066 | 0.070 | 0.068 | 0.070 | 0.078 | 0.074 | 0.066 | 0.074 | 0.067 | 0.070 | 0.072 | 0.070 | 0.053 |
| **MSOG Zinc Guideline (Acute)** | | | | | 0.069 | 0.066 | 0.069 | 0.068 | 0.070 | 0.078 | 0.074 | 0.065 | 0.074 | 0.067 | 0.069 | 0.071 | 0.069 | 0.052 |
| **CCME Zinc Guideline (Chronic)** | | | | | 0.028 | 0.020 | 0.026 | 0.019 | 0.020 | 0.023 | 0.024 | 0.018 | 0.027 | 0.019 | 0.020 | 0.023 | 0.026 | 0.025 |
| **CCME Zinc Guideline (Acute)** | | | | | 0.085 | 0.082 | 0.087 | 0.083 | 0.087 | 0.098 | 0.091 | 0.080 | 0.089 | 0.081 | 0.086 | 0.089 | 0.084 | 0.068 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQF37 - Surface | | | | | | | AQF37 - Deep | | | | | | AQF38 - Surface |
| Sample Date | | | | | 27-Feb-25 | 20-Mar-25 | 24-Apr-25 | 23-May-25 | 26-Oct-25 | 23-Nov-25 | 13-Dec-25 | 20-Mar-25 | 24-Apr-25 | 23-May-25 | 26-Oct-25 | 23-Nov-25 | 13-Dec-25 | 27-Feb-25 |
| Sample ID | | | | | AQF37 | AQF37 - Surface | AQF37 - surface | AQF37-surface | AQF37-surface | AQF37-Surface | AQF37-Surface | AQF37 - Deep | AQF37 - deep | AQF37-deep | AQF37-deep | AQF37-Deep | AQF37-Deep | AQF38 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2502751 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521492 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521492 | WP2502751 |
| Laboratory Sample ID | | | | | WP2502751-018 | WP2503851-025 | WP2505523-014 | WP2507298-015 | WP2518837-038 | WP2520511-016 | WP2521492-004 | WP2503851-026 | WP2505523-015 | WP2507298-016 | WP2518837-039 | WP2520511-017 | WP2521492-005 | WP2502751-022 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | |
| **Metals, Total** | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | $0.005/0.1_{VAR}^{C}$ | $0.005/0.1_{VAR1}^{E}$ | Equation$*_{s1}^{F}$ | 0.0076 | 0.0157 | 0.0298 | 0.0137 | 0.0229 | 0.0086 | 0.0093 | 0.0187 | 0.0144 | 0.0187 | **0.417$^{CE}$** | 0.0281 | 0.0140 | 0.0121 |
| FEQG Aluminum Guideline (Chronic) | | | | | 1.2 | 0.86 | 0.87 | 1.5 | 1.6 | 1.6 | 1.8 | 0.87 | 0.82 | 1.2 | 1.1 | 1.4 | 1.3 | 0.82 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | n/v | $0.005^{E}$ | n/v | 0.00034 | 0.00030 | 0.00032 | 0.00024 | 0.00036 | 0.00032 | 0.00035 | 0.00027 | 0.00032 | 0.00027 | 0.00068 | 0.00032 | 0.00033 | 0.00019 |
| Barium | mg/L | n/v | n/v | n/v | 0.0100 | 0.00986 | 0.0112 | 0.00911 | 0.00887 | 0.0101 | 0.0102 | 0.00958 | 0.00991 | 0.00982 | 0.0159 | 0.00961 | 0.00938 | 0.0155 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | 0.000026 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | $29/1.5_{s3}^{C}$ | $29^{D}$ $1.5^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | n/v | $0.001_{STB}^{D}$ $0.00009_{LTG}^{E}$ | n/v | <0.0000050 | <0.0000050 | 0.0000060 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000062 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000077 | <0.0000050 | <0.0000050 | <0.0000050 |
| CCME Cadmium Guideline (Chronic) | | | | | 0.00009 | 0.00009 | 0.00009 | 0.00009 | 0.00010 | 0.00011 | 0.00010 | 0.00009 | 0.00010 | 0.00009 | 0.00009 | 0.00010 | 0.00009 | 0.00007 |
| CCME Cadmium Guideline (Acute) | | | | | 0.00111 | 0.00105 | 0.00111 | 0.00109 | 0.00112 | 0.00128 | 0.00120 | 0.00104 | 0.00120 | 0.00107 | 0.00111 | 0.00116 | 0.00112 | 0.00080 |
| Calcium | mg/L | n/v | n/v | n/v | 15.0 | 15.2 | 15.1 | 13.2 | 13.5 | 13.2 | 15.2 | 14.4 | 15.0 | 13.0 | 13.6 | 13.3 | 14.4 | 10.7 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | 0.000059 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00083 | <0.00050 | <0.00050 | <0.00050 |
| Chromium (Hexavalent) | mg/L | n/v | $0.001^{E}$ | $0.005^{F}$ | **0.00126$^{E}$** | <0.00050 | **0.00450 RRV$^{E}$** | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Cobalt | mg/L | n/v | n/v | Equation$*_{s4}^{F}$ | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00039 | <0.00010 | <0.00010 | <0.00010 |
| FEQG Cobalt Guideline (Chronic) | | | | | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 |
| Copper | mg/L | n/v | Equation$*_{EQ6}^{E}$ | n/v | 0.00158 | <0.00050 | 0.00072 | <0.00050 | <0.00050 | <0.00050 | 0.00057 | 0.00055 | <0.00050 | <0.00050 | 0.00068 | <0.00050 | <0.00050 | <0.00050 |
| CWQG Copper Guideline (Chronic) | | | | | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| Iron | mg/L | $0.3^{C}$ | $0.3^{E}$ | Equation$*_{s5}^{F}$ | 0.041 | 0.057 | 0.140 | 0.086 | 0.095 | 0.033 | 0.029 | 0.039 | 0.071 | 0.125 | **1.47$^{CEF}$** | 0.103 | 0.048 | 0.077 |
| FEQG Iron Guideline (Chronic) | | | | | 0.80 | 0.80 | 0.80 | 0.79 | 0.78 | 0.79 | 0.78 | 0.80 | 0.80 | 0.80 | 0.80 | 0.79 | 0.79 | 0.80 |
| Lead | mg/L | n/v | Equation$*_{EQ5}^{E}$ | n/v | 0.000093 | <0.000050 | 0.000063 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000346 | <0.000050 | <0.000050 | <0.000050 |
| CWQG Lead Guideline (Chronic) | | | | | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Lithium | mg/L | n/v | n/v | n/v | 0.0014 | 0.0013 | <0.0010 | <0.0010 | 0.0010 | 0.0011 | 0.0021 | <0.0010 | <0.0010 | <0.0010 | 0.0016 | 0.0012 | 0.0020 | <0.0010 |
| Magnesium | mg/L | n/v | n/v | n/v | 4.25 | 4.31 | 4.26 | 3.93 | 4.17 | 4.70 | 4.81 | 4.57 | 4.82 | 4.23 | 4.13 | 4.47 | 4.64 | 3.12 |
| Manganese | mg/L | n/v | n/v | n/v | 0.00470 | 0.00500 | 0.0121 | 0.0226 | 0.0264 | 0.0158 | 0.0134 | 0.0116 | 0.0202 | 0.0354 | 0.109 | 0.0296 | 0.0191 | 0.0172 |
| Mercury | mg/L | $0.000026^{C}$ | $0.000026^{E}$ | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | $0.004^{E}$ | n/v | 0.000156 | 0.000051 | 0.000075 | 0.000046 | - | - | - | 0.000039 | 0.000053 | 0.000055 | - | - | - | <0.000020 |
| Molybdenum | mg/L | $0.073^{C}$ | $0.073^{E}$ | n/v | 0.000486 | 0.000495 | 0.000460 | 0.000403 | 0.000504 | 0.000559 | 0.000612 | 0.000596 | 0.000522 | 0.000411 | 0.000564 | 0.000553 | 0.000606 | 0.00322 |
| Nickel | mg/L | n/v | Equation$*_{EQ7}^{E}$ | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00059 | <0.00050 | <0.00050 | <0.00050 | 0.00074 | <0.00050 | 0.00055 | <0.00050 |
| CWQG Nickel Guideline (Chronic) | | | | | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.066 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.084 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 1.24 | 1.10 | 1.15 | 1.11 | 1.13 | 1.30 | 1.38 | 1.06 | 1.22 | 1.10 | 1.21 | 1.20 | 1.24 | 0.902 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00132 | 0.00131 | 0.00129 | 0.00125 | 0.00142 | 0.00152 | 0.00159 | 0.00122 | 0.00122 | 0.00119 | 0.00220 | 0.00141 | 0.00147 | 0.00137 |
| Selenium | mg/L | $0.001^{C}$ | $0.001^{E}$ | n/v | 0.000051 | <0.000050 DTSE | <0.000050 | <0.000050 | 0.000092 | 0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000052 | 0.000081 | <0.000050 | <0.000050 | 0.000065 |
| Silicon | mg/L | n/v | n/v | n/v | 1.03 | 1.09 | 1.30 | 1.27 | 0.78 | 0.65 | 0.68 | 1.26 | 1.47 | 1.41 | 1.53 | 0.67 | 0.72 | 1.52 |
| Silver | mg/L | $0.0001^{C}$ | $0.00025^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 3.05 | 2.51 | 2.73 | 2.15 | 2.31 | 2.69 | 2.76 | 2.32 | 2.63 | 2.31 | 2.29 | 2.49 | 2.59 | 2.14 |
| Strontium | mg/L | n/v | n/v | n/v | 0.0330 | 0.0337 | 0.0346 | 0.0300 | 0.0305 | 0.0336 | 0.0382 | 0.0369 | 0.0361 | 0.0294 | 0.0310 | 0.0322 | 0.0397 | 0.0274 |
| Sulfur | mg/L | n/v | n/v | n/v | 1.98 | 1.76 | 1.60 | 1.76 | 1.61 | 2.11 | 2.14 | 2.04 | 1.95 | 1.88 | 1.85 | 2.10 | 2.18 | <0.50 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | $0.0008^{C}$ | $0.0008^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00013 | 0.00024 | 0.00013 | 0.00034 | 0.00035 | 0.00021 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | 0.00079 | 0.00049 | 0.00091 | <0.00030 | 0.00031 | <0.00030 | 0.00057 | 0.00063 | 0.0181 | 0.00117 | 0.00038 | <0.00030 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | $0.033/0.015_{s4}^{C}$ | $0.033^{D}$ $0.015^{E}$ | n/v | 0.000032 | 0.000032 | 0.000037 | 0.000031 | 0.000042 | 0.000037 | 0.000040 | 0.000036 | 0.000044 | 0.000032 | 0.000094 | 0.000046 | 0.000042 | <0.000010 |
| Vanadium | mg/L | n/v | n/v | $0.12^{F}$ | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00126 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | n/v | n/v | n/v | 0.0039 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | 0.00028 | <0.00020 | <0.00020 | <0.00020 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQF40A | | | | | | | | AQF41 | | | | | | | |
| Sample Date | | | | | 22-Jan-25 | 26-Feb-25 | 20-Mar-25 | 24-Apr-25 | 22-May-25 | 23-Oct-25 | 22-Nov-25 | 15-Dec-25 | 22-Jan-25 | 26-Feb-25 | 20-Mar-25 | 24-Apr-25 | 22-May-25 | 25-Oct-25 | 24-Nov-25 | 15-Dec-25 |
| Sample ID | | | | | AQF40A | AQF40A | AQF40A | AQF40A | AQF40A | AQF40A | AQF40A | AQF40A | AQF41 | AQF41 | AQF41 | AFQ41 | AQF41 | AQF41 | AQF41 | AQF41 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2501015 | WP2502751 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521492 | WP2501015 | WP2502751 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521492 |
| Laboratory Sample ID | | | | | WP2501015-017 | WP2502751-010 | WP2503851-029 | WP2505523-011 | WP2507298-005 | WP2518837-013 | WP2520511-008 | WP2521492-015 | WP2501015-016 | WP2502751-009 | WP2503851-030 | WP2505523-010 | WP2507298-004 | WP2518837-031 | WP2520511-025 | WP2521492-016 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | | | |
| **Field Parameters** | | | | | | | | | | | | | | | | | | | | |
| Dissolved Oxygen, Field | mg/L | $>6.0^{BC}$ | $>6.5_{VAR}^{E}$ | n/v | 17.33 | 12.7 | 15.35 | 15.14 | 14.96 | 11.37 | 14.12 | 13.63 | 16.7 | 12.53 | 11.98 | 14.92 | 14.69 | 11.84 | 13.99 | 13.63 |
| Electrical Conductivity, Field | mS/cm | n/v | n/v | n/v | 0.3 | 12.2 | 21.2 | 18.4 | 16.7 | 44.8 | 16.8 | 14.9 | 3.9 | 15.2 | 20.9 | 19.3 | 11.6 | 19.4 | 16.7 | 14.9 |
| Oxidation Reduction Potential, field | mV | n/v | n/v | n/v | 214.1 | 151.8 | 119.2 | 132.6 | 109.0 | 167.5 | 77.7 | 147.7 | 199.9 | 107.9 | 141.5 | 145.1 | 96.1 | 117.5 | 199 | 126.3 |
| pH, Field | S.U. | $6.5\text{-}9.0^{C}$ | $6.5\text{-}9.0^{E}$ | n/v | 6.83 | 7.44 | 6.54 | 6.76 | 6.83 | 6.99 | 7.44 | 6.98 | 6.68 | 8.17 | 6.63 | 6.77 | 6.88 | 6.97 | 7.06 | 7.07 |
| Specific Conductance, Field | µS/cm | n/v | n/v | n/v | - | 23.2 | 40.7 | 34.2 | 26.3 | 67.2 | 31.2 | 28.5 | - | 29.1 | 40 | 34 | 18.4 | 29.4 | 31.4 | 28.5 |
| Temperature, Field | deg C | n/v | n/v | n/v | -0.1 | -0.1 | 0 | 0.7 | 5.9 | 7.471 | 0.75 | 0.1 | -0.1 | -0.1 | 0 | 0.7 | 5.9 | 7.413 | 0.47 | 0.1 |
| Total Dissolved Solids, Field | mg/L | n/v | n/v | n/v | 0.00 | 16.00 | 26.65 | 22.1 | 16.90 | - | 20.292 | 19 | 5.00 | 19.00 | 26 | 22.1 | 11.70 | - | 20.436 | 18 |
| Turbidity, Field | NTU | n/v | n/v | n/v | 3.6 | 0.68 | 0.9 | 0 | 1.75 | - | 0.27 | 0.2 | 0.16 | 0.98 | 1.07 | 2.47 | 1.88 | - | 0.75 | 3.33 |
| **General Chemistry** | | | | | | | | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | n/v | n/v | n/v | <2.0 | 2.7 | 2.9 | <2.0 | 2.4 | 2.3 | <2.0 | 2.7 | 2.2 | 2.2 | 3.1 | 2.4 | 2.2 | 2.1 | <2.0 | 2.5 |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | n/v | n/v | n/v | 12.0 | 11.7 | 11.7 | 12.6 | 12.1 | 12.8 | 13.7 | 13.2 | 12.3 | 11.5 | 12.3 | 10.5 | 12.1 | 12.3 | 12.8 | 12.8 |
| Alkalinity, Carbonate (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Phenolphthalein | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Total (as CaCO3) | mg/L | n/v | n/v | n/v | 12.0 | 11.7 | 11.7 | 12.6 | 12.1 | 12.8 | 13.7 | 13.2 | 12.3 | 11.5 | 12.3 | 10.5 | 12.1 | 12.3 | 12.8 | 12.8 |
| Ammonia (as N) | mg/L | Equation*$_{TBC}^{BC}$ | 0.0173/190$_{TBC2}^{E}$ | n/v | 0.0219 | 0.0214 | 0.0068 | <0.0050 | <0.0050 | 0.0118 | 0.0074 | 0.0125 | 0.0469 | 0.0166 | 0.0122 | 0.0254 | 0.0066 | 0.0161 | 0.0082 | 0.0134 |
| **MSOG Ammonia Guideline (Chronic)** | | | | | 6.24 | 4.59 | 6.63 | 6.36 | 6.24 | 5.93 | 4.59 | 5.95 | 6.47 | 1.88 | 6.53 | 6.34 | 6.16 | 5.98 | 5.77 | 5.74 |
| **CCME Ammonia Guideline (Chronic)** | | | | | 19.00 | 6.02 | 60.04 | 19.00 | 19.00 | 8.47 | 6.02 | 19.00 | 19.00 | 0.62 | 19.00 | 19.00 | 12.58 | 8.47 | 19.00 | 19.00 |
| Bromide | mg/L | n/v | n/v | n/v | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| Chloride | mg/L | n/v | $640^{D}$ $120^{E}$ | n/v | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.52 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Cyanate | mg/L | n/v | n/v | n/v | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| Cyanide | mg/L | 0.022/0.0052$_{s1}^{C}$ | $0.005^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Free) | mg/L | 0.022/0.0052$_{s1}^{B}$ | $0.005^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Weak Acid Dissociable) | mg/L | n/v | $0.005^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Dissolved Organic Carbon (DOC) | mg/L | n/v | n/v | n/v | 8.77 | 8.03 | 9.04 | 9.37 | 10.1 | 9.96 | 9.82 | 9.86 | 8.13 | 8.21 | 9.11 | 9.69 | 9.87 | 10.1 | 9.89 | 8.76 |
| Electrical Conductivity, Lab | µS/cm | n/v | n/v | n/v | 26.8 | 29.9 | 30.7 | 30.3 | 30.4 | 31.5 | 31.0 | 31.6 | 27.6 | 30.4 | 32.0 | 30.2 | 30.5 | 30.9 | 30.8 | 31.4 |
| Fluoride | mg/L | n/v | $0.12^{E}$ | n/v | 0.072 | 0.071 | 0.076 | 0.079 | 0.074 | 0.069 | 0.071 | 0.077 | 0.074 | 0.070 | 0.076 | 0.079 | 0.072 | 0.072 | 0.072 | 0.076 |
| Hardness (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | - | - | 12.6 | 11.4 | 12.4 | - | - | - | - | - | 12.7 | 11.9 | 12.4 |
| Hardness (as CaCO3), dissolved | mg/L | n/v | n/v | n/v | 11.1 | 11.9 | 10.8 | 11.6 | 11.8 | 11.7 | 13.1 | 12.4 | 10.8 | 11.8 | 10.6 | 12.2 | 11.8 | 11.7 | 12.9 | 12.0 |
| Nitrate (as N) | mg/L | $13^{C}$ | $124^{D}$ $3.0^{E}$ | n/v | 0.049 | 0.068 | 0.086 | 0.081 | 0.033 | 0.032 | 0.037 | 0.058 | 0.080 | 0.069 | 0.086 | 0.084 | 0.034 | 0.030 | 0.041 | 0.053 |
| Nitrate + Nitrite (as N) | mg/L | $10^{B}$ $10^{C}$ | n/v | n/v | 0.0490 | 0.0680 | 0.0860 | 0.0810 | 0.0330 | 0.0320 | 0.0370 | 0.0580 | 0.0800 | 0.0690 | 0.0860 | 0.0840 | 0.0340 | 0.0300 | 0.0410 | 0.0530 |
| Nitrite (as N) | mg/L | $0.06^{C}$ | $0.06^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| pH, lab | S.U. | $6.5\text{-}9.0^{C}$ | $6.5\text{-}9.0^{E}$ | n/v | 7.06 | 6.85 | 7.23 | 7.05 | 7.24 | 7.17 | 7.05 | 7.05 | 7.03 | 6.80 | 7.27 | 7.09 | 7.22 | 7.18 | 7.15 | 7.06 |
| Phosphorus, Total | mg/L | $0.025^{A}$ | n/v | n/v | 0.0100 | 0.0100 | 0.0090 | 0.0115 | 0.0150 | 0.0141 | 0.0151 | 0.0128 | 0.0101 | 0.0096 | 0.0101 | 0.0114 | 0.0163 | 0.0131 | 0.0153 | 0.0134 |
| Phosphorus, Total (Dissolved) | mg/L | n/v | n/v | n/v | 0.0068 | - | 0.0061 | 0.0057 | 0.0062 | 0.0060 | 0.0063 | 0.0071 | 0.0073 | - | 0.0066 | 0.0053 | 0.0049 | 0.0062 | 0.0061 | 0.0072 |
| Sulfate | mg/L | n/v | n/v | n/v | 0.61 | 0.62 | 0.67 | 0.77 | 0.70 | 0.50 | 0.70 | 0.80 | 0.66 | 0.80 | 0.67 | 0.74 | 0.71 | 0.50 | 0.85 | 0.63 |
| Thiocyanate | mg/L | n/v | n/v | n/v | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Total Dissolved Solids | mg/L | n/v | n/v | n/v | 24.6 | 30.4 | 18.0 | 21.7 | 30.0 | 19.6 | 21.3 | 18.0 | 28.1 | 23.9 | 25.3 | 24.6 | 23.2 | 23.4 | 24.6 | 18.8 |
| Total Kjeldahl Nitrogen | mg/L | n/v | n/v | n/v | 0.298 | 0.294 | 0.277 | 0.282 | 0.326 | 0.330 | 0.336 | 0.316 | 0.326 | 0.295 | 0.283 | 0.304 | 0.317 | 0.357 | 0.330 | 0.324 |
| Total Organic Carbon | mg/L | n/v | n/v | n/v | 7.86 | 8.17 | 8.15 | 8.32 | 8.66 | 9.88 | 9.31 | 9.18 | 8.36 | 7.93 | 8.44 | 9.10 | 8.89 | 9.26 | 9.44 | 9.01 |
| Total Suspended Solids | mg/L | $_{SN}^{BC}$ | $_{SN}^{E}$ | n/v | <1.0 | <1.0 | <1.0 | <1.0 | 1.2 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.2 | 1.0 | <1.0 | <1.0 | <1.0 |
| Turbidity, Lab | NTU | n/v | n/v | n/v | 0.65 | 0.61 | 0.69 | 0.69 | 1.12 | 1.01 | 0.81 | 0.79 | 0.68 | 0.53 | 0.63 | 0.70 | 1.22 | 1.07 | 0.96 | 0.88 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQF40A | | | | | | | | AQF41 | | | | | | | |
| Sample Date | | | | | 22-Jan-25 | 26-Feb-25 | 20-Mar-25 | 24-Apr-25 | 22-May-25 | 23-Oct-25 | 22-Nov-25 | 15-Dec-25 | 22-Jan-25 | 26-Feb-25 | 20-Mar-25 | 24-Apr-25 | 22-May-25 | 25-Oct-25 | 24-Nov-25 | 15-Dec-25 |
| Sample ID | | | | | AQF40A | AQF40A | AQF40A | AQF40A | AQF40A | AQF40A | AQF40A | AQF40A | AQF41 | AQF41 | AQF41 | AFQ41 | AQF41 | AQF41 | AQF41 | AQF41 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2501015 | WP2502751 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521492 | WP2501015 | WP2502751 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521492 |
| Laboratory Sample ID | | | | | WP2501015-017 | WP2502751-010 | WP2503851-029 | WP2505523-011 | WP2507298-005 | WP2518837-013 | WP2520511-008 | WP2521492-015 | WP2501015-016 | WP2502751-009 | WP2503851-030 | WP2505523-010 | WP2507298-004 | WP2518837-031 | WP2520511-025 | WP2521492-016 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | | | |
| **Metals, Dissolved** | | | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | n/v | n/v | n/v | 0.0142 | 0.0136 | 0.0133 | 0.0136 | 0.0132 | 0.0090 | 0.0111 | 0.0106 | 0.0150 | 0.0123 | 0.0135 | 0.0159 | 0.0133 | 0.0090 | 0.0109 | 0.0113 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | 0.34/0.15$_{s2}^{BC}$ | n/v | n/v | 0.00014 | 0.00012 | 0.00014 | 0.00014 | 0.00011 | 0.00016 | 0.00024 | 0.00015 | 0.00021 | 0.00015 | 0.00013 | 0.00012 | 0.00012 | 0.00017 | 0.00016 | 0.00016 |
| Barium | mg/L | n/v | n/v | n/v | 0.00558 | 0.00586 | 0.00552 | 0.00599 | 0.00490 | 0.00487 | 0.00473 | 0.00528 | 0.00519 | 0.00552 | 0.00522 | 0.00601 | 0.00509 | 0.00504 | 0.00462 | 0.00524 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | n/v | n/v | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000174 | <0.0000050 | <0.0000050 |
| **MSOG Cadmium Guideline (Chronic)** | | | | | 0.00005 | 0.00006 | 0.00005 | 0.00005 | 0.00006 | 0.00006 | 0.00006 | 0.00006 | 0.00005 | 0.00006 | 0.00005 | 0.00006 | 0.00006 | 0.00006 | 0.00006 | 0.00006 |
| **MSOG Cadmium Guideline (Acute)** | | | | | 0.00024 | 0.00025 | 0.00023 | 0.00025 | 0.00025 | 0.00027 | 0.00028 | 0.00026 | 0.00023 | 0.00025 | 0.00023 | 0.00026 | 0.00025 | 0.00027 | 0.00027 | 0.00026 |
| Calcium | mg/L | n/v | n/v | n/v | 3.06 | 3.26 | 2.93 | 3.12 | 3.19 | 3.14 | 3.53 | 3.34 | 2.96 | 3.22 | 2.83 | 3.31 | 3.18 | 3.19 | 3.49 | 3.23 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| **MSOG Chromium Guideline (Chronic)** | | | | | 0.00293 | 0.00303 | 0.00289 | 0.00299 | 0.00302 | 0.00312 | 0.00318 | 0.00310 | 0.00289 | 0.00302 | 0.00286 | 0.00307 | 0.00302 | 0.00314 | 0.00316 | 0.00310 |
| Cobalt | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00020 |
| Copper | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s2}^{F}$ | **0.00471**$^{BCF}$ | 0.00027 | 0.00030 | 0.00048 | 0.00026 | 0.00026 | 0.00025 | 0.00025 | **0.00275**$^{BCF}$ | 0.00023 | 0.00028 | 0.00043 | 0.00030 | 0.00050 | 0.00022 | 0.00026 |
| **MSOG Copper Guideline (Chronic)** | | | | | 0.00137 | 0.00145 | 0.00134 | 0.00142 | 0.00144 | 0.00153 | 0.00158 | 0.00150 | 0.00134 | 0.00144 | 0.00132 | 0.00148 | 0.00144 | 0.00154 | 0.00156 | 0.00150 |
| **MSOG Copper Guideline (Acute)** | | | | | 0.0017 | 0.0018 | 0.0017 | 0.0018 | 0.0018 | 0.0019 | 0.0020 | 0.0019 | 0.0017 | 0.0018 | 0.0016 | 0.0019 | 0.0018 | 0.0019 | 0.0020 | 0.0019 |
| **FEQG Copper Guideline (Chronic)** | | | | | 0.0014 | 0.0045 | 0.0006 | 0.0012 | 0.0016 | 0.0024 | 0.0056 | 0.0023 | 0.0009 | 0.0077 | 0.0008 | 0.0013 | 0.0018 | 0.0023 | 0.0028 | 0.0025 |
| Iron | mg/L | n/v | n/v | n/v | 0.082 | 0.100 | 0.103 | 0.114 | 0.086 | 0.059 | 0.080 | 0.076 | 0.079 | 0.092 | 0.112 | 0.118 | 0.082 | 0.058 | 0.074 | 0.075 |
| Lead | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s3}^{F}$ | 0.000172 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| **MSOG Lead Guideline (Chronic)** | | | | | 0.00022 | 0.00023 | 0.00021 | 0.00023 | 0.00023 | 0.00025 | 0.00026 | 0.00024 | 0.00021 | 0.00023 | 0.00020 | 0.00024 | 0.00023 | 0.00025 | 0.00026 | 0.00024 |
| **MSOG Lead Guideline (Acute)** | | | | | 0.00553 | 0.00598 | 0.00536 | 0.00581 | 0.00593 | 0.00639 | 0.00668 | 0.00627 | 0.00536 | 0.00593 | 0.00524 | 0.00616 | 0.00593 | 0.00644 | 0.00656 | 0.00627 |
| **FEQG Lead Guideline (Chronic)** | | | | | 0.0079 | 0.0077 | 0.0080 | 0.0082 | 0.0086 | 0.0087 | 0.0087 | 0.0086 | 0.0076 | 0.0077 | 0.0080 | 0.0085 | 0.0085 | 0.0087 | 0.0087 | 0.0081 |
| Lithium | mg/L | n/v | n/v | n/v | 0.0012 | 0.0013 | <0.0010 | 0.0014 | <0.0010 | 0.0011 | 0.0018 | <0.0010 | 0.0012 | 0.0012 | <0.0010 | 0.0014 | <0.0010 | 0.0013 | 0.0021 | 0.0013 |
| Magnesium | mg/L | n/v | n/v | n/v | 0.841 | 0.906 | 0.856 | 0.928 | 0.927 | 0.949 | 1.05 | 0.986 | 0.823 | 0.913 | 0.851 | 0.960 | 0.936 | 0.912 | 1.02 | 0.956 |
| Manganese | mg/L | n/v | Equation*$_{EQ3,EQ4}^{DE}$ | n/v | 0.00358 | 0.00487 | 0.00566 | 0.00743 | 0.0104 | 0.00273 | 0.00197 | 0.00267 | 0.00335 | 0.00458 | 0.00604 | 0.00830 | 0.0105 | 0.00329 | 0.00260 | 0.00296 |
| **CCME Manganese Guideline (Chronic)** | | | | | 0.250 | 0.230 | 0.260 | 0.210 | 0.230 | 0.230 | 0.250 | 0.260 | 0.250 | 0.230 | 0.160 | 0.210 | 0.230 | 0.230 | 0.250 | 0.250 |
| **CCME Manganese Guideline (Acute)** | | | | | 0.966 | 1.027 | 0.943 | 1.004 | 1.019 | 1.080 | 1.117 | 1.065 | 0.943 | 1.019 | 0.928 | 1.050 | 1.019 | 1.087 | 1.102 | 1.065 |
| Mercury | mg/L | n/v | n/v | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 SFP | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | n/v | n/v | <0.000040 DLB | 0.000023 | 0.000039 | 0.000039 | 0.000046 | - | - | - | 0.000049 | 0.000024 | - | - | - | - | - | - |
| Molybdenum | mg/L | n/v | n/v | n/v | 0.000077 | 0.000051 | 0.000079 | 0.000112 | 0.000080 | 0.000098 | 0.000094 | 0.000077 | 0.000067 | 0.000066 | 0.000067 | 0.000078 | 0.000091 | 0.000093 | 0.000077 | 0.000068 |
| Nickel | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00057 |
| **MSOG Nickel Guideline (Chronic)** | | | | | 0.008 | 0.009 | 0.008 | 0.008 | 0.009 | 0.009 | 0.009 | 0.009 | 0.008 | 0.009 | 0.008 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 |
| **MSOG Nickel Guideline (Acute)** | | | | | 0.073 | 0.077 | 0.071 | 0.076 | 0.077 | 0.081 | 0.084 | 0.080 | 0.071 | 0.077 | 0.070 | 0.079 | 0.077 | 0.082 | 0.083 | 0.080 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 0.564 | 0.567 | 0.514 | 0.581 | 0.544 | 0.541 | 0.563 | 0.602 | 0.550 | 0.560 | 0.505 | 0.580 | 0.541 | 0.567 | 0.588 | 0.596 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00101 | 0.00107 | 0.00097 | 0.00108 | 0.00095 | 0.00110 | 0.00096 | 0.00100 | 0.00103 | 0.00105 | 0.00100 | 0.00100 | 0.00099 | 0.00096 | 0.00102 | 0.00099 |
| Selenium | mg/L | n/v | n/v | n/v | 0.000133 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000067 | <0.000050 | 0.000142 | <0.000050 | <0.000050 | <0.000050 | 0.000068 | <0.000050 | <0.000050 | 0.000109 |
| Silicon | mg/L | n/v | n/v | n/v | 2.29 | 2.41 | 2.24 | 2.40 | 2.29 | 2.03 | 2.37 | 2.82 | 2.22 | 2.39 | 2.34 | 2.44 | 2.22 | 2.01 | 2.50 | 2.82 |
| Silver | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 1.25 | 1.33 | 1.21 | 1.33 | 1.19 | 1.32 | 1.39 | 1.47 | 1.31 | 1.38 | 1.20 | 1.35 | 1.23 | 1.26 | 1.36 | 1.38 |
| Strontium | mg/L | n/v | n/v | 2.5$^{F}$ | 0.0132 | 0.0142 | 0.0133 | 0.0140 | 0.0132 | 0.0143 | 0.0131 | 0.0143 | 0.0127 | 0.0144 | 0.0133 | 0.0146 | 0.0131 | 0.0137 | 0.0130 | 0.0127 |
| Sulfur | mg/L | n/v | n/v | n/v | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.62 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.66 | 0.55 | <0.50 | <0.50 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | 0.00017 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00013 | <0.00010 | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | n/v | n/v | n/v | 0.000014 | 0.000015 | 0.000013 | 0.000018 | 0.000015 | 0.000017 | 0.000017 | 0.000020 | 0.000016 | 0.000016 | 0.000013 | 0.000017 | 0.000016 | 0.000014 | 0.000018 | 0.000013 |
| Vanadium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | Equation*$_{s5}^{BC}$ | Equation*$_{EQ1,EQ2}^{DE}$ | n/v | 0.0051 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0011 | <0.0010 | <0.0010 | 0.0017 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0021 | <0.0010 | <0.0010 |
| **MSOG Zinc Guideline (Chronic)** | | | | | 0.018 | 0.019 | 0.018 | 0.019 | 0.019 | 0.020 | 0.021 | 0.020 | 0.018 | 0.019 | 0.018 | 0.020 | 0.019 | 0.021 | 0.021 | 0.020 |
| **MSOG Zinc Guideline (Acute)** | | | | | 0.018 | 0.019 | 0.018 | 0.019 | 0.019 | 0.020 | 0.021 | 0.020 | 0.018 | 0.019 | 0.017 | 0.020 | 0.019 | 0.020 | 0.021 | 0.020 |
| **CCME Zinc Guideline (Chronic)** | | | | | 0.007 | 0.009 | 0.006 | 0.008 | 0.007 | 0.008 | 0.009 | 0.009 | 0.007 | 0.010 | 0.006 | 0.008 | 0.007 | 0.008 | 0.008 | 0.008 |
| **CCME Zinc Guideline (Acute)** | | | | | 0.021 | 0.022 | 0.021 | 0.022 | 0.023 | 0.024 | 0.025 | 0.024 | 0.020 | 0.022 | 0.021 | 0.023 | 0.023 | 0.024 | 0.025 | 0.023 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQF40A | | | | | | | | AQF41 | | | | | | | |
| Sample Date | | | | | 22-Jan-25 | 26-Feb-25 | 20-Mar-25 | 24-Apr-25 | 22-May-25 | 23-Oct-25 | 22-Nov-25 | 15-Dec-25 | 22-Jan-25 | 26-Feb-25 | 20-Mar-25 | 24-Apr-25 | 22-May-25 | 25-Oct-25 | 24-Nov-25 | 15-Dec-25 |
| Sample ID | | | | | AQF40A | AQF40A | AQF40A | AQF40A | AQF40A | AQF40A | AQF40A | AQF40A | AQF41 | AQF41 | AQF41 | AFQ41 | AQF41 | AQF41 | AQF41 | AQF41 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2501015 | WP2502751 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521492 | WP2501015 | WP2502751 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521492 |
| Laboratory Sample ID | | | | | WP2501015-017 | WP2502751-010 | WP2503851-029 | WP2505523-011 | WP2507298-005 | WP2518837-013 | WP2520511-008 | WP2521492-015 | WP2501015-016 | WP2502751-009 | WP2503851-030 | WP2505523-010 | WP2507298-004 | WP2518837-031 | WP2520511-025 | WP2521492-016 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | | | |
| **Metals, Total** | | | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | $0.005/0.1_{VAR}^{C}$ | $0.005/0.1_{VAR1}^{E}$ | Equation*$_{s1}^{F}$ | 0.0242 | 0.0190 | 0.0236 | 0.0215 | 0.0349 | 0.0300 | 0.0269 | 0.0308 | 0.0239 | 0.0217 | 0.0231 | 0.0267 | 0.0382 | 0.0285 | 0.0263 | 0.0392 |
| FEQG Aluminum Guideline (Chronic) | | | | | 0.36 | 0.77 | 0.25 | 0.35 | 0.40 | 0.50 | 0.88 | 0.49 | 0.28 | 2.00 | 0.28 | 0.37 | 0.42 | 0.49 | 0.55 | 0.51 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | n/v | $0.005^{E}$ | n/v | 0.00014 | 0.00017 | 0.00014 | 0.00015 | 0.00015 | 0.00018 | 0.00018 | 0.00021 | 0.00016 | 0.00017 | 0.00015 | 0.00018 | 0.00016 | 0.00022 | 0.00017 | 0.00018 |
| Barium | mg/L | n/v | n/v | n/v | 0.00574 | 0.00586 | 0.00606 | 0.00577 | 0.00564 | 0.00553 | 0.00526 | 0.00561 | 0.00562 | 0.00588 | 0.00607 | 0.00600 | 0.00575 | 0.00508 | 0.00529 | 0.00587 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | $29/1.5_{s3}^{C}$ | $29^{D}$ $1.5^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | n/v | $0.001_{STB}^{D}$ $0.00009_{LTG}^{E}$ | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000102 | <0.0000050 | <0.0000050 |
| CCME Cadmium Guideline (Chronic) | | | | | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 |
| CCME Cadmium Guideline (Acute) | | | | | 0.00022 | 0.00024 | 0.00022 | 0.00024 | 0.00024 | 0.00026 | 0.00027 | 0.00025 | 0.00022 | 0.00024 | 0.00021 | 0.00025 | 0.00024 | 0.00026 | 0.00026 | 0.00025 |
| Calcium | mg/L | n/v | n/v | n/v | 3.02 | 3.04 | 3.34 | 3.24 | 3.18 | 3.42 | 2.93 | 3.34 | 2.99 | 3.18 | 3.13 | 3.15 | 3.23 | 3.47 | 3.09 | 3.36 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00076 | <0.00050 | <0.00050 |
| Chromium (Hexavalent) | mg/L | n/v | $0.001^{E}$ | $0.005^{F}$ | <0.00050 | 0.00062 | 0.00074 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00066 | <0.00050 | <0.00050 | 0.00056 | <0.00050 | <0.00050 | <0.00050 |
| Cobalt | mg/L | n/v | n/v | Equation*$_{s4}^{F}$ | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| FEQG Cobalt Guideline (Chronic) | | | | | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 |
| Copper | mg/L | n/v | Equation*$_{EQ6}^{E}$ | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00051 | <0.00050 | <0.00050 |
| CWQG Copper Guideline (Chronic) | | | | | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| Iron | mg/L | $0.3^{C}$ | $0.3^{E}$ | Equation*$_{s5}^{F}$ | 0.149 | 0.141 | 0.161 | 0.190 | 0.243 | 0.149 | 0.151 | 0.162 | 0.150 | 0.154 | 0.168 | 0.202 | 0.246 | 0.148 | 0.157 | 0.199 |
| FEQG Iron Guideline (Chronic) | | | | | 0.68 | 0.67 | 0.70 | 0.71 | 0.75 | 0.74 | 0.74 | 0.74 | 0.64 | 0.63 | 0.70 | 0.73 | 0.73 | 0.76 | 0.74 | 0.69 |
| Lead | mg/L | n/v | Equation*$_{EQ5}^{E}$ | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| CWQG Lead Guideline (Chronic) | | | | | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Lithium | mg/L | n/v | n/v | n/v | 0.0013 | <0.0010 | 0.0011 | <0.0010 | <0.0010 | 0.0015 | <0.0010 | 0.0017 | 0.0013 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0013 | 0.0013 | 0.0017 |
| Magnesium | mg/L | n/v | n/v | n/v | 0.903 | 0.922 | 0.920 | 0.930 | 0.921 | 0.986 | 0.998 | 0.975 | 0.902 | 0.916 | 0.916 | 0.958 | 0.936 | 0.991 | 1.02 | 0.975 |
| Manganese | mg/L | n/v | n/v | n/v | 0.00754 | 0.00783 | 0.00957 | 0.0102 | 0.0341 | 0.0201 | 0.0104 | 0.00875 | 0.00763 | 0.00814 | 0.00961 | 0.0113 | 0.0357 | 0.0186 | 0.0112 | 0.0165 |
| Mercury | mg/L | $0.000026^{C}$ | $0.000026^{E}$ | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | $0.004^{E}$ | n/v | 0.000029 | 0.000022 | 0.000033 | 0.000035 | 0.000034 | - | - | - | 0.000030 | 0.000021 | - | - | - | - | - | - |
| Molybdenum | mg/L | $0.073^{C}$ | $0.073^{E}$ | n/v | 0.000093 | 0.000054 | 0.000065 | 0.000071 | 0.000087 | 0.000122 | 0.000084 | 0.000098 | 0.000095 | 0.000062 | 0.000055 | 0.000066 | 0.000095 | 0.000107 | 0.000082 | 0.000080 |
| Nickel | mg/L | n/v | Equation*$_{EQ7}^{E}$ | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| CWQG Nickel Guideline (Chronic) | | | | | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 0.595 | 0.592 | 0.544 | 0.594 | 0.564 | 0.549 | 0.561 | 0.568 | 0.580 | 0.593 | 0.537 | 0.610 | 0.574 | 0.636 | 0.578 | 0.572 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00107 | 0.00106 | 0.00107 | 0.00103 | 0.00100 | 0.00110 | 0.00103 | 0.00104 | 0.00096 | 0.00119 | 0.00110 | 0.00113 | 0.00098 | 0.00110 | 0.00099 | 0.00101 |
| Selenium | mg/L | $0.001^{C}$ | $0.001^{E}$ | n/v | <0.000050 | 0.000058 | 0.000063 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000056 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000063 | 0.000052 |
| Silicon | mg/L | n/v | n/v | n/v | 2.54 | 2.43 | 2.41 | 2.46 | 2.32 | 2.13 | 2.49 | 2.83 | 2.42 | 2.45 | 2.49 | 2.52 | 2.35 | 2.16 | 2.58 | 2.90 |
| Silver | mg/L | $0.0001^{C}$ | $0.00025^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 1.28 | 1.36 | 1.28 | 1.36 | 1.25 | 1.25 | 1.29 | 1.40 | 1.39 | 1.30 | 1.30 | 1.38 | 1.23 | 1.62 | 1.31 | 1.39 |
| Strontium | mg/L | n/v | n/v | n/v | 0.0134 | 0.0139 | 0.0153 | 0.0158 | 0.0135 | 0.0137 | 0.0127 | 0.0131 | 0.0132 | 0.0140 | 0.0144 | 0.0150 | 0.0135 | 0.0129 | 0.0131 | 0.0134 |
| Sulfur | mg/L | n/v | n/v | n/v | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | $0.0008^{C}$ | $0.0008^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | 0.00054 | 0.00042 | 0.00067 | 0.00047 | 0.00120 | 0.00134 | 0.00060 | 0.00069 | 0.00074 | 0.00048 | 0.00050 | 0.00078 | 0.00128 | 0.00090 | 0.00082 | 0.00112 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | $0.033/0.015_{s4}^{C}$ | $0.033^{D}$ $0.015^{E}$ | n/v | 0.000016 | 0.000016 | 0.000018 | 0.000017 | 0.000019 | 0.000020 | 0.000019 | 0.000021 | 0.000015 | 0.000018 | 0.000018 | 0.000018 | 0.000019 | 0.000022 | 0.000025 | 0.000020 |
| Vanadium | mg/L | n/v | n/v | $0.12^{F}$ | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | n/v | n/v | n/v | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| **Area** | | | | | **Gordon Site** | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Location** | | | | | **AQF42** | **AQF44** | | | | | | | | **AQF45** | **AQF46** | | **AQF47** |
| **Sample Date** | | | | | **22-Jan-25** | **22-Jan-25** | **26-Feb-25** | **20-Mar-25** | **24-Apr-25** | **22-May-25** | **26-Oct-25** | **24-Nov-25** | **15-Dec-25** | **22-Jan-25** | **22-Jan-25** | **27-Feb-25** | **22-Jan-25** |
| **Sample ID** | | | | | **AQF42** | **AQF44** | **AQF44** | **AQF44** | **AQF44** | **AQF44** | **AQF44** | **AQF44** | **AQF44** | **AQF45** | **AQF46** | **AQF46** | **AQF47** |
| **Sampling Company** | | | | | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** |
| **Laboratory** | | | | | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** |
| **Laboratory Work Order** | | | | | **WP2501015** | **WP2501015** | **WP2502751** | **WP2503851** | **WP2505523** | **WP2507298** | **WP2518837** | **WP2520511** | **WP2521492** | **WP2501015** | **WP2501015** | **WP2502751** | **WP2501015** |
| **Laboratory Sample ID** | | | | | **WP2501015-015** | **WP2501015-014** | **WP2502751-011** | **WP2503851-028** | **WP2505523-013** | **WP2507298-007** | **WP2518837-040** | **WP2520511-023** | **WP2521492-014** | **WP2501015-013** | **WP2501015-019** | **WP2502751-021** | **WP2501015-022** |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** | | | | | | | | | | | | | |
| **Field Parameters** | | | | | | | | | | | | | | | | | |
| Dissolved Oxygen, Field | mg/L | >6.0$^{BC}$ | >6.5$_{VAR}^{E}$ | n/v | 19.73 | 16.43 | 14.75 | 11.57 | 12.45 | 16.02 | 12.15 | 13.75 | 13.72 | 14.04 | 9.28 | **6.49**$^{E}$ | 13.56 |
| Electrical Conductivity, Field | mS/cm | n/v | n/v | n/v | 6.8 | 6.9 | 2.7 | 22.4 | 19 | 19.4 | 20.5 | 22.1 | 20.8 | 16.5 | 26.6 | 53.3 | 36.3 |
| Oxidation Reduction Potential, field | mV | n/v | n/v | n/v | 117 | 240.2 | 159.6 | 108.7 | 134 | 67.2 | 86.2 | 108 | 200.6 | 226.9 | 267.4 | 173.7 | 71 |
| pH, Field | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v | 6.78 | **6.39**$^{CE}$ | 7.74 | 6.75 | 6.88 | 7.44 | 7.37 | 7.08 | 7.53 | **6.36**$^{CE}$ | 6.62 | 6.79 | 7.94 |
| Specific Conductance, Field | µS/cm | n/v | n/v | n/v | - | - | 5 | 42.9 | 36 | 28.3 | 32 | 42 | 39.7 | - | - | 100.4 | - |
| Temperature, Field | deg C | n/v | n/v | n/v | -0.1 | -0.1 | -0.1 | 0 | 0.3 | 8.6 | 6.13 | 0.52 | 0.116 | -0.1 | 0.5 | 0.4 | -0.1 |
| Total Dissolved Solids, Field | mg/L | n/v | n/v | n/v | 9.00 | 9.00 | 4.00 | 27.95 | 23.4 | 18.2 | 21 | 27.12 | 26 | 21.00 | 33.00 | 65.00 | 46.00 |
| Turbidity, Field | NTU | n/v | n/v | n/v | 1.94 | 2.08 | 2.48 | 1 | 0.37 | 5.52 | - | 1.42 | 0.45 | 1.36 | 0.79 | 2.41 | 2.74 |
| **General Chemistry** | | | | | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | 2.4 | 3.3 | <2.0 | 2.3 | <2.0 | <2.0 | <2.0 | <2.0 | 3.5 | 5.9 | 3.5 |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | n/v | n/v | n/v | 12.5 | 13.6 | 11.0 | 12.5 | 12.7 | 13.0 | 13.6 | 14.9 | 13.3 | 13.9 | 41.8 | 45.1 | 53.0 |
| Alkalinity, Carbonate (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Phenolphthalein | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Total (as CaCO3) | mg/L | n/v | n/v | n/v | 12.5 | 13.6 | 11.0 | 12.5 | 12.7 | 13.0 | 13.6 | 14.9 | 13.3 | 13.9 | 41.8 | 45.1 | 53.0 |
| Ammonia (as N) | mg/L | Equation*$_{TBC}^{BC}$ | 0.0173/190$_{TBC2}^{E}$ | n/v | 0.0342 | 0.0176 | 0.0409 | 0.0080 | 0.0053 | 0.0057 | 0.0152 | 0.0082 | 0.0133 | 0.0192 | 0.181 | 0.310 | 0.315 |
| **MSOG Ammonia Guideline (Chronic)** | | | | | 6.33 | 6.67 | 3.42 | 6.37 | 6.16 | 4.59 | 4.84 | 5.72 | 4.25 | 6.67 | 6.54 | 6.31 | 2.65 |
| **CCME Ammonia Guideline (Chronic)** | | | | | 19.00 | 60.04 | 1.92 | 19.00 | 19.00 | 2.68 | 2.68 | 19.00 | 6.02 | 60.04 | 19.00 | 19.00 | 1.92 |
| Bromide | mg/L | n/v | n/v | n/v | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| Chloride | mg/L | n/v | 640$^{D}$ 120$^{E}$ | n/v | <0.50 | <0.50 | 0.64 | <0.50 | 0.60 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.56 |
| Cyanate | mg/L | n/v | n/v | n/v | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.43 | <0.20 | <0.20 |
| Cyanide | mg/L | 0.022/0.0052$_{s1}^{C}$ | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | **0.0154**$^{E}$ | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Free) | mg/L | 0.022/0.0052$_{s1}^{B}$ | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Weak Acid Dissociable) | mg/L | n/v | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Dissolved Organic Carbon (DOC) | mg/L | n/v | n/v | n/v | 8.23 | 8.13 | 8.28 | 9.01 | 9.46 | 9.8 | 10.2 | 11.3 | 9.47 | 8.22 | 14 | 12.8 | 13.4 |
| Electrical Conductivity, Lab | µS/cm | n/v | n/v | n/v | 29.6 | 30.7 | 33.1 | 32.0 | 32.7 | 32.9 | 35.1 | 34.4 | 34.6 | 29.6 | 77.3 | 97.0 | 98.6 |
| Fluoride | mg/L | n/v | 0.12$^{E}$ | n/v | 0.073 | 0.074 | 0.075 | 0.075 | 0.079 | 0.075 | 0.073 | 0.069 | 0.079 | 0.074 | 0.048 | 0.050 | 0.055 |
| Hardness (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | 13.9 | 14.0 | 14.4 | - | - | - | - |
| Hardness (as CaCO3), dissolved | mg/L | n/v | n/v | n/v | 11.1 | 12.4 | 12.1 | 10.9 | 12.5 | 13.6 | 14.2 | 14.9 | 13.1 | 12.0 | 38.2 | 45.9 | 52.3 |
| Nitrate (as N) | mg/L | 13$^{C}$ | 124$^{D}$ 3.0$^{E}$ | n/v | 0.102 | 0.068 | 0.080 | 0.092 | 0.096 | 0.023 | 0.030 | 0.045 | 0.057 | 0.084 | 0.057 | 0.049 | 0.326 |
| Nitrate + Nitrite (as N) | mg/L | 10$^{B}$ 10$^{C}$ | n/v | n/v | 0.102 | 0.0680 | 0.0800 | 0.0920 | 0.0960 | 0.0230 | 0.0300 | 0.0450 | 0.0570 | 0.0840 | 0.0570 | 0.0490 | 0.326 |
| Nitrite (as N) | mg/L | 0.06$^{C}$ | 0.06$^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| pH, lab | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v | 7.02 | 7.08 | 6.75 | 7.27 | 7.03 | 7.30 | 7.32 | 7.07 | 6.99 | 6.99 | 7.47 | 7.20 | 7.58 |
| Phosphorus, Total | mg/L | 0.025$^{A}$ | n/v | n/v | 0.0163 | 0.0175 | 0.0147 | 0.0107 | 0.0116 | 0.0151 | 0.0121 | 0.0135 | 0.0131 | 0.0110 | 0.0093 | 0.0142 | **0.0376**$^{A}$ |
| Phosphorus, Total (Dissolved) | mg/L | n/v | n/v | n/v | 0.0077 | 0.0094 | - | 0.0058 | 0.0063 | 0.0055 | 0.0056 | 0.0066 | 0.0074 | 0.0070 | 0.0063 | - | 0.0173 |
| Sulfate | mg/L | n/v | n/v | n/v | 0.83 | 0.75 | 1.54 | 0.72 | 1.09 | 0.93 | 0.58 | 0.84 | 0.70 | 0.74 | 0.65 | 0.63 | 1.88 |
| Thiocyanate | mg/L | n/v | n/v | n/v | <0.50 | <0.50 SFT | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 SFT |
| Total Dissolved Solids | mg/L | n/v | n/v | n/v | 29.6 | 23.4 | 23.3 | 27.9 | 28.1 | 23.7 | 23.7 | 21.4 | 23.3 | 32.8 | 46.9 | 73.6 | 68.6 |
| Total Kjeldahl Nitrogen | mg/L | n/v | n/v | n/v | 0.358 | 0.292 | 0.324 | 0.297 | 0.308 | 0.329 | 0.436 | 0.331 | 0.328 | 0.307 | 0.693 | 0.928 | 0.645 |
| Total Organic Carbon | mg/L | n/v | n/v | n/v | 8.48 | 8.58 | 8.27 | 8.55 | 8.64 | 9.06 | 10.2 | 9.74 | 9.68 | 8.96 | 12.2 | 15.0 | 13.3 |
| Total Suspended Solids | mg/L | $_{SN}^{BC}$ | $_{SN}^{E}$ | n/v | 5.1 | <1.0 | <1.0 | <1.0 | 1.0 | 2.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 2.2 | 3.8 |
| Turbidity, Lab | NTU | n/v | n/v | n/v | 0.64 | 0.81 | 0.61 | 0.71 | 0.94 | 2.15 | 1.29 | 1.73 | 0.78 | 0.70 | 0.47 | 0.52 | 1.70 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQF42 | AQF44 | | | | | | | | AQF45 | AQF46 | | AQF47 |
| Sample Date | | | | | 22-Jan-25 | 22-Jan-25 | 26-Feb-25 | 20-Mar-25 | 24-Apr-25 | 22-May-25 | 26-Oct-25 | 24-Nov-25 | 15-Dec-25 | 22-Jan-25 | 22-Jan-25 | 27-Feb-25 | 22-Jan-25 |
| Sample ID | | | | | AQF42 | AQF44 | AQF44 | AQF44 | AQF44 | AQF44 | AQF44 | AQF44 | AQF44 | AQF45 | AQF46 | AQF46 | AQF47 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2501015 | WP2501015 | WP2502751 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521492 | WP2501015 | WP2501015 | WP2502751 | WP2501015 |
| Laboratory Sample ID | | | | | WP2501015-015 | WP2501015-014 | WP2502751-011 | WP2503851-028 | WP2505523-013 | WP2507298-007 | WP2518837-040 | WP2520511-023 | WP2521492-014 | WP2501015-013 | WP2501015-019 | WP2502751-021 | WP2501015-022 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | |
| **Metals, Dissolved** | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | n/v | n/v | n/v | 0.0146 | 0.0140 | 0.0137 | 0.0124 | 0.0136 | 0.0176 | 0.0088 | 0.0326 | 0.0133 | 0.0158 | 0.0123 | 0.0109 | 0.0046 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | 0.34/0.15$_{s2}^{BC}$ | n/v | n/v | 0.00018 | 0.00014 | 0.00014 | <0.00010 | 0.00014 | 0.00015 | 0.00018 | 0.00016 | 0.00016 | 0.00016 | 0.00029 | 0.00029 | 0.00025 |
| Barium | mg/L | n/v | n/v | n/v | 0.00547 | 0.00584 | 0.00602 | 0.00529 | 0.00618 | 0.00492 | 0.00508 | 0.00534 | 0.00563 | 0.00555 | 0.0107 | 0.0131 | 0.00665 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | n/v | n/v | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000100 | <0.0000050 |
| **MSOG Cadmium Guideline (Chronic)** | | | | | 0.00005 | 0.00006 | 0.00006 | 0.00005 | 0.00006 | 0.00006 | 0.00006 | 0.00007 | 0.00006 | 0.00006 | 0.00013 | 0.00014 | 0.00016 |
| **MSOG Cadmium Guideline (Acute)** | | | | | 0.00024 | 0.00026 | 0.00026 | 0.00023 | 0.00027 | 0.00029 | 0.00030 | 0.00032 | 0.00030 | 0.00026 | 0.00079 | 0.00094 | 0.00107 |
| Calcium | mg/L | n/v | n/v | n/v | 3.05 | 3.39 | 3.31 | 2.88 | 3.34 | 3.65 | 3.81 | 3.89 | 3.35 | 3.27 | 11.3 | 13.8 | 15.6 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| **MSOG Chromium Guideline (Chronic)** | | | | | 0.00293 | 0.00310 | 0.00306 | 0.00290 | 0.00311 | 0.00325 | 0.00332 | 0.00340 | 0.00334 | 0.00305 | 0.00546 | 0.00599 | 0.00639 |
| Cobalt | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00023 RRV | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Copper | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s2}^{F}$ | **0.00122$^{F}$** | **0.00140$^{F}$** | **0.00148 RRV$^{BC}$** | 0.00032 | 0.00033 | 0.00030 | 0.00033 | 0.00028 | 0.00041 | **0.00250$^{BCF}$** | 0.00028 | 0.00130 RRV | 0.00041 |
| **MSOG Copper Guideline (Chronic)** | | | | | 0.00137 | 0.00150 | 0.00147 | 0.00135 | 0.00151 | 0.00163 | 0.00169 | 0.00176 | 0.00171 | 0.00146 | 0.00394 | 0.00460 | 0.00515 |
| **MSOG Copper Guideline (Acute)** | | | | | 0.0017 | 0.0019 | 0.0018 | 0.0017 | 0.0019 | 0.0021 | 0.0021 | 0.0022 | 0.0022 | 0.0018 | 0.0054 | 0.0065 | 0.0073 |
| **FEQG Copper Guideline (Chronic)** | | | | | 0.0011 | 0.0008 | 0.0065 | 0.0012 | 0.0018 | 0.0056 | 0.0053 | 0.0035 | 0.0061 | 0.0007 | 0.0020 | 0.0030 | 0.0162 |
| Iron | mg/L | n/v | n/v | n/v | 0.085 | 0.080 | 0.106 | 0.104 | 0.110 | 0.086 | 0.052 | 0.104 | 0.070 | 0.102 | 0.061 | 0.163 | 0.054 |
| Lead | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s3}^{F}$ | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| **MSOG Lead Guideline (Chronic)** | | | | | 0.00022 | 0.00024 | 0.00024 | 0.00021 | 0.00025 | 0.00027 | 0.00029 | 0.00030 | 0.00029 | 0.00024 | 0.00087 | 0.00107 | 0.00123 |
| **MSOG Lead Guideline (Acute)** | | | | | 0.00553 | 0.00627 | 0.00610 | 0.00541 | 0.00633 | 0.00697 | 0.00732 | 0.00773 | 0.00743 | 0.00604 | 0.02233 | 0.02740 | 0.03168 |
| **FEQG Lead Guideline (Chronic)** | | | | | 0.0076 | 0.0078 | 0.0078 | 0.0080 | 0.0084 | 0.0087 | 0.0090 | 0.0096 | 0.0087 | 0.0078 | 0.0131 | 0.0130 | 0.0137 |
| Lithium | mg/L | n/v | n/v | n/v | 0.0013 | 0.0013 | 0.0013 | <0.0010 | 0.0015 | 0.0011 | <0.0010 | 0.0021 | <0.0010 | 0.0012 | <0.0010 | <0.0010 | 0.0011 |
| Magnesium | mg/L | n/v | n/v | n/v | 0.838 | 0.951 | 0.937 | 0.907 | 1.01 | 1.09 | 1.14 | 1.26 | 1.14 | 0.922 | 2.43 | 2.79 | 3.24 |
| Manganese | mg/L | n/v | Equation*$_{EQ3,EQ4}^{DE}$ | n/v | 0.00331 | 0.00266 | 0.00414 | 0.00462 | 0.00785 | 0.0123 | 0.00326 | 0.00570 | 0.00256 | 0.00291 | 0.0687 | 0.127 | 0.00723 |
| **CCME Manganese Guideline (Chronic)** | | | | | 0.250 | 0.230 | 0.200 | 0.240 | 0.230 | 0.230 | 0.260 | 0.260 | 0.250 | 0.260 | 0.310 | 0.330 | 0.490 |
| **CCME Manganese Guideline (Acute)** | | | | | 0.966 | 1.065 | 1.042 | 0.951 | 1.072 | 1.155 | 1.199 | 1.251 | 1.214 | 1.035 | 2.860 | 3.360 | 3.768 |
| Mercury | mg/L | n/v | n/v | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | n/v | n/v | 0.000024 | 0.000029 | 0.000024 | <0.000080 DLM | 0.000049 | 0.000055 | - | - | - | 0.000028 | <0.000080 DLB | 0.000230 DTC | 0.000199 |
| Molybdenum | mg/L | n/v | n/v | n/v | 0.000068 | 0.000072 | 0.000056 | 0.000056 | 0.000058 | 0.000095 | 0.000109 | 0.000093 | 0.000079 | 0.000078 | 0.000091 | 0.000090 | 0.000218 |
| Nickel | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00067 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| **MSOG Nickel Guideline (Chronic)** | | | | | 0.008 | 0.009 | 0.009 | 0.008 | 0.009 | 0.010 | 0.010 | 0.010 | 0.010 | 0.009 | 0.023 | 0.027 | 0.030 |
| **MSOG Nickel Guideline (Acute)** | | | | | 0.073 | 0.080 | 0.078 | 0.072 | 0.081 | 0.087 | 0.090 | 0.094 | 0.091 | 0.078 | 0.207 | 0.242 | 0.271 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 0.562 | 0.583 | 0.572 | 0.514 | 0.593 | 0.623 | 0.597 | 0.644 | 0.642 | 0.587 | 0.863 | 0.898 | 0.753 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00099 | 0.00093 | 0.00104 | 0.00091 | 0.00108 | 0.00098 | 0.00096 | 0.00098 | 0.00099 | 0.00106 | 0.00121 | 0.00136 | 0.00093 |
| Selenium | mg/L | n/v | n/v | n/v | 0.000149 | <0.000050 | <0.000050 | 0.000077 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000080 | 0.000081 | <0.000050 |
| Silicon | mg/L | n/v | n/v | n/v | 2.29 | 2.36 | 2.51 | 2.48 | 2.34 | 2.29 | 2.03 | 2.56 | 2.85 | 2.37 | 0.838 | 1.22 | 2.93 |
| Silver | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 1.96 | 1.26 | 1.34 | 1.32 | 1.37 | 1.38 | 1.61 | 1.39 | 1.52 | 1.55 | 1.61 | 1.59 | 2.49 RRV |
| Strontium | mg/L | n/v | n/v | 2.5$^{F}$ | 0.0130 | 0.0137 | 0.0145 | 0.0130 | 0.0144 | 0.0137 | 0.0133 | 0.0144 | 0.0141 | 0.0137 | 0.0193 | 0.0244 | 0.0260 |
| Sulfur | mg/L | n/v | n/v | n/v | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.55 | <0.50 | <0.50 | <0.50 | <0.50 | 0.77 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | n/v | n/v | n/v | 0.000017 | 0.000016 | 0.000014 | 0.000014 | 0.000024 | 0.000017 | 0.000018 | 0.000020 | 0.000018 | 0.000015 | <0.000010 | <0.000010 | 0.000013 |
| Vanadium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | Equation*$_{s5}^{BC}$ | Equation*$_{EQ1,EQ2}^{DE}$ | n/v | 0.0024 | 0.0044 | 0.0028 | <0.0010 | <0.0010 | 0.0010 | 0.0011 | <0.0010 | <0.0010 | 0.0016 | <0.0010 | 0.0032 | 0.0011 |
| **MSOG Zinc Guideline (Chronic)** | | | | | 0.018 | 0.020 | 0.020 | 0.018 | 0.020 | 0.022 | 0.023 | 0.024 | 0.023 | 0.020 | 0.052 | 0.061 | 0.068 |
| **MSOG Zinc Guideline (Acute)** | | | | | 0.018 | 0.020 | 0.020 | 0.018 | 0.020 | 0.022 | 0.022 | 0.023 | 0.023 | 0.019 | 0.052 | 0.061 | 0.068 |
| **CCME Zinc Guideline (Chronic)** | | | | | 0.008 | 0.008 | 0.010 | 0.006 | 0.009 | 0.008 | 0.008 | 0.011 | 0.010 | 0.008 | 0.021 | 0.030 | 0.025 |
| **CCME Zinc Guideline (Acute)** | | | | | 0.021 | 0.023 | 0.022 | 0.021 | 0.024 | 0.026 | 0.027 | 0.029 | 0.027 | 0.022 | 0.066 | 0.076 | 0.085 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQF42 | AQF44 | | | | | | | | AQF45 | AQF46 | | AQF47 |
| Sample Date | | | | | 22-Jan-25 | 22-Jan-25 | 26-Feb-25 | 20-Mar-25 | 24-Apr-25 | 22-May-25 | 26-Oct-25 | 24-Nov-25 | 15-Dec-25 | 22-Jan-25 | 22-Jan-25 | 27-Feb-25 | 22-Jan-25 |
| Sample ID | | | | | AQF42 | AQF44 | AQF44 | AQF44 | AQF44 | AQF44 | AQF44 | AQF44 | AQF44 | AQF45 | AQF46 | AQF46 | AQF47 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2501015 | WP2501015 | WP2502751 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521492 | WP2501015 | WP2501015 | WP2502751 | WP2501015 |
| Laboratory Sample ID | | | | | WP2501015-015 | WP2501015-014 | WP2502751-011 | WP2503851-028 | WP2505523-013 | WP2507298-007 | WP2518837-040 | WP2520511-023 | WP2521492-014 | WP2501015-013 | WP2501015-019 | WP2502751-021 | WP2501015-022 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | |
| **Metals, Total** | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | $0.005/0.1_{VAR}^{C}$ | $0.005/0.1_{VAR1}^{E}$ | Equation*$_{s1}^{F}$ | 0.0266 | 0.0282 | 0.0233 | 0.0235 | 0.0322 | 0.0572 | 0.0375 | **0.119$^{CE}$** | 0.0320 | 0.0308 | 0.0153 | 0.0387 | 0.0296 |
| FEQG Aluminum Guideline (Chronic) | | | | | 0.32 | 0.20 | 1.2 | 0.33 | 0.42 | 0.89 | 0.84 | 0.63 | 0.98 | 0.19 | 0.54 | 0.68 | 1.9 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00011 | <0.00010 | <0.00010 |
| Arsenic | mg/L | n/v | 0.005$^{E}$ | n/v | 0.00016 | 0.00015 | 0.00019 | 0.00016 | 0.00016 | 0.00016 | 0.00019 | 0.00019 | 0.00018 | 0.00012 | 0.00027 | 0.00034 | 0.00033 |
| Barium | mg/L | n/v | n/v | n/v | 0.00577 | 0.00582 | 0.00618 | 0.00612 | 0.00636 | 0.00574 | 0.00574 | 0.00672 | 0.00590 | 0.00575 | 0.0110 | 0.0142 | 0.00829 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | $29/1.5_{s3}^{C}$ | $29^{D}$ $1.5^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | n/v | $0.001_{STB}^{D}$ $0.00009_{LTG}^{E}$ | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000058 | <0.0000050 | <0.0000050 |
| CCME Cadmium Guideline (Chronic) | | | | | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00007 | 0.00008 | 0.00009 |
| CCME Cadmium Guideline (Acute) | | | | | 0.00022 | 0.00025 | 0.00025 | 0.00022 | 0.00025 | 0.00028 | 0.00029 | 0.00030 | 0.00029 | 0.00024 | 0.00079 | 0.00095 | 0.00109 |
| Calcium | mg/L | n/v | n/v | n/v | 2.97 | 3.42 | 3.28 | 3.42 | 3.44 | 3.61 | 3.76 | 3.53 | 3.82 | 3.29 | 11.9 | 14.2 | 15.2 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | 0.000012 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Chromium (Hexavalent) | mg/L | n/v | 0.001$^{E}$ | 0.005$^{F}$ | <0.00050 | **0.00208 RRV$^{E}$** | <0.00050 | 0.00075 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Cobalt | mg/L | n/v | n/v | Equation*$_{s4}^{F}$ | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00014 |
| FEQG Cobalt Guideline (Chronic) | | | | | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 |
| Copper | mg/L | n/v | Equation*$_{EQ6}^{E}$ | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00117 |
| CWQG Copper Guideline (Chronic) | | | | | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| Iron | mg/L | 0.3$^{C}$ | 0.3$^{E}$ | Equation*$_{s5}^{F}$ | 0.145 | 0.140 | 0.154 | 0.157 | 0.207 | 0.245 | 0.145 | 0.280 | 0.151 | 0.144 | 0.078 | 0.237 | **0.354$^{CE}$** |
| FEQG Iron Guideline (Chronic) | | | | | 0.65 | 0.63 | 0.65 | 0.71 | 0.71 | 0.74 | 0.76 | 0.80 | 0.71 | 0.63 | 0.79 | 0.80 | 0.76 |
| Lead | mg/L | n/v | Equation*$_{EQ5}^{E}$ | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000051 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| CWQG Lead Guideline (Chronic) | | | | | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Lithium | mg/L | n/v | n/v | n/v | 0.0013 | 0.0014 | 0.0010 | <0.0010 | <0.0010 | 0.0010 | 0.0011 | 0.0013 | 0.0017 | 0.0013 | 0.0011 | 0.0013 | 0.0012 |
| Magnesium | mg/L | n/v | n/v | n/v | 0.908 | 1.02 | 0.970 | 0.954 | 1.01 | 1.00 | 1.09 | 1.25 | 1.18 | 0.971 | 2.40 | 2.93 | 3.23 |
| Manganese | mg/L | n/v | n/v | n/v | 0.00748 | 0.00745 | 0.00730 | 0.00842 | 0.0104 | 0.0257 | 0.0146 | 0.0180 | 0.00856 | 0.00706 | 0.0723 | 0.247 | 0.110 |
| Mercury | mg/L | 0.000026$^{C}$ | 0.000026$^{E}$ | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | 0.004$^{E}$ | n/v | 0.000032 | - | <0.000020 | 0.000033 | 0.000050 | 0.000049 | - | - | - | 0.000034 | 0.000050 | <0.000080 DLIS DTC | 0.000162 |
| Molybdenum | mg/L | 0.073$^{C}$ | 0.073$^{E}$ | n/v | 0.000093 | 0.000108 | <0.000050 | 0.000067 | 0.000077 | 0.000089 | 0.000111 | 0.000095 | 0.000117 | 0.000114 | 0.000098 | 0.000065 | 0.000260 |
| Nickel | mg/L | n/v | Equation*$_{EQ7}^{E}$ | n/v | 0.00099 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| CWQG Nickel Guideline (Chronic) | | | | | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.160 |
| Potassium | mg/L | n/v | n/v | n/v | 0.582 | 0.587 | 0.604 | 0.547 | 0.648 | 0.602 | 0.571 | 0.662 | 0.615 | 0.584 | 0.855 | 0.957 | 0.951 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00098 | 0.00116 | 0.00111 | 0.00110 | 0.00114 | 0.00105 | 0.00112 | 0.00125 | 0.00103 | 0.00126 | 0.00114 | 0.00130 | 0.00097 |
| Selenium | mg/L | 0.001$^{C}$ | 0.001$^{E}$ | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000060 | 0.000070 | <0.000050 | 0.000220 | 0.000069 | <0.000050 |
| Silicon | mg/L | n/v | n/v | n/v | 2.38 | 2.53 | 2.49 | 2.48 | 2.53 | 2.26 | 2.06 | 2.69 | 2.87 | 2.53 | 1.07 | 1.30 | 3.44 |
| Silver | mg/L | 0.0001$^{C}$ | 0.00025$^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 3.92 | 1.32 | 1.30 | 2.21 | 1.36 | 1.26 | 1.27 | 1.42 | 1.42 | 1.37 | 1.52 | 1.65 | 1.83 |
| Strontium | mg/L | n/v | n/v | n/v | 0.0137 | 0.0142 | 0.0142 | 0.0148 | 0.0158 | 0.0137 | 0.0141 | 0.0142 | 0.0140 | 0.0136 | 0.0207 | 0.0238 | 0.0282 |
| Sulfur | mg/L | n/v | n/v | n/v | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.64 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | 0.0008$^{C}$ | 0.0008$^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00011 |
| Titanium | mg/L | n/v | n/v | n/v | 0.00049 | 0.00090 | 0.00049 | 0.00062 | 0.00106 | 0.00228 | 0.00132 | 0.00459 | 0.00073 | 0.00097 | <0.00030 | 0.00142 | 0.00137 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | $0.033/0.015_{s4}^{C}$ | $0.033^{D}$ $0.015^{E}$ | n/v | 0.000015 | 0.000022 | 0.000019 | 0.000018 | 0.000021 | 0.000022 | 0.000025 | 0.000033 | 0.000024 | 0.000017 | <0.000010 | <0.000010 | 0.000014 |
| Vanadium | mg/L | n/v | n/v | 0.12$^{F}$ | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | n/v | n/v | n/v | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | 0.0043 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | 0.00021 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Location** | | | | | AQF47A | | | | | | | AQF48 | | | |
| **Sample Date** | | | | | 28-Feb-25 | 19-Mar-25 | 24-Apr-25 | 22-May-25 | 25-Oct-25 | 24-Nov-25 | 16-Dec-25 | 22-Jan-25 | 25-Oct-25 | 23-Nov-25 | 15-Dec-25 |
| **Sample ID** | | | | | AQF47A | AQF47A | AQF47A | AQF47A | AQF47A | AQF47A | AQF47A | AQF48 | AQF48 | AQF48 | AQF48 |
| **Sampling Company** | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| **Laboratory** | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| **Laboratory Work Order** | | | | | WP2502936 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521634 | WP2501015 | WP2518837 | WP2520511 | WP2521492 |
| **Laboratory Sample ID** | | | | | WP2502936-003 | WP2503851-009 | WP2505523-027 | WP2507298-003 | WP2518837-034 | WP2520511-028 | WP2521634-001 | WP2501015-020 | WP2518837-033 | WP2520511-021 | WP2521492-019 |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** | | | | | | | | | | | |
| **Field Parameters** | | | | | | | | | | | | | | | |
| Dissolved Oxygen, Field | mg/L | >6.0$^{BC}$ | >6.5$_{VAR}^{E}$ | n/v | 10.19 | **4.52**$^{BCE}$ | 9.97 | 9.46 | 11.3 | 11.89 | 11.59 | 11.38 | 11.8 | 10.93 | 6.78 |
| Electrical Conductivity, Field | mS/cm | n/v | n/v | n/v | 8.5 | - | 58.6 | 61.3 | 59.7 | 54.3 | 52.4 | 87.7 | 76.9 | 137.2 | 168 |
| Oxidation Reduction Potential, field | mV | n/v | n/v | n/v | 3.7 | 50.6 | 37.7 | 145.9 | 143.8 | 184 | 128.5 | 203.5 | 158.7 | 205.4 | 151.7 |
| pH, Field | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v | 7.01 | 6.61 | 6.53 | 7.08 | 6.89 | 6.94 | 7.3 | 6.94 | 7.53 | 6.97 | 6.89 |
| Specific Conductance, Field | µS/cm | n/v | n/v | n/v | 16.3 | 84.7 | 108.2 | 84.4 | 94.1 | 103.3 | 100 | - | 123.8 | 261.8 | 320.5 |
| Temperature, Field | deg C | n/v | n/v | n/v | -0.1 | 0.4 | 0.9 | 10.8 | 5.813 | 0.15 | 0.1 | -0.1 | 5.184 | 0.072 | 0.1 |
| Total Dissolved Solids, Field | mg/L | n/v | n/v | n/v | 11.00 | 55.25 | 70.85 | 53.96 | - | 66.9 | 65 | 110.00 | - | 170.16 | 208 |
| Turbidity, Field | NTU | n/v | n/v | n/v | - | 31.8 | 23 | 2.04 | - | 0 | 0.61 | 0.39 | - | 0 | 1.13 |
| **General Chemistry** | | | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | n/v | n/v | n/v | 24.2 | 16.7 | 3.6 | 3.0 | 12.9 | <2.0 | 4.0 | 5.0 | 2.0 | 4.3 | 9.5 |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | n/v | n/v | n/v | 77.2 | 46.4 | 29.7 | 42.7 | 52.5 | 51.0 | 50.1 | 130 | 57.0 | 115 | 143 |
| Alkalinity, Carbonate (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Phenolphthalein | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Total (as CaCO3) | mg/L | n/v | n/v | n/v | 77.2 | 46.4 | 29.7 | 42.7 | 52.5 | 51.0 | 50.1 | 130 | 57.0 | 115 | 143 |
| Ammonia (as N) | mg/L | Equation*$_{TBC}^{BC}$ | 0.0173/190$_{TBC2}^{E}$ | n/v | 0.209 | 0.226 | 0.0647 | 0.0091 | 0.0056 | 0.0144 | 0.0303 | 0.100 | 0.0159 | 0.0331 | 0.144 |
| **MSOG Ammonia Guideline (Chronic)** | | | | | 5.89 | 6.55 | 6.64 | 5.72 | 6.14 | 6.04 | 5.08 | 6.04 | 4.25 | 5.98 | 6.14 |
| **CCME Ammonia Guideline (Chronic)** | | | | | 19.00 | 19.00 | 60.04 | 8.47 | 12.58 | 19.00 | 6.02 | 19.00 | 3.98 | 19.00 | 19.00 |
| Bromide | mg/L | n/v | n/v | n/v | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| Chloride | mg/L | n/v | 640$^{D}$ 120$^{E}$ | n/v | 1.68 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.03 | 0.60 | 1.06 | 3.64 |
| Cyanate | mg/L | n/v | n/v | n/v | 0.92 | 0.28 | 0.21 | <0.20 | <0.20 | <0.20 | <0.20 | 0.20 | <0.20 | <0.20 | <0.20 |
| Cyanide | mg/L | 0.022/0.0052$_{s1}^{C}$ | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0011 |
| Cyanide (Free) | mg/L | 0.022/0.0052$_{s1}^{B}$ | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Weak Acid Dissociable) | mg/L | n/v | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Dissolved Organic Carbon (DOC) | mg/L | n/v | n/v | n/v | 18.5 | 12.6 | 9.71 RRV | 13.9 | 23.8 | 14.7 | 13.1 | 13.7 | 12.8 | 15.2 | 15.5 |
| Electrical Conductivity, Lab | µS/cm | n/v | n/v | n/v | 170 | 110 | 60.8 | 91.1 | 106 | 104 | 96.5 | 226 | 131 | 279 | 341 |
| Fluoride | mg/L | n/v | 0.12$^{E}$ | n/v | 0.070 | 0.056 | 0.026 | 0.054 | 0.069 | 0.055 | 0.054 | 0.078 | 0.089 | 0.078 | 0.087 |
| Hardness (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | - | 65.7 | 47.7 | 54.5 | - | 62.8 | 129 | 159 |
| Hardness (as CaCO3), dissolved | mg/L | n/v | n/v | n/v | 72.7 | 52.4 | 33.9 | 45.0 | 68.1 | 53.3 | 49.3 | 138 | 62.4 | 136 | 152 |
| Nitrate (as N) | mg/L | 13$^{C}$ | 124$^{D}$ 3.0$^{E}$ | n/v | 1.47 | 0.043 | <0.020 | <0.020 | <0.020 | <0.020 | 0.030 | 0.068 | <0.020 | 0.118 | 0.257 |
| Nitrate + Nitrite (as N) | mg/L | 10$^{B}$ 10$^{C}$ | n/v | n/v | 1.47 | 0.0430 | <0.0224 | <0.0224 | <0.022 | <0.022 | 0.0300 | 0.0680 | <0.022 | 0.118 | 0.257 |
| Nitrite (as N) | mg/L | 0.06$^{C}$ | 0.06$^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| pH, lab | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v | 7.10 | 7.66 | 7.00 | 7.74 | 7.76 | 7.48 | 7.41 | 7.91 | 7.87 | 7.54 | 7.24 |
| Phosphorus, Total | mg/L | 0.025$^{A}$ | n/v | n/v | **1.64**$^{A}$ | **0.331**$^{A}$ | **0.142**$^{A}$ | 0.0222 | **0.0689**$^{A}$ | 0.0184 | 0.0161 | 0.0180 | 0.0164 | 0.0112 | 0.0206 |
| Phosphorus, Total (Dissolved) | mg/L | n/v | n/v | n/v | 0.0291 | 0.0372 | 0.0296 | 0.0068 | 0.0383 | 0.0073 | 0.0052 | 0.0111 | 0.0075 | 0.0069 | 0.0106 |
| Sulfate | mg/L | n/v | n/v | n/v | 3.46 | 1.22 | 0.34 | 1.31 | 0.79 | 1.44 | 1.59 | 24.0 | 6.57 | 32.7 | 34.8 |
| Thiocyanate | mg/L | n/v | n/v | n/v | <0.50 SFT | 0.57 SFT | <0.50 | <0.50 SP | 0.65 PHA | <0.50 | <0.50 | 0.52 SFT | <0.50 | <0.50 | <0.50 |
| Total Dissolved Solids | mg/L | n/v | n/v | n/v | 114 | 95.9 | 54.7 | 66.9 | 69.7 | 57.0 | 77.3 | 171 | 73.0 | 182 | 233 |
| Total Kjeldahl Nitrogen | mg/L | n/v | n/v | n/v | 17.5 | 2.58 | 1.25 | 0.472 | 0.708 | 0.471 | 0.425 | 0.639 | 0.526 | 0.490 | 0.684 |
| Total Organic Carbon | mg/L | n/v | n/v | n/v | 67.3 | 19.5 | 7.34 RRV | 12.6 | 23.9 | 13.8 | 13.9 | 13.8 | 13.0 | 14.7 | 15.9 |
| Total Suspended Solids | mg/L | $_{SN}^{BC}$ | $_{SN}^{E}$ | n/v | 425 AHT | 1,050 AHT | 70.2 AHT | 1.6 | 21.7 | 1.7 | 1.6 | 1.2 | <1.0 | <1.0 | <1.0 |
| Turbidity, Lab | NTU | n/v | n/v | n/v | 163 | 285 | 42.4 | 1.50 | 2.09 | 1.42 | 0.95 | 0.98 | 1.50 | 0.78 | 1.70 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Location** | | | | | AQF47A | | | | | | | AQF48 | | | |
| **Sample Date** | | | | | 28-Feb-25 | 19-Mar-25 | 24-Apr-25 | 22-May-25 | 25-Oct-25 | 24-Nov-25 | 16-Dec-25 | 22-Jan-25 | 25-Oct-25 | 23-Nov-25 | 15-Dec-25 |
| **Sample ID** | | | | | AQF47A | AQF47A | AQF47A | AQF47A | AQF47A | AQF47A | AQF47A | AQF48 | AQF48 | AQF48 | AQF48 |
| **Sampling Company** | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| **Laboratory** | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| **Laboratory Work Order** | | | | | WP2502936 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521634 | WP2501015 | WP2518837 | WP2520511 | WP2521492 |
| **Laboratory Sample ID** | | | | | WP2502936-003 | WP2503851-009 | WP2505523-027 | WP2507298-003 | WP2518837-034 | WP2520511-028 | WP2521634-001 | WP2501015-020 | WP2518837-033 | WP2520511-021 | WP2521492-019 |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** | | | | | | | | | | | |
| **Metals, Dissolved** | | | | | | | | | | | | | | | |
| Aluminum | mg/L | n/v | n/v | n/v | 0.0085 | 0.0072 | 0.0057 | 0.0063 | 0.0158 | 0.0058 | 0.0060 | 0.0110 | 0.0044 | 0.0093 | 0.0110 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | 0.34/0.15$_{s2}^{BC}$ | n/v | n/v | 0.00037 | 0.00039 | 0.00030 | 0.00021 | 0.00027 | 0.00026 | 0.00025 | 0.00045 | 0.00031 | 0.00036 | 0.00048 |
| Barium | mg/L | n/v | n/v | n/v | 0.0136 | 0.0105 | 0.00933 | 0.00648 | 0.0104 | 0.00721 | 0.00717 | 0.0195 | 0.00919 | 0.0174 | 0.0232 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | n/v | n/v | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000064 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000053 | <0.0000050 | <0.0000050 |
| **MSOG Cadmium Guideline (Chronic)** | | | | | 0.00020 | 0.00016 | 0.00012 | 0.00014 | 0.00019 | 0.00016 | 0.00016 | 0.00031 | 0.00018 | 0.00030 | 0.00034 |
| **MSOG Cadmium Guideline (Acute)** | | | | | 0.00148 | 0.00107 | 0.00070 | 0.00093 | 0.00139 | 0.00109 | 0.00112 | 0.00275 | 0.00128 | 0.00272 | 0.00316 |
| Calcium | mg/L | n/v | n/v | n/v | 21.4 | 16.2 | 10.2 | 13.5 | 16.9 | 15.6 | 14.6 | 38.6 | 16.6 | 36.2 | 40.7 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| **MSOG Chromium Guideline (Chronic)** | | | | | 0.00753 | 0.00640 | 0.00514 | 0.00593 | 0.00729 | 0.00645 | 0.00652 | 0.01037 | 0.00700 | 0.01029 | 0.01112 |
| Cobalt | mg/L | n/v | n/v | n/v | 0.00065 | 0.00014 | 0.00041 | <0.00010 | 0.00018 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00016 |
| Copper | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s2}^{F}$ | 0.00127 | 0.00046 | 0.00024 | 0.00034 | 0.00029 | 0.00029 | 0.00074 | 0.00086 | 0.00150 RRV | <0.00020 | 0.00020 |
| **MSOG Copper Guideline (Chronic)** | | | | | 0.00682 | 0.00516 | 0.00355 | 0.00453 | 0.00645 | 0.00523 | 0.00533 | 0.01179 | 0.00602 | 0.01165 | 0.01331 |
| **MSOG Copper Guideline (Acute)** | | | | | 0.0100 | 0.0073 | 0.0048 | 0.0063 | 0.0094 | 0.0074 | 0.0076 | 0.0182 | 0.0087 | 0.0180 | 0.0208 |
| **FEQG Copper Guideline (Chronic)** | | | | | 0.0082 | 0.0020 | 0.0010 | 0.0059 | 0.0081 | 0.0050 | 0.0081 | 0.0067 | 0.0115 | 0.0079 | 0.0072 |
| Iron | mg/L | n/v | n/v | n/v | 0.959 | 0.156 | 0.698 | 0.055 | 0.400 | 0.078 | 0.073 | 0.179 | 0.018 | 0.087 | 0.229 |
| Lead | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s3}^{F}$ | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| **MSOG Lead Guideline (Chronic)** | | | | | 0.00178 | 0.00124 | 0.00076 | 0.00104 | 0.00165 | 0.00126 | 0.00129 | 0.00357 | 0.00151 | 0.00351 | 0.00415 |
| **MSOG Lead Guideline (Acute)** | | | | | 0.04556 | 0.03174 | 0.01954 | 0.02681 | 0.04240 | 0.03235 | 0.03316 | 0.09154 | 0.03878 | 0.09011 | 0.10659 |
| **FEQG Lead Guideline (Chronic)** | | | | | 0.0173 | 0.0133 | 0.0106 | 0.0135 | 0.0195 | 0.0144 | 0.0136 | 0.0170 | 0.0139 | 0.0179 | 0.0187 |
| Lithium | mg/L | n/v | n/v | n/v | 0.0013 | <0.0010 | <0.0010 | <0.0010 | 0.0017 | 0.0019 | 0.0013 | 0.0025 | 0.0011 | 0.0037 | 0.0028 |
| Magnesium | mg/L | n/v | n/v | n/v | 4.67 | 2.89 | 2.04 | 2.74 | 6.28 | 3.49 | 3.11 | 10.2 | 5.08 | 11.1 | 12.2 |
| Manganese | mg/L | n/v | Equation*$_{EQ3,EQ4}^{DE}$ | n/v | **0.326$^{E}$** | 0.0788 | **0.653$^{E}$** | 0.0109 | 0.482 RRV | 0.0361 | 0.0139 | 0.213 | 0.00586 | 0.0385 | 0.412 |
| **CCME Manganese Guideline (Chronic)** | | | | | 0.320 | 0.500 | 0.330 | 0.330 | 0.490 | 0.490 | 0.490 | 0.570 | 0.490 | 0.570 | 0.750 |
| **CCME Manganese Guideline (Acute)** | | | | | 5.031 | 3.774 | 2.575 | 3.302 | 4.751 | 3.831 | 3.907 | 8.832 | 4.424 | 8.719 | 10.002 |
| Mercury | mg/L | n/v | n/v | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | n/v | n/v | 0.00271 | 0.00128 | 0.000297 | 0.000119 | - | 0.000158 | 0.000135 | 0.000345 | 0.000052 | 0.000123 | 0.000730 |
| Molybdenum | mg/L | n/v | n/v | n/v | 0.000352 | 0.000252 RRV | 0.000110 | 0.000242 | 0.000104 | 0.000245 | 0.000245 | 0.000238 | 0.000650 | 0.000359 | 0.000279 |
| Nickel | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | 0.00057 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| **MSOG Nickel Guideline (Chronic)** | | | | | 0.040 | 0.030 | 0.021 | 0.026 | 0.038 | 0.031 | 0.031 | 0.068 | 0.035 | 0.067 | 0.077 |
| **MSOG Nickel Guideline (Acute)** | | | | | 0.358 | 0.271 | 0.188 | 0.238 | 0.338 | 0.275 | 0.280 | 0.615 | 0.316 | 0.607 | 0.693 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 1.16 | 0.811 | 0.568 | 0.585 | 0.491 | 0.665 | 0.699 | 2.81 | 1.31 | 2.11 | 2.80 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00146 | 0.00132 | 0.00080 | 0.00074 | 0.00051 | 0.00075 | 0.00081 | 0.00234 | 0.00133 | 0.00209 | 0.00247 |
| Selenium | mg/L | n/v | n/v | n/v | 0.000060 | <0.000050 | 0.000061 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Silicon | mg/L | n/v | n/v | n/v | 5.07 | 3.50 | 1.56 | 2.40 | 6.09 | 3.17 | 3.15 | 3.76 | 0.445 | 2.96 | 4.00 |
| Silver | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 2.53 | 2.21 | 0.972 | 1.43 | 24.5 RRV | 2.12 | 1.78 | 5.57 | 3.28 | 5.87 | 6.61 |
| Strontium | mg/L | n/v | n/v | 2.5$^{F}$ | 0.0365 | 0.0294 | 0.0193 | 0.0233 | 0.0338 | 0.0266 | 0.0256 | 0.0860 | 0.0366 | 0.0780 | 0.0876 |
| Sulfur | mg/L | n/v | n/v | n/v | 0.82 | 0.81 | <0.50 | 0.60 | 0.75 | 0.79 | 0.73 | 8.42 | 2.70 | 10.8 | 12.3 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | 0.00042 RRV | 0.00018 | 0.00122 RRV | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | 0.00036 | <0.00030 | <0.00030 | <0.00030 | 0.00043 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | n/v | n/v | n/v | 0.000019 | 0.000012 | <0.000010 | 0.000012 | <0.000010 | 0.000012 | 0.000013 | 0.000154 | 0.000052 | 0.000135 | 0.000248 |
| Vanadium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | Equation*$_{s5}^{BC}$ | Equation*$_{EQ1,EQ2}^{DE}$ | n/v | 0.0028 | 0.0010 | 0.0019 | 0.0013 | 0.0037 | <0.0010 | 0.0014 | 0.0019 | 0.0032 | 0.0010 | 0.0012 |
| **MSOG Zinc Guideline (Chronic)** | | | | | 0.090 | 0.068 | 0.047 | 0.060 | 0.085 | 0.069 | 0.071 | 0.155 | 0.080 | 0.153 | 0.175 |
| **MSOG Zinc Guideline (Acute)** | | | | | 0.089 | 0.068 | 0.047 | 0.060 | 0.085 | 0.069 | 0.070 | 0.154 | 0.079 | 0.152 | 0.174 |
| **CCME Zinc Guideline (Chronic)** | | | | | 0.058 | 0.023 | 0.024 | 0.019 | 0.035 | 0.029 | 0.030 | 0.049 | 0.023 | 0.068 | 0.101 |
| **CCME Zinc Guideline (Acute)** | | | | | 0.121 | 0.084 | 0.055 | 0.076 | 0.122 | 0.089 | 0.088 | 0.192 | 0.098 | 0.195 | 0.223 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQF47A | | | | | | | AQF48 | | | |
| Sample Date | | | | | 28-Feb-25 | 19-Mar-25 | 24-Apr-25 | 22-May-25 | 25-Oct-25 | 24-Nov-25 | 16-Dec-25 | 22-Jan-25 | 25-Oct-25 | 23-Nov-25 | 15-Dec-25 |
| Sample ID | | | | | AQF47A | AQF47A | AQF47A | AQF47A | AQF47A | AQF47A | AQF47A | AQF48 | AQF48 | AQF48 | AQF48 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2502936 | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521634 | WP2501015 | WP2518837 | WP2520511 | WP2521492 |
| Laboratory Sample ID | | | | | WP2502936-003 | WP2503851-009 | WP2505523-027 | WP2507298-003 | WP2518837-034 | WP2520511-028 | WP2521634-001 | WP2501015-020 | WP2518837-033 | WP2520511-021 | WP2521492-019 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | |
| **Metals, Total** | | | | | | | | | | | | | | | |
| Aluminum | mg/L | $0.005/0.1_{VAR}^{C}$ | $0.005/0.1_{VAR1}^{E}$ | Equation*$_{s1}^{F}$ | **6.27 RHT**$^{CEF}$ | **0.784 RHT**$^{CEF}$ | **1.28 RHT**$^{CEF}$ | 0.0300 | 0.0281 | 0.0320 | 0.0352 | 0.0273 | 0.0331 | 0.0298 | 0.0476 |
| FEQG Aluminum Guideline (Chronic) | | | | | 0.93 | 0.60 | 0.41 | 0.88 | 0.83 | 0.81 | 1.1 | 1.1 | 1.4 | 1.1 | 1.1 |
| Antimony | mg/L | n/v | n/v | n/v | 0.00011 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00017 | <0.00010 | <0.00010 | 0.00024 |
| Arsenic | mg/L | n/v | $0.005^{E}$ | n/v | 0.00168 | 0.00064 | 0.00047 | 0.00024 | 0.00029 | 0.00026 | 0.00032 | 0.00041 | 0.00040 | 0.00037 | 0.00053 |
| Barium | mg/L | n/v | n/v | n/v | 0.0964 | 0.0444 | 0.0249 | 0.00730 | 0.00900 | 0.00918 | 0.00818 | 0.0196 | 0.00947 | 0.0180 | 0.0246 |
| Beryllium | mg/L | n/v | n/v | n/v | 0.000276 | 0.000062 | 0.000048 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | 0.000083 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | $29/1.5_{s3}^{C}$ | $29^{D}$ $1.5^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | n/v | $0.001_{STB}^{D}$ $0.00009_{LTG}^{E}$ | n/v | 0.0000847 | 0.0000388 | 0.0000169 | <0.0000050 | 0.0000069 | <0.0000050 | <0.0000050 | 0.0000061 | <0.0000050 | <0.0000050 | 0.0000960 |
| CCME Cadmium Guideline (Chronic) | | | | | 0.00012 | 0.00009 | 0.00006 | 0.00008 | 0.00012 | 0.00009 | 0.00010 | 0.00021 | 0.00011 | 0.00020 | 0.00023 |
| CCME Cadmium Guideline (Acute) | | | | | 0.00152 | 0.00109 | 0.00070 | 0.00093 | 0.00142 | 0.00111 | 0.00113 | 0.00291 | 0.00131 | 0.00287 | 0.00336 |
| Calcium | mg/L | n/v | n/v | n/v | 26.4 | 18.3 | 9.42 | 13.7 | 15.6 | 13.7 | 16.2 | 38.2 | 16.6 | 32.8 | 42.6 |
| Cesium | mg/L | n/v | n/v | n/v | 0.00102 | 0.000107 | 0.000208 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | 0.000011 |
| Chromium | mg/L | n/v | n/v | n/v | 0.0124 | 0.00132 | 0.00260 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Chromium (Hexavalent) | mg/L | n/v | $0.001^{E}$ | $0.005^{F}$ | 0.00058 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Cobalt | mg/L | n/v | n/v | Equation*$_{s4}^{F}$ | **0.00436**$^{F}$ | **0.00096**$^{F}$ | **0.00108**$^{F}$ | <0.00010 | 0.00014 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00013 |
| FEQG Cobalt Guideline (Chronic) | | | | | 0.0009 | 0.0008 | 0.0008 | 0.0008 | 0.0009 | 0.0008 | 0.0008 | 0.0012 | 0.0008 | 0.0012 | 0.0012 |
| Copper | mg/L | n/v | Equation*$_{EQ6}^{E}$ | n/v | **0.00829**$^{E}$ | **0.00384**$^{E}$ | **0.00230**$^{E}$ | <0.00050 | 0.00164 | 0.00062 | 0.00059 | 0.00088 | <0.00050 | <0.00050 | 0.00152 |
| CWQG Copper Guideline (Chronic) | | | | | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 0.002 | 0.003 | 0.004 |
| Iron | mg/L | $0.3^{C}$ | $0.3^{E}$ | Equation*$_{s5}^{F}$ | **10.7 RHT**$^{CEF}$ | **2.54 RHT**$^{CEF}$ | **2.59 RHT**$^{CEF}$ | 0.116 | **0.447**$^{CE}$ | 0.181 | 0.163 | 0.250 | 0.077 | 0.146 | **0.399**$^{CE}$ |
| FEQG Iron Guideline (Chronic) | | | | | 0.80 | 0.79 | 0.72 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.79 | 0.80 | 0.80 |
| Lead | mg/L | n/v | Equation*$_{EQ5}^{E}$ | n/v | **0.00291**$^{E}$ | 0.000801 | 0.000616 | <0.000050 | 0.000108 | <0.000050 | 0.000063 | 0.000114 | <0.000050 | <0.000050 | 0.000058 |
| CWQG Lead Guideline (Chronic) | | | | | 0.002 | 0.001 | 0.001 | 0.001 | 0.002 | 0.001 | 0.001 | 0.005 | 0.002 | 0.005 | 0.006 |
| Lithium | mg/L | n/v | n/v | n/v | 0.0102 | 0.0018 | 0.0019 | <0.0010 | 0.0021 | 0.0010 | 0.0016 | 0.0026 | 0.0016 | 0.0024 | 0.0034 |
| Magnesium | mg/L | n/v | n/v | n/v | 7.40 | 3.94 | 2.45 | 2.72 | 6.49 | 3.27 | 3.40 | 10.6 | 5.18 | 11.4 | 12.8 |
| Manganese | mg/L | n/v | n/v | n/v | 0.855 | 0.265 | 0.583 | 0.0192 | 0.293 | 0.0558 | 0.0323 | 0.196 | 0.0108 | 0.0383 | 0.429 |
| Mercury | mg/L | $0.000026^{C}$ | $0.000026^{E}$ | n/v | 0.0000075 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000072 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | $0.004^{E}$ | n/v | 0.00251 | 0.00208 | 0.000310 | 0.000111 | - | 0.000156 | - | 0.000318 | 0.000063 | 0.000161 | 0.000731 |
| Molybdenum | mg/L | $0.073^{C}$ | $0.073^{E}$ | n/v | 0.000878 | 0.000149 | 0.000196 | 0.000204 | 0.000148 | 0.000224 | 0.000274 | 0.000224 | 0.000716 | 0.000348 | 0.000311 |
| Nickel | mg/L | n/v | Equation*$_{EQ7}^{E}$ | n/v | 0.00977 | 0.00222 | 0.00187 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00051 | <0.00050 | <0.00050 | <0.00050 |
| CWQG Nickel Guideline (Chronic) | | | | | 0.075 | 0.025 | 0.025 | 0.025 | 0.071 | 0.025 | 0.025 | 0.122 | 0.067 | 0.121 | 0.136 |
| Phosphorus | mg/L | n/v | n/v | n/v | 1.16 | 0.613 | 0.304 | <0.050 | 0.060 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 2.92 | 1.37 | 0.914 | 0.620 | 0.467 | 0.669 | 0.698 | 2.69 | 1.30 | 2.10 | 2.71 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.0202 | 0.00456 | 0.00437 | 0.00082 | 0.00049 | 0.00077 | 0.00093 | 0.00195 | 0.00138 | 0.00203 | 0.00253 |
| Selenium | mg/L | $0.001^{C}$ | $0.001^{E}$ | n/v | 0.000214 | 0.000056 | 0.000093 | <0.000050 | 0.000061 | 0.000068 | 0.000087 | <0.000050 | 0.000080 | <0.000050 | 0.000113 |
| Silicon | mg/L | n/v | n/v | n/v | 16.5 | 4.57 | 3.86 | 2.55 | 5.64 | 3.34 | 3.41 | 4.40 | 0.49 | 2.89 | 4.01 |
| Silver | mg/L | $0.0001^{C}$ | $0.00025^{E}$ | n/v | 0.000021 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 5.49 | 1.79 | 0.907 | 1.43 | 2.68 | 2.25 | 1.92 | 5.89 | 3.00 | 5.66 | 6.81 |
| Strontium | mg/L | n/v | n/v | n/v | 0.0517 | 0.0376 | 0.0196 | 0.0244 | 0.0340 | 0.0267 | 0.0277 | 0.0830 | 0.0381 | 0.0741 | 0.0921 |
| Sulfur | mg/L | n/v | n/v | n/v | 1.87 | 0.59 | <0.50 | <0.50 | <0.50 | 0.77 | 0.67 | 8.89 | 2.66 | 11.1 | 12.6 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | $0.0008^{C}$ | $0.0008^{E}$ | n/v | 0.000119 | 0.000020 | 0.000020 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | 0.00098 | <0.00010 | 0.00020 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | 0.00026 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | 0.318 | 0.0276 | 0.0656 | 0.00126 | 0.00132 | 0.00130 | 0.00149 | 0.00071 | 0.00123 | 0.00115 | 0.00094 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | $0.033/0.015_{s4}^{C}$ | $0.033^{D}$ $0.015^{E}$ | n/v | 0.000495 | 0.000117 | 0.000095 | 0.000013 | <0.000010 | 0.000014 | 0.000016 | 0.000150 | 0.000059 | 0.000143 | 0.000263 |
| Vanadium | mg/L | n/v | n/v | $0.12^{F}$ | 0.0117 | 0.00251 | 0.00247 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | n/v | n/v | n/v | **0.0344**$^{E}$ | **0.0140**$^{E}$ | **0.0076**$^{E}$ | <0.0030 | 0.0036 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | 0.0031 |
| Zirconium | mg/L | n/v | n/v | n/v | 0.00162 | 0.00058 | 0.00056 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQF49 | | | | | | AQF50 | | | | | |
| Sample Date | | | | | 20-Mar-25 | 24-Apr-25 | 22-May-25 | 23-Oct-25 | 23-Nov-25 | 13-Dec-25 | 19-Mar-25 | 24-Apr-25 | 26-May-25 | 26-Oct-25 | 24-Nov-25 | 16-Dec-25 |
| Sample ID | | | | | AQF49 | AQF49 | AQF49 | AQF49 | AQF49 | AQF49 | AQF50 - Surface | AQF50 - surface | AQF50-Surface | AQF50-surface | AQF50-Surface | AQF50-Surface |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521492 | WP2503851 | WP2505523 | WP2507527 | WP2518837 | WP2520511 | WP2521634 |
| Laboratory Sample ID | | | | | WP2503851-021 | WP2505523-016 | WP2507298-008 | WP2518837-017 | WP2520511-015 | WP2521492-003 | WP2503851-010 | WP2505523-025 | WP2507527-001 | WP2518837-041 | WP2520511-029 | WP2521634-002 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | |
| **Field Parameters** | | | | | | | | | | | | | | | | |
| Dissolved Oxygen, Field | mg/L | >6.0$^{BC}$ | >6.5$_{VAR}^{E}$ | n/v | 10.31 | 8.71 | 10.95 | 10.49 | 14 | 13.49 | 9.15 | 11.22 | 11.86 | 11.92 | 13.85 | 13.68 |
| Electrical Conductivity, Field | mS/cm | n/v | n/v | n/v | - | 46.8 | 36.1 | 82.9 | 38.6 | 47.3 | 9.56 | 56.2 | 80.0 | 56.5 | 55.1 | 52.2 |
| Oxidation Reduction Potential, field | mV | n/v | n/v | n/v | 98.8 | 118.7 | 133.1 | 162.8 | 175.2 | 151.6 | 89.7 | 39.7 | 151.1 | 137.9 | 64.6 | 140.5 |
| pH, Field | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v | 6.88 | 6.95 | 7.28 | 7.03 | 7.4 | 7.36 | 7.1 | 8.51 | 6.80 | 7.42 | 7.31 | 7.64 |
| Specific Conductance, Field | µS/cm | n/v | n/v | n/v | 101.8 | 84.5 | 47.6 | 135.7 | 73.3 | 89.9 | 75.8 | 103.8 | 102.6 | 88.6 | 101.3 | 99 |
| Temperature, Field | deg C | n/v | n/v | n/v | 0.2 | 1.7 | 12.5 | 4.617 | 0.207 | 0.1 | 0.3 | 0.8 | 13.8 | 6.023 | 1.118 | 0.272 |
| Total Dissolved Solids, Field | mg/L | n/v | n/v | n/v | 66.3 | 54.6 | 30.55 | - | 47.62 | 59 | 49.4 | 66.95 | 65.65 | 58 | 66 | 64 |
| Turbidity, Field | NTU | n/v | n/v | n/v | 0.61 | 0.49 | - | - | 0.79 | 0.88 | 1.09 | 1.12 | - | - | - | 0.08 |
| **General Chemistry** | | | | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | n/v | n/v | n/v | 4.1 | 2.8 | <2.0 | 2.5 | 2.1 | <2.0 | 4.4 | <2.0 | 3.8 | 2.1 | <2.0 | 2.2 |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | n/v | n/v | n/v | 38.7 | 37.8 | 26.1 | 28.8 | 36.1 | 39.8 | 47.6 | 43.6 | 42.2 | 44.3 | 48.1 | 51.0 |
| Alkalinity, Carbonate (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Phenolphthalein | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Total (as CaCO3) | mg/L | n/v | n/v | n/v | 38.7 | 37.8 | 26.1 | 28.8 | 36.1 | 39.8 | 47.6 | 43.6 | 42.2 | 44.3 | 48.1 | 51.0 |
| Ammonia (as N) | mg/L | Equation*$_{TBC}^{BC}$ | 0.0173/190$_{TBC2}^{E}$ | n/v | 0.132 | 0.0188 | 0.0078 | 0.0073 | 0.0099 | 0.0331 | <0.0050 | 0.0188 | <0.0050 | 0.0093 | 0.0232 | 0.0223 |
| **MSOG Ammonia Guideline (Chronic)** | | | | | 6.16 | 6.02 | 5.14 | 5.84 | 4.73 | 4.87 | 5.67 | 1.07 | 6.29 | 4.66 | 5.04 | 3.82 |
| **CCME Ammonia Guideline (Chronic)** | | | | | 19.00 | 12.58 | 1.83 | 3.98 | 6.02 | 6.02 | 6.02 | 0.62 | 5.74 | 2.68 | 3.98 | 1.92 |
| Bromide | mg/L | n/v | n/v | n/v | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| Chloride | mg/L | n/v | 640$^{D}$ 120$^{E}$ | n/v | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Cyanate | mg/L | n/v | n/v | n/v | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| Cyanide | mg/L | 0.022/0.0052$_{s1}^{C}$ | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Free) | mg/L | 0.022/0.0052$_{s1}^{B}$ | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Weak Acid Dissociable) | mg/L | n/v | 0.005$^{E}$ | n/v | <0.0010 | 0.0027 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Dissolved Organic Carbon (DOC) | mg/L | n/v | n/v | n/v | 11.8 | 12.1 | 10.8 | 10 | 11.6 | 12.4 | 12.4 | 11.8 | 12.8 | 13.7 | 14.1 | 13.5 |
| Electrical Conductivity, Lab | µS/cm | n/v | n/v | n/v | 81.8 | 80.0 | 57.2 | 62.7 | 72.3 | 82.8 | 99.2 | 90.4 | 88.8 | 94.6 | 100 | 99.4 |
| Fluoride | mg/L | n/v | 0.12$^{E}$ | n/v | 0.048 | 0.048 | 0.042 | 0.035 | 0.046 | 0.044 | 0.054 | 0.048 | 0.053 | 0.055 | 0.055 | 0.058 |
| Hardness (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | 29.4 | 31.5 | 37.8 | - | - | - | 46.8 | 47.0 | 53.4 |
| Hardness (as CaCO3), dissolved | mg/L | n/v | n/v | n/v | 35.9 | 37.5 | 25.6 | 28.1 | 36.5 | 37.2 | 46.8 | 45.0 | 43.8 | 47.9 | 53.1 | 50.3 |
| Nitrate (as N) | mg/L | 13$^{C}$ | 124$^{D}$ 3.0$^{E}$ | n/v | 0.135 | 0.238 | 0.024 | 0.106 | 0.035 | 0.041 | 0.095 | 0.054 | <0.020 | <0.020 | <0.020 | 0.034 |
| Nitrate + Nitrite (as N) | mg/L | 10$^{B}$ 10$^{C}$ | n/v | n/v | 0.135 | 0.238 | 0.0240 | 0.106 | 0.0350 | 0.0410 | 0.0950 | 0.0540 | <0.0224 | <0.022 | <0.022 | 0.0340 |
| Nitrite (as N) | mg/L | 0.06$^{C}$ | 0.06$^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| pH, lab | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v | 7.77 | 7.38 | 7.59 | 7.38 | 7.46 | 7.33 | 7.86 | 7.76 | 7.84 | 7.83 | 7.78 | 7.62 |
| Phosphorus, Total | mg/L | 0.025$^{A}$ | n/v | n/v | 0.0078 | 0.0101 | 0.0127 | **0.175$^{A}$** | 0.0130 | 0.0137 | 0.0170 | 0.0151 | 0.0198 | 0.0220 | 0.0153 | 0.0074 |
| Phosphorus, Total (Dissolved) | mg/L | n/v | n/v | n/v | 0.0035 | 0.0036 | 0.0040 | 0.0038 | 0.0034 | 0.0088 | 0.0058 | 0.0056 | 0.0057 | 0.0057 | 0.0051 | 0.0055 |
| Sulfate | mg/L | n/v | n/v | n/v | 0.46 | 0.61 | 0.45 | 0.40 | 0.57 | 0.37 | 1.36 | 1.11 | 1.24 | 0.97 | 1.40 | 1.50 |
| Thiocyanate | mg/L | n/v | n/v | n/v | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Total Dissolved Solids | mg/L | n/v | n/v | n/v | 58.6 | 51.0 | 34.8 | 39.5 | 46.3 | 57.8 | 75.6 | 76.7 | 76.7 HTD | 69.0 | 59.0 | 60.7 |
| Total Kjeldahl Nitrogen | mg/L | n/v | n/v | n/v | 0.599 | 0.504 | 0.415 | 1.64 | 0.548 | 0.602 | 0.439 | 0.415 | 0.490 | 0.472 | 0.492 | 0.408 |
| Total Organic Carbon | mg/L | n/v | n/v | n/v | 11.3 | 11.1 | 9.53 | 15.2 | 12.1 | 13.0 | 13.5 | 11.2 | 11.3 | 13.1 | 14.1 | 13.8 |
| Total Suspended Solids | mg/L | $_{SN}^{BC}$ | $_{SN}^{E}$ | n/v | <1.0 | 1.5 | 1.2 | 53.6 | <1.0 | 3.2 | <1.0 | 1.4 | 1.3 | 1.5 | <1.0 | <1.0 |
| Turbidity, Lab | NTU | n/v | n/v | n/v | 0.54 | 0.35 | 0.64 | 12.4 | 0.72 | 1.01 | 0.81 | 0.63 | 1.28 | 1.48 | 0.94 | 0.57 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQF49 | | | | | | AQF50 | | | | | |
| Sample Date | | | | | 20-Mar-25 | 24-Apr-25 | 22-May-25 | 23-Oct-25 | 23-Nov-25 | 13-Dec-25 | 19-Mar-25 | 24-Apr-25 | 26-May-25 | 26-Oct-25 | 24-Nov-25 | 16-Dec-25 |
| Sample ID | | | | | AQF49 | AQF49 | AQF49 | AQF49 | AQF49 | AQF49 | AQF50 - Surface | AQF50 - surface | AQF50-Surface | AQF50-surface | AQF50-Surface | AQF50-Surface |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2503851 | WP2505523 | WP2507298 | WP2518837 | WP2520511 | WP2521492 | WP2503851 | WP2505523 | WP2507527 | WP2518837 | WP2520511 | WP2521634 |
| Laboratory Sample ID | | | | | WP2503851-021 | WP2505523-016 | WP2507298-008 | WP2518837-017 | WP2520511-015 | WP2521492-003 | WP2503851-010 | WP2505523-025 | WP2507527-001 | WP2518837-041 | WP2520511-029 | WP2521634-002 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | |
| **Metals, Dissolved** | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | n/v | n/v | n/v | 0.0036 | 0.0045 | 0.0084 | 0.0038 | 0.0049 | 0.0193 | 0.0014 | 0.0014 | 0.0048 | 0.0048 | 0.0027 | 0.0022 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | 0.34/0.15$_{s2}^{BC}$ | n/v | n/v | 0.00026 | 0.00026 | 0.00022 | 0.00022 | 0.00032 | 0.00033 | 0.00036 | 0.00027 | 0.00022 | 0.00027 | 0.00025 | 0.00028 |
| Barium | mg/L | n/v | n/v | n/v | 0.0119 | 0.0115 | 0.00775 | 0.00720 | 0.00779 | 0.0115 | 0.00860 | 0.00781 | 0.00566 | 0.00700 | 0.00748 | 0.00749 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | n/v | n/v | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| MSOG Cadmium Guideline (Chronic) | | | | | 0.00012 | 0.00012 | 0.00010 | 0.00010 | 0.00012 | 0.00013 | 0.00015 | 0.00014 | 0.00014 | 0.00015 | 0.00016 | 0.00016 |
| MSOG Cadmium Guideline (Acute) | | | | | 0.00074 | 0.00078 | 0.00053 | 0.00061 | 0.00076 | 0.00078 | 0.00096 | 0.00093 | 0.00090 | 0.00098 | 0.00109 | 0.00109 |
| Calcium | mg/L | n/v | n/v | n/v | 11.0 | 11.3 | 7.79 | 8.44 | 11.0 | 11.1 | 14.5 | 13.6 | 13.2 | 14.4 | 15.8 | 15.0 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| MSOG Chromium Guideline (Chronic) | | | | | 0.00529 | 0.00541 | 0.00446 | 0.00479 | 0.00534 | 0.00543 | 0.00604 | 0.00593 | 0.00585 | 0.00611 | 0.00644 | 0.00646 |
| Cobalt | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Copper | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s2}^{F}$ | 0.00033 | 0.00066 | 0.00028 | 0.00058 | 0.00026 | 0.00159 | 0.00031 | 0.00029 | 0.00024 | 0.00025 | 0.00023 | 0.00105 RRV |
| MSOG Copper Guideline (Chronic) | | | | | 0.00373 | 0.00387 | 0.00280 | 0.00315 | 0.00379 | 0.00390 | 0.00468 | 0.00453 | 0.00442 | 0.00477 | 0.00521 | 0.00524 |
| MSOG Copper Guideline (Acute) | | | | | 0.0051 | 0.0053 | 0.0037 | 0.0042 | 0.0052 | 0.0054 | 0.0066 | 0.0063 | 0.0062 | 0.0067 | 0.0074 | 0.0074 |
| FEQG Copper Guideline (Chronic) | | | | | 0.0031 | 0.0037 | 0.0054 | 0.0033 | 0.0076 | 0.0077 | 0.0055 | 0.0145 | 0.0030 | 0.0100 | 0.0091 | 0.0128 |
| Iron | mg/L | n/v | n/v | n/v | 0.073 | 0.052 | 0.028 | <0.010 | <0.010 | 0.086 | 0.010 | 0.011 | 0.044 | 0.024 | 0.019 | 0.023 |
| Lead | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s3}^{F}$ | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000097 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| MSOG Lead Guideline (Chronic) | | | | | 0.00081 | 0.00085 | 0.00056 | 0.00065 | 0.00083 | 0.00086 | 0.00109 | 0.00104 | 0.00101 | 0.00112 | 0.00126 | 0.00126 |
| MSOG Lead Guideline (Acute) | | | | | 0.02084 | 0.02188 | 0.01426 | 0.01666 | 0.02123 | 0.02207 | 0.02800 | 0.02681 | 0.02601 | 0.02873 | 0.03221 | 0.03242 |
| FEQG Lead Guideline (Chronic) | | | | | 0.0118 | 0.0121 | 0.0105 | 0.0104 | 0.0118 | 0.0123 | 0.0128 | 0.0124 | 0.0129 | 0.0136 | 0.0141 | 0.0138 |
| Lithium | mg/L | n/v | n/v | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0017 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0019 | 0.0015 |
| Magnesium | mg/L | n/v | n/v | n/v | 2.05 | 2.26 | 1.50 | 1.71 | 2.20 | 2.30 | 2.57 | 2.67 | 2.63 | 2.89 | 3.31 | 3.11 |
| Manganese | mg/L | n/v | Equation*$_{EQ3,EQ4}^{DE}$ | n/v | 0.0313 | 0.00354 | 0.00222 | 0.00106 | 0.00147 | 0.0760 | 0.00090 | 0.00278 | 0.00056 | 0.00089 | 0.00019 | 0.00027 |
| CCME Manganese Guideline (Chronic) | | | | | 0.350 | 0.350 | 0.380 | 0.350 | 0.380 | 0.350 | 0.350 | 0.380 | 0.180 | 0.350 | 0.430 | 0.430 |
| CCME Manganese Guideline (Acute) | | | | | 2.708 | 2.813 | 2.012 | 2.272 | 2.747 | 2.833 | 3.418 | 3.302 | 3.224 | 3.488 | 3.818 | 3.837 |
| Mercury | mg/L | n/v | n/v | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | n/v | n/v | 0.000032 | 0.000025 | 0.000047 | - | - | - | 0.000056 | 0.000058 | 0.000054 | - | - | - |
| Molybdenum | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | 0.000056 | 0.000050 | 0.000068 | 0.000072 | 0.000241 | 0.000217 | 0.000177 | 0.000230 | 0.000256 | 0.000267 |
| Nickel | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| MSOG Nickel Guideline (Chronic) | | | | | 0.022 | 0.023 | 0.016 | 0.018 | 0.022 | 0.023 | 0.027 | 0.026 | 0.026 | 0.028 | 0.030 | 0.031 |
| MSOG Nickel Guideline (Acute) | | | | | 0.197 | 0.204 | 0.148 | 0.166 | 0.200 | 0.206 | 0.246 | 0.238 | 0.233 | 0.251 | 0.274 | 0.275 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 0.770 | 0.863 | 0.622 | 0.648 | 0.806 | 0.942 | 0.636 | 0.576 | 0.563 | 0.598 | 0.664 | 0.654 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00121 | 0.00124 | 0.00085 | 0.00097 | 0.00118 | 0.00137 | 0.00086 | 0.00069 | 0.00063 | 0.00074 | 0.00079 | 0.00076 |
| Selenium | mg/L | n/v | n/v | n/v | <0.000050 | 0.000061 | 0.000062 | <0.000050 | <0.000050 | <0.000050 | 0.000068 | 0.000068 | <0.000050 | 0.000087 | <0.000050 | <0.000050 |
| Silicon | mg/L | n/v | n/v | n/v | 0.493 | 0.507 | 0.302 | 0.348 | 0.262 | 0.313 | 3.07 | 3.33 | 3.02 | 3.07 | 3.04 | 3.11 |
| Silver | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 1.35 | 1.46 | 1.08 | 1.23 | 1.52 | 1.55 | 1.38 | 1.86 | 1.52 | 1.62 | 1.99 | 1.79 |
| Strontium | mg/L | n/v | n/v | 2.5$^{F}$ | 0.0193 | 0.0188 | 0.0132 | 0.0143 | 0.0168 | 0.0184 | 0.0272 | 0.0267 | 0.0215 | 0.0255 | 0.0276 | 0.0257 |
| Sulfur | mg/L | n/v | n/v | n/v | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.56 | <0.50 | <0.50 | 0.86 | 1.16 | 0.66 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00041 RRV | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | 0.00062 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | 0.000011 | <0.000010 | <0.000010 | 0.000011 | 0.000012 | 0.000012 |
| Vanadium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | Equation*$_{s5}^{BC}$ | Equation*$_{EQ1,EQ2}^{DE}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0012 | <0.0010 | <0.0010 | <0.0010 | 0.0025 | <0.0010 | 0.0023 |
| MSOG Zinc Guideline (Chronic) | | | | | 0.050 | 0.051 | 0.037 | 0.042 | 0.050 | 0.052 | 0.062 | 0.060 | 0.059 | 0.063 | 0.069 | 0.069 |
| MSOG Zinc Guideline (Acute) | | | | | 0.049 | 0.051 | 0.037 | 0.042 | 0.050 | 0.051 | 0.062 | 0.060 | 0.058 | 0.063 | 0.069 | 0.069 |
| CCME Zinc Guideline (Chronic) | | | | | 0.014 | 0.021 | 0.012 | 0.015 | 0.019 | 0.022 | 0.018 | 0.018 | 0.017 | 0.019 | 0.022 | 0.025 |
| CCME Zinc Guideline (Acute) | | | | | 0.060 | 0.063 | 0.045 | 0.049 | 0.061 | 0.064 | 0.076 | 0.073 | 0.073 | 0.080 | 0.087 | 0.087 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| **Area** | | | | | **Gordon Site** | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Location** | | | | | **AQF49** | | | | | | **AQF50** | | | | | |
| **Sample Date** | | | | | **20-Mar-25** | **24-Apr-25** | **22-May-25** | **23-Oct-25** | **23-Nov-25** | **13-Dec-25** | **19-Mar-25** | **24-Apr-25** | **26-May-25** | **26-Oct-25** | **24-Nov-25** | **16-Dec-25** |
| **Sample ID** | | | | | **AQF49** | **AQF49** | **AQF49** | **AQF49** | **AQF49** | **AQF49** | **AQF50 - Surface** | **AQF50 - surface** | **AQF50-Surface** | **AQF50-surface** | **AQF50-Surface** | **AQF50-Surface** |
| **Sampling Company** | | | | | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** |
| **Laboratory** | | | | | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** |
| **Laboratory Work Order** | | | | | **WP2503851** | **WP2505523** | **WP2507298** | **WP2518837** | **WP2520511** | **WP2521492** | **WP2503851** | **WP2505523** | **WP2507527** | **WP2518837** | **WP2520511** | **WP2521634** |
| **Laboratory Sample ID** | | | | | **WP2503851-021** | **WP2505523-016** | **WP2507298-008** | **WP2518837-017** | **WP2520511-015** | **WP2521492-003** | **WP2503851-010** | **WP2505523-025** | **WP2507527-001** | **WP2518837-041** | **WP2520511-029** | **WP2521634-002** |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** | | | | | | | | | | | | |
| **Metals, Total** | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | $0.005/0.1_{VAR}^{C}$ | $0.005/0.1_{VAR1}^{E}$ | Equation*$_{s1}^{F}$ | 0.0061 | 0.0107 | 0.0160 | 0.0336 | 0.0085 | 0.0299 | 0.0052 | 0.0132 | 0.0129 | 0.0111 | 0.0068 | 0.0061 |
| **FEQG Aluminum Guideline (Chronic)** | | | | | 0.66 | 0.73 | 0.87 | 0.66 | 1.1 | 1.1 | 0.90 | 3.20 | 0.67 | 1.2 | 1.1 | 1.5 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | n/v | $0.005^{E}$ | n/v | 0.00028 | 0.00029 | 0.00021 | 0.00025 | 0.00028 | 0.00035 | 0.00030 | 0.00028 | 0.00023 | 0.00030 | 0.00026 | 0.00030 |
| Barium | mg/L | n/v | n/v | n/v | 0.0127 | 0.0120 | 0.00856 | 0.0111 | 0.00832 | 0.0116 | 0.00772 | 0.00801 | 0.00647 | 0.00702 | 0.00804 | 0.00834 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | $29/1.5_{s3}^{C}$ | $29^{D}$ $1.5^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | n/v | $0.001_{STB}^{D}$ $0.00009_{LTG}^{E}$ | n/v | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000070 | <0.0000050 | 0.0000054 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| **CCME Cadmium Guideline (Chronic)** | | | | | 0.00007 | 0.00007 | 0.00005 | 0.00006 | 0.00007 | 0.00007 | 0.00008 | 0.00008 | 0.00008 | 0.00009 | 0.00009 | 0.00009 |
| **CCME Cadmium Guideline (Acute)** | | | | | 0.00074 | 0.00077 | 0.00053 | 0.00061 | 0.00075 | 0.00078 | 0.00097 | 0.00093 | 0.00091 | 0.00099 | 0.00110 | 0.00111 |
| Calcium | mg/L | n/v | n/v | n/v | 11.5 | 11.0 | 7.93 | 8.69 | 9.11 | 11.2 | 14.9 | 14.4 | 13.4 | 14.0 | 13.7 | 15.9 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 RRV | <0.00050 |
| Chromium (Hexavalent) | mg/L | n/v | $0.001^{E}$ | $0.005^{F}$ | <0.00050 | **0.00404 RRV$^{E}$** | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Cobalt | mg/L | n/v | n/v | Equation*$_{s4}^{F}$ | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| **FEQG Cobalt Guideline (Chronic)** | | | | | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 |
| Copper | mg/L | n/v | Equation*$_{EQ6}^{E}$ | n/v | <0.00050 | <0.00050 | <0.00050 | 0.00103 | <0.00050 | 0.00108 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| **CWQG Copper Guideline (Chronic)** | | | | | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| Iron | mg/L | $0.3^{C}$ | $0.3^{E}$ | Equation*$_{s5}^{F}$ | 0.133 | 0.125 | 0.077 | 0.148 | 0.030 | 0.121 | 0.022 | 0.041 | 0.105 | 0.083 | 0.060 | 0.043 |
| **FEQG Iron Guideline (Chronic)** | | | | | 0.80 | 0.80 | 0.78 | 0.76 | 0.80 | 0.80 | 0.80 | 0.73 | 0.80 | 0.80 | 0.80 | 0.79 |
| Lead | mg/L | n/v | Equation*$_{EQ5}^{E}$ | n/v | 0.000815 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000075 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| **CWQG Lead Guideline (Chronic)** | | | | | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Lithium | mg/L | n/v | n/v | n/v | <0.0010 | <0.0010 | <0.0010 | 0.0013 | <0.0010 | 0.0017 | <0.0010 | <0.0010 | 0.0013 | <0.0010 | 0.0010 | 0.0015 |
| Magnesium | mg/L | n/v | n/v | n/v | 2.12 | 2.15 | 1.45 | 1.86 | 2.12 | 2.39 | 3.12 | 2.67 | 2.75 | 2.88 | 3.10 | 3.33 |
| Manganese | mg/L | n/v | n/v | n/v | 0.0595 | 0.0286 | 0.0431 | 0.187 | 0.0286 | 0.0945 | 0.00429 | 0.00444 | 0.0404 | 0.0195 | 0.0106 | 0.00587 |
| Mercury | mg/L | $0.000026^{C}$ | $0.000026^{E}$ | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | $0.004^{E}$ | n/v | 0.000036 | 0.000052 | 0.000044 | - | - | - | 0.000067 | 0.000055 | 0.000066 | - | - | - |
| Molybdenum | mg/L | $0.073^{C}$ | $0.073^{E}$ | n/v | <0.000050 | <0.000050 | <0.000050 | 0.000085 | 0.000058 | 0.000097 | 0.000238 | 0.000206 | 0.000196 | 0.000237 | 0.000247 | 0.000268 |
| Nickel | mg/L | n/v | Equation*$_{EQ7}^{E}$ | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00067 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| **CWQG Nickel Guideline (Chronic)** | | | | | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | 0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 0.765 | 0.856 | 0.602 | 0.659 | 0.795 | 0.925 | 0.626 | 0.574 | 0.610 | 0.578 | 0.651 | 0.669 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00129 | 0.00123 | 0.00089 | 0.00103 | 0.00125 | 0.00142 | 0.00080 | 0.00076 | 0.00066 | 0.00078 | 0.00079 | 0.00087 |
| Selenium | mg/L | $0.001^{C}$ | $0.001^{E}$ | n/v | 0.000064 | <0.000050 | <0.000050 | <0.000050 | 0.000068 | 0.000065 | 0.000072 | 0.000069 | <0.000050 | <0.000050 | <0.000050 | 0.000056 |
| Silicon | mg/L | n/v | n/v | n/v | 0.47 | 0.53 | 0.32 | 0.38 | 0.28 | 0.35 | 3.16 | 3.81 | 3.10 | 2.92 | 3.12 | 3.43 |
| Silver | mg/L | $0.0001^{C}$ | $0.00025^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 1.40 | 1.46 | 1.00 | 1.20 | 1.42 | 1.59 | 1.61 | 1.93 | 1.72 | 1.61 | 1.73 | 1.88 |
| Strontium | mg/L | n/v | n/v | n/v | 0.0210 | 0.0205 | 0.0136 | 0.0150 | 0.0165 | 0.0216 | 0.0273 | 0.0253 | 0.0222 | 0.0242 | 0.0264 | 0.0272 |
| Sulfur | mg/L | n/v | n/v | n/v | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.60 | 0.68 | 0.63 | 0.56 | 0.73 | 0.66 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | $0.0008^{C}$ | $0.0008^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | 0.00012 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | 0.00033 | 0.00107 | <0.00030 | 0.00098 | <0.00030 | 0.00052 | 0.00034 | 0.00033 | <0.00030 | <0.00030 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | $0.033/0.015_{s4}^{C}$ | $0.033^{D}$ $0.015^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | 0.000012 | 0.000011 | 0.000010 | 0.000012 | 0.000012 | 0.000011 |
| Vanadium | mg/L | n/v | n/v | $0.12^{F}$ | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | n/v | n/v | n/v | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | MacLellan | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Location** | | | | | **AQF50 - Deep** | | | | | | **AQM4 - Surface** | **AQM4A** | | | | | |
| **Sample Date** | | | | | **19-Mar-25** | **24-Apr-25** | **26-May-25** | **26-Oct-25** | **24-Nov-25** | **16-Dec-25** | **26-Apr-25** | **21-Jan-25** | **1-Mar-25** | **19-Mar-25** | **29-Oct-25** | **26-Nov-25** | **17-Dec-25** |
| **Sample ID** | | | | | **AQF50 - Deep** | **AQF50 - deep** | **AQF50-Deep** | **AQF50-deep** | **AQF50-Deep** | **AQF50-Deep** | **AQM4** | **AQM4A** | **AQM4A** | **AQM4A** | **AQM4A** | **AQM4A** | **AQM4A** |
| **Sampling Company** | | | | | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** |
| **Laboratory** | | | | | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **STANTEC** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** |
| **Laboratory Work Order** | | | | | **WP2503851** | **WP2505523** | **WP2507527** | **WP2518837** | **WP2520511** | **WP2521634** | **WP2505581** | **FIELD2025** | **WP2502936** | **WP2503851** | **WP2519182** | **WP2520648** | **WP2521634** |
| **Laboratory Sample ID** | | | | | **WP2503851-011** | **WP2505523-026** | **WP2507527-002** | **WP2518837-042** | **WP2520511-030** | **WP2521634-003** | **WP2505581-019** | **FIELD** | **WP2502936-015** | **WP2503851-017** | **WP2519182-008** | **WP2520648-014** | **WP2521634-017** |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** | | | | | | | | | | | | | |
| **Field Parameters** | | | | | | | | | | | | | | | | | |
| Dissolved Oxygen, Field | mg/L | $>6.0^{BC}$ | $>6.5_{VAR}^{E}$ | n/v | **$4.68^{BCE}$** | **$0.72^{BCE}$** | **$6.27^{E}$** | 11.51 | **$5.22^{BCE}$** | 7.63 | 11.93 | 12.01 | 12.68 | 13.28 | 12.99 | 12.02 | 12.79 |
| Electrical Conductivity, Field | mS/cm | n/v | n/v | n/v | 43.4 | 65.5 | 62.2 | 56.5 | 72 | 55.9 | 14.7 | 12.6 | 16.7 | 13.28 | 13.6 | 13.2 | 6.6 |
| Oxidation Reduction Potential, field | mV | n/v | n/v | n/v | 99.1 | 94.5 | 183.4 | 130.8 | 121.1 | 140.2 | 155.9 | 180.2 | 147.3 | 120.2 | 144.9 | 175.7 | 155.1 |
| pH, Field | S.U. | $6.5\text{-}9.0^{C}$ | $6.5\text{-}9.0^{E}$ | n/v | 6.9 | 6.82 | 6.59 | 7.5 | 6.59 | 7.17 | 6.92 | 6.72 | **$6.4^{CE}$** | 6.59 | 6.68 | 6.88 | 6.95 |
| Specific Conductance, Field | µS/cm | n/v | n/v | n/v | 72.8 | 107.8 | 95.6 | 88.7 | 119.8 | 95 | 24.8 | - | 31.9 | 23 | 22.8 | 24.9 | 12.6 |
| Temperature, Field | deg C | n/v | n/v | n/v | 3.9 | 4.4 | 6.7 | 5.987 | 4.11 | 3.454 | 3.9 | 0.1 | 0 | 0.3 | 3.97 | 0.5 | 0 |
| Total Dissolved Solids, Field | mg/L | n/v | n/v | n/v | 47.45 | 70.2 | 62.40 | 58 | 78 | 62 | 16.25 | - | 21.00 | 14.95 | 14.8 | 16 | 8 |
| Turbidity, Field | NTU | n/v | n/v | n/v | 1.11 | 0.91 | - | - | 0.47 | 0.51 | 1.85 | 1.27 | 2.47 | 1.05 | - | 4.33 | 0 |
| **General Chemistry** | | | | | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | n/v | n/v | n/v | 4.9 | 3.8 | 4.5 | <2.0 | <2.0 | 2.3 | 2.2 | - | 3.7 | 3.1 | 2.1 | <2.0 | <2.0 |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | n/v | n/v | n/v | 47.1 | 47.8 | 41.5 | 44.4 | 47.5 | 43.3 | 10.0 | - | 10.6 | 10.1 | 8.0 | 8.6 | 11.0 |
| Alkalinity, Carbonate (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Phenolphthalein | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Total (as CaCO3) | mg/L | n/v | n/v | n/v | 47.1 | 47.8 | 41.5 | 44.4 | 47.5 | 43.3 | 10.0 | - | 10.6 | 10.1 | 8.0 | 8.6 | 11.0 |
| Ammonia (as N) | mg/L | Equation$*_{TBC}^{BC}$ | $0.0173/190_{TBC2}^{E}$ | n/v | <0.0050 | <0.0050 | 0.0075 | <0.0050 | 0.0252 | 0.0362 | 0.0077 | - | 0.0225 | 0.0094 | 0.0162 | 0.0271 | 0.0405 |
| **MSOG Ammonia Guideline (Chronic)** | | | | | 6.12 | 6.26 | 6.58 | 4.36 | 6.58 | 5.48 | 6.08 | - | 6.67 | 6.58 | 6.47 | 6.16 | 6.02 |
| **CCME Ammonia Guideline (Chronic)** | | | | | 12.58 | 12.58 | 26.65 | 3.98 | 39.72 | 3.98 | 12.58 | - | 60.04 | 60.04 | 12.58 | 19.00 | 19.00 |
| Bromide | mg/L | n/v | n/v | n/v | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | - | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| Chloride | mg/L | n/v | $640^{D}$ $120^{E}$ | n/v | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | - | <0.50 | <0.50 | <0.50 | <0.50 | 0.74 |
| Cyanate | mg/L | n/v | n/v | n/v | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | - | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| Cyanide | mg/L | $0.022/0.0052_{s1}^{C}$ | $0.005^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Free) | mg/L | $0.022/0.0052_{s1}^{B}$ | $0.005^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Weak Acid Dissociable) | mg/L | n/v | $0.005^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Dissolved Organic Carbon (DOC) | mg/L | n/v | n/v | n/v | 11.4 | 13 | 12.4 | 12.9 | 13.5 | 11.5 | 8.37 | - | 7.81 | 8.43 | 9.39 | 8.43 | 9.14 |
| Electrical Conductivity, Lab | µS/cm | n/v | n/v | n/v | 98.4 | 101 | 87.9 | 94.7 | 99.7 | 86.4 | 27.9 | - | 27.0 | 28.2 | 24.5 | 26.4 | 29.4 |
| Fluoride | mg/L | n/v | $0.12^{E}$ | n/v | 0.051 | 0.055 | 0.050 | 0.055 | 0.051 | 0.051 | 0.068 | - | 0.060 | 0.064 | 0.059 | 0.066 | 0.058 |
| Hardness (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | 45.8 | 43.9 | 49.5 | - | - | - | - | 8.96 | 9.63 | 10.7 |
| Hardness (as CaCO3), dissolved | mg/L | n/v | n/v | n/v | 45.0 | 48.5 | 43.0 | 47.9 | 53.1 | 46.7 | 11.3 | - | 10.4 | 9.84 | 8.59 | 9.83 | 10.2 |
| Nitrate (as N) | mg/L | $13^{C}$ | $124^{D}$ $3.0^{E}$ | n/v | 0.126 | 0.124 | <0.020 | <0.020 | 0.032 | 0.027 | 0.049 | - | 0.064 | 0.082 | <0.020 | <0.020 | 0.061 |
| Nitrate + Nitrite (as N) | mg/L | $10^{B}$ $10^{C}$ | n/v | n/v | 0.126 | 0.124 | <0.0224 | <0.022 | 0.0320 | 0.0270 | 0.0490 | - | 0.0640 | 0.0820 | <0.022 | <0.022 | 0.0610 |
| Nitrite (as N) | mg/L | $0.06^{C}$ | $0.06^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | - | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| pH, lab | S.U. | $6.5\text{-}9.0^{C}$ | $6.5\text{-}9.0^{E}$ | n/v | 7.82 | 7.49 | 7.65 | 7.84 | 7.55 | 7.44 | 7.02 | - | 6.88 | 7.18 | 6.97 | 6.99 | 6.84 |
| Phosphorus, Total | mg/L | $0.025^{A}$ | n/v | n/v | 0.0151 | 0.0131 | 0.0248 | 0.0181 | 0.0198 | 0.0124 | 0.0164 | - | 0.0097 | 0.0099 | 0.0154 | 0.0121 | 0.0127 |
| Phosphorus, Total (Dissolved) | mg/L | n/v | n/v | n/v | 0.0104 | 0.0063 | 0.0059 | 0.0062 | 0.0057 | 0.0044 | 0.0056 | - | 0.0054 | 0.0053 | 0.0048 | 0.0047 | 0.0060 |
| Sulfate | mg/L | n/v | n/v | n/v | 1.21 | 1.28 | 1.22 | 0.96 | 1.40 | 1.26 | 1.20 | - | 1.05 | 1.09 | 1.04 | 0.90 | 1.13 |
| Thiocyanate | mg/L | n/v | n/v | n/v | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | - | <0.50 SFT | <0.50 | <0.50 | <0.50 | <0.50 |
| Total Dissolved Solids | mg/L | n/v | n/v | n/v | 77.9 | 84.3 | 57.5 | 52.0 | 65.3 | 49.0 | 30.3 | - | 25.4 | 24.6 | 18.0 | 26.5 | 18.6 |
| Total Kjeldahl Nitrogen | mg/L | n/v | n/v | n/v | 0.384 | 0.346 | 0.479 | 0.458 | 0.467 | 0.399 | 0.324 | - | 0.251 | 0.269 | 0.319 | 0.500 | 0.417 |
| Total Organic Carbon | mg/L | n/v | n/v | n/v | 12.1 | 11.5 | 11.7 | 13.4 | 13.8 | 13.2 | 7.76 | - | 6.92 | 7.51 | 8.86 | 8.21 | 9.44 |
| Total Suspended Solids | mg/L | $_{SN}{}^{BC}$ | $_{SN}{}^{E}$ | n/v | <1.0 | 1.0 | 1.2 | 1.0 | 2.8 | <1.0 | 1.4 | - | <1.0 | <1.0 | <1.0 | <1.0 | 3.6 |
| Turbidity, Lab | NTU | n/v | n/v | n/v | 0.42 | 0.96 | 1.85 | 1.38 | 1.84 | 0.77 | 1.52 | - | 0.75 | 0.77 | 1.21 | 0.69 | 1.03 |

See notes on last page.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Area** |  |  |  |  | **Gordon Site** |  |  |  |  |  | **MacLellan** |  |  |  |  |  |  |
| **Sample Location** |  |  |  |  | **AQF50 - Deep** |  |  |  |  |  | **AQM4 - Surface** | **AQM4A** |  |  |  |  |  |
| **Sample Date** |  |  |  |  | **19-Mar-25** | **24-Apr-25** | **26-May-25** | **26-Oct-25** | **24-Nov-25** | **16-Dec-25** | **26-Apr-25** | **21-Jan-25** | **1-Mar-25** | **19-Mar-25** | **29-Oct-25** | **26-Nov-25** | **17-Dec-25** |
| **Sample ID** |  |  |  |  | **AQF50 - Deep** | **AQF50 - deep** | **AQF50-Deep** | **AQF50-deep** | **AQF50-Deep** | **AQF50-Deep** | **AQM4** | **AQM4A** | **AQM4A** | **AQM4A** | **AQM4A** | **AQM4A** | **AQM4A** |
| **Sampling Company** |  |  |  |  | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** |
| **Laboratory** |  |  |  |  | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **STANTEC** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** |
| **Laboratory Work Order** |  |  |  |  | **WP2503851** | **WP2505523** | **WP2507527** | **WP2518837** | **WP2520511** | **WP2521634** | **WP2505581** | **FIELD2025** | **WP2502936** | **WP2503851** | **WP2519182** | **WP2520648** | **WP2521634** |
| **Laboratory Sample ID** |  |  |  |  | **WP2503851-011** | **WP2505523-026** | **WP2507527-002** | **WP2518837-042** | **WP2520511-030** | **WP2521634-003** | **WP2505581-019** | **FIELD** | **WP2502936-015** | **WP2503851-017** | **WP2519182-008** | **WP2520648-014** | **WP2521634-017** |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Metals, Dissolved** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Aluminum | mg/L | n/v | n/v | n/v | 0.0029 | 0.0034 | 0.0052 | 0.0051 | 0.0046 | 0.0026 | 0.0065 | - | 0.0057 | 0.0051 | 0.0080 | 0.0075 | 0.0079 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | 0.34/0.15$_{s2}^{BC}$ | n/v | n/v | 0.00035 | 0.00025 | 0.00022 | 0.00024 | 0.00024 | 0.00024 | <0.00010 | - | 0.00012 | 0.00011 | 0.00016 | 0.00013 | 0.00014 |
| Barium | mg/L | n/v | n/v | n/v | 0.00842 | 0.00678 | 0.00738 | 0.00683 | 0.00807 | 0.00739 | 0.00692 | - | 0.00637 | 0.00624 | 0.00537 | 0.00552 | 0.00618 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | - | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | n/v | n/v | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | - | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000067 |
| **MSOG Cadmium Guideline (Chronic)** |  |  |  |  | 0.00014 | 0.00015 | 0.00014 | 0.00015 | 0.00016 | 0.00015 | 0.00005 | - | 0.00005 | 0.00005 | 0.00005 | 0.00005 | 0.00005 |
| **MSOG Cadmium Guideline (Acute)** |  |  |  |  | 0.00093 | 0.00100 | 0.00089 | 0.00098 | 0.00109 | 0.00102 | 0.00024 | - | 0.00022 | 0.00021 | 0.00019 | 0.00021 | 0.00023 |
| Calcium | mg/L | n/v | n/v | n/v | 13.9 | 14.4 | 12.8 | 14.4 | 15.9 | 13.8 | 3.05 | - | 2.87 | 2.66 | 2.35 | 2.68 | 2.73 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| **MSOG Chromium Guideline (Chronic)** |  |  |  |  | 0.00593 | 0.00615 | 0.00579 | 0.00611 | 0.00644 | 0.00622 | 0.00296 | - | 0.00283 | 0.00276 | 0.00263 | 0.00273 | 0.00287 |
| Cobalt | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | 0.00031 RRV | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Copper | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s2}^{F}$ | 0.00031 | 0.00027 | 0.00030 | 0.00026 | 0.00022 | 0.00031 | 0.00036 | - | **0.00151 RRV$^{BCF}$** | 0.00051 | 0.00028 | 0.00026 | 0.00063 |
| **MSOG Copper Guideline (Chronic)** |  |  |  |  | 0.00453 | 0.00483 | 0.00435 | 0.00477 | 0.00521 | 0.00491 | 0.00139 | - | 0.00129 | 0.00123 | 0.00114 | 0.00121 | 0.00133 |
| **MSOG Copper Guideline (Acute)** |  |  |  |  | 0.0063 | 0.0068 | 0.0061 | 0.0067 | 0.0074 | 0.0069 | 0.0017 | - | 0.0016 | 0.0015 | 0.0014 | 0.0015 | 0.0016 |
| **FEQG Copper Guideline (Chronic)** |  |  |  |  | 0.0034 | 0.0033 | 0.0017 | 0.0104 | 0.0020 | 0.0057 | 0.0017 | - | 0.0007 | 0.0007 | 0.0010 | 0.0015 | 0.0020 |
| Iron | mg/L | n/v | n/v | n/v | 0.014 | 0.029 | 0.056 | 0.024 | 0.035 | 0.022 | 0.074 | - | 0.062 | 0.077 | 0.043 | 0.043 | 0.059 |
| Lead | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s3}^{F}$ | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| **MSOG Lead Guideline (Chronic)** |  |  |  |  | 0.00104 | 0.00114 | 0.00099 | 0.00112 | 0.00126 | 0.00116 | 0.00022 | - | 0.00020 | 0.00019 | 0.00017 | 0.00018 | 0.00021 |
| **MSOG Lead Guideline (Acute)** |  |  |  |  | 0.02681 | 0.02913 | 0.02548 | 0.02873 | 0.03221 | 0.02980 | 0.00564 | - | 0.00513 | 0.00482 | 0.00433 | 0.00470 | 0.00530 |
| **FEQG Lead Guideline (Chronic)** |  |  |  |  | 0.0122 | 0.0133 | 0.0126 | 0.0132 | 0.0138 | 0.0125 | 0.0077 | - | 0.0073 | 0.0075 | 0.0078 | 0.0075 | 0.0080 |
| Lithium | mg/L | n/v | n/v | n/v | <0.0010 | <0.0010 | 0.0010 | <0.0010 | 0.0020 | 0.0012 | 0.0013 | - | 0.0023 | <0.0010 | <0.0010 | 0.0017 | 0.0017 |
| Magnesium | mg/L | n/v | n/v | n/v | 2.51 | 3.04 | 2.69 | 2.89 | 3.25 | 2.97 | 0.892 | - | 0.796 | 0.777 | 0.662 | 0.763 | 0.821 |
| Manganese | mg/L | n/v | Equation*$_{EQ3,EQ4}^{DE}$ | n/v | 0.00151 | 0.00373 | 0.0270 | 0.00118 | 0.00537 | 0.00066 | 0.0223 | - | 0.0122 | 0.0173 | 0.00254 | 0.00254 | 0.00477 |
| **CCME Manganese Guideline (Chronic)** |  |  |  |  | 0.320 | 0.350 | 0.350 | 0.330 | 0.430 | 0.330 | 0.260 | - | 0.230 | 0.200 | 0.210 | 0.230 | 0.230 |
| **CCME Manganese Guideline (Acute)** |  |  |  |  | 3.302 | 3.526 | 3.173 | 3.488 | 3.818 | 3.590 | 0.981 | - | 0.912 | 0.869 | 0.801 | 0.853 | 0.935 |
| Mercury | mg/L | n/v | n/v | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 SFP | <0.0000050 | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | n/v | n/v | 0.000042 | 0.000057 | 0.000058 | - | - | - | 0.000042 | - | <0.000020 | 0.000020 | - | - | - |
| Molybdenum | mg/L | n/v | n/v | n/v | 0.000209 | 0.000204 | 0.000194 | 0.000225 | 0.000210 | 0.000232 | <0.000050 | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Nickel | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | 0.00078 | <0.00050 | <0.00050 | <0.00050 | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| **MSOG Nickel Guideline (Chronic)** |  |  |  |  | 0.026 | 0.028 | 0.025 | 0.028 | 0.030 | 0.029 | 0.008 | - | 0.008 | 0.007 | 0.007 | 0.007 | 0.008 |
| **MSOG Nickel Guideline (Acute)** |  |  |  |  | 0.238 | 0.254 | 0.229 | 0.251 | 0.274 | 0.258 | 0.074 | - | 0.069 | 0.066 | 0.061 | 0.065 | 0.071 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | - | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 0.587 | 0.613 | 0.562 | 0.588 | 0.613 | 0.593 | 0.661 | - | 0.580 | 0.576 | 0.593 | 0.634 | 0.721 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00083 | 0.00080 | 0.00061 | 0.00078 | 0.00067 | 0.00068 | 0.00119 | - | 0.00113 | 0.00103 | 0.00105 | 0.00107 | 0.00121 |
| Selenium | mg/L | n/v | n/v | n/v | 0.000073 | 0.000075 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000061 | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000060 |
| Silicon | mg/L | n/v | n/v | n/v | 3.14 | 3.51 | 3.32 | 3.07 | 3.26 | 3.01 | 3.95 | - | 3.85 | 3.87 | 2.39 | 2.72 | 2.85 |
| Silver | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 1.31 | 1.62 | 1.50 | 1.54 | 1.80 | 1.64 | 1.45 | - | 1.26 | 1.17 | 1.03 | 1.16 | 1.28 |
| Strontium | mg/L | n/v | n/v | 2.5$^{F}$ | 0.0255 | 0.0275 | 0.0206 | 0.0247 | 0.0253 | 0.0241 | 0.0141 | - | 0.0125 | 0.0134 | 0.0111 | 0.0128 | 0.0128 |
| Sulfur | mg/L | n/v | n/v | n/v | <0.50 | <0.50 | <0.50 | 0.52 | 0.88 | 0.64 | <0.50 | - | <0.50 | <0.50 | 0.89 | <0.50 | <0.50 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | 0.00023 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | 0.00108 RRV | 0.00029 RRV | 0.00261 RRV | 0.00014 | 0.00020 | 0.00013 | <0.00010 | - | <0.00010 | <0.00010 | 0.00050 RRV | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | - | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | n/v | n/v | n/v | 0.000012 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | 0.000011 | 0.000010 | - | 0.000012 | 0.000012 | 0.000014 | 0.000014 | 0.000015 |
| Vanadium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | Equation*$_{s5}^{BC}$ | Equation*$_{EQ1,EQ2}^{DE}$ | n/v | 0.0031 | <0.0010 | <0.0010 | 0.0011 | <0.0010 | <0.0010 | 0.0011 | - | 0.0029 | <0.0010 | <0.0010 | <0.0010 | 0.0016 |
| **MSOG Zinc Guideline (Chronic)** |  |  |  |  | 0.060 | 0.064 | 0.058 | 0.063 | 0.069 | 0.065 | 0.019 | - | 0.017 | 0.017 | 0.015 | 0.016 | 0.018 |
| **MSOG Zinc Guideline (Acute)** |  |  |  |  | 0.060 | 0.063 | 0.057 | 0.063 | 0.069 | 0.065 | 0.018 | - | 0.017 | 0.016 | 0.015 | 0.016 | 0.018 |
| **CCME Zinc Guideline (Chronic)** |  |  |  |  | 0.017 | 0.025 | 0.019 | 0.018 | 0.026 | 0.025 | 0.008 | - | 0.008 | 0.006 | 0.007 | 0.007 | 0.009 |
| **CCME Zinc Guideline (Acute)** |  |  |  |  | 0.072 | 0.079 | 0.071 | 0.078 | 0.086 | 0.078 | 0.021 | - | 0.019 | 0.019 | 0.018 | 0.019 | 0.021 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | - | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| Area | | | | | Gordon Site | | | | | | MacLellan | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Location** | | | | | **AQF50 - Deep** | | | | | | **AQM4 - Surface** | **AQM4A** | | | | | |
| **Sample Date** | | | | | **19-Mar-25** | **24-Apr-25** | **26-May-25** | **26-Oct-25** | **24-Nov-25** | **16-Dec-25** | **26-Apr-25** | **21-Jan-25** | **1-Mar-25** | **19-Mar-25** | **29-Oct-25** | **26-Nov-25** | **17-Dec-25** |
| **Sample ID** | | | | | **AQF50 - Deep** | **AQF50 - deep** | **AQF50-Deep** | **AQF50-deep** | **AQF50-Deep** | **AQF50-Deep** | **AQM4** | **AQM4A** | **AQM4A** | **AQM4A** | **AQM4A** | **AQM4A** | **AQM4A** |
| **Sampling Company** | | | | | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** |
| **Laboratory** | | | | | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **STANTEC** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** |
| **Laboratory Work Order** | | | | | **WP2503851** | **WP2505523** | **WP2507527** | **WP2518837** | **WP2520511** | **WP2521634** | **WP2505581** | **FIELD2025** | **WP2502936** | **WP2503851** | **WP2519182** | **WP2520648** | **WP2521634** |
| **Laboratory Sample ID** | | | | | **WP2503851-011** | **WP2505523-026** | **WP2507527-002** | **WP2518837-042** | **WP2520511-030** | **WP2521634-003** | **WP2505581-019** | **FIELD** | **WP2502936-015** | **WP2503851-017** | **WP2519182-008** | **WP2520648-014** | **WP2521634-017** |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** | | | | | | | | | | | | | |
| **Metals, Total** | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | $0.005/0.1_{VAR}^{C}$ | $0.005/0.1_{VAR1}^{E}$ | Equation*$_{s1}^{F}$ | 0.0122 | 0.0084 | 0.0119 | 0.0128 | 0.0166 | 0.0078 | 0.0227 | - | 0.0101 | 0.0083 | 0.0212 | 0.0126 | 0.0355 |
| FEQG Aluminum Guideline (Chronic) | | | | | 0.71 | 0.71 | 0.55 | 1.3 | 0.60 | 0.93 | 0.40 | - | 0.18 | 0.25 | 0.30 | 0.36 | 0.43 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00016 |
| Arsenic | mg/L | n/v | $0.005^{E}$ | n/v | 0.00026 | 0.00027 | 0.00025 | 0.00029 | 0.00024 | 0.00030 | 0.00018 | - | 0.00018 | 0.00014 | 0.00017 | 0.00015 | 0.00021 |
| Barium | mg/L | n/v | n/v | n/v | 0.00788 | 0.00739 | 0.00788 | 0.00748 | 0.00906 | 0.00817 | 0.00695 | - | 0.00692 | 0.00644 | 0.00568 | 0.00591 | 0.00719 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | - | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | $29/1.5_{s3}^{C}$ | $29^{D}$ $1.5^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | - | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | n/v | $0.001_{STB}^{D}$ $0.00009_{LTG}^{E}$ | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000249 |
| CCME Cadmium Guideline (Chronic) | | | | | 0.00008 | 0.00009 | 0.00008 | 0.00009 | 0.00009 | 0.00009 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 |
| CCME Cadmium Guideline (Acute) | | | | | 0.00093 | 0.00101 | 0.00089 | 0.00099 | 0.00110 | 0.00103 | 0.00023 | 0.00011 | 0.00021 | 0.00020 | 0.00018 | 0.00019 | 0.00022 |
| Calcium | mg/L | n/v | n/v | n/v | 14.6 | 15.1 | 13.0 | 13.7 | 12.6 | 14.7 | 2.85 | - | 2.91 | 2.91 | 2.43 | 2.64 | 2.91 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 RRV | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Chromium (Hexavalent) | mg/L | n/v | $0.001^{E}$ | $0.005^{F}$ | <0.00050 | **0.00124 RRV$^{E}$** | <0.00050 | 0.00083 | <0.00050 | <0.00050 | <0.00050 | - | <0.00050 | 0.00089 | <0.00050 | <0.00050 | <0.00050 |
| Cobalt | mg/L | n/v | n/v | Equation*$_{s4}^{F}$ | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| FEQG Cobalt Guideline (Chronic) | | | | | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | - | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 |
| Copper | mg/L | n/v | Equation*$_{EQ6}^{E}$ | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | **0.00204$^{E}$** | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | **0.00221$^{E}$** |
| CWQG Copper Guideline (Chronic) | | | | | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| Iron | mg/L | $0.3^{C}$ | $0.3^{E}$ | Equation*$_{s5}^{F}$ | 0.029 | 0.089 | 0.160 | 0.086 | 0.114 | 0.061 | 0.255 | - | 0.125 | 0.141 | 0.149 | 0.098 | 0.218 |
| FEQG Iron Guideline (Chronic) | | | | | 0.80 | 0.80 | 0.79 | 0.80 | 0.79 | 0.80 | 0.66 | - | 0.60 | 0.64 | 0.70 | 0.65 | 0.71 |
| Lead | mg/L | n/v | Equation*$_{EQ5}^{E}$ | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000094 |
| CWQG Lead Guideline (Chronic) | | | | | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Lithium | mg/L | n/v | n/v | n/v | <0.0010 | <0.0010 | 0.0011 | <0.0010 | <0.0010 | 0.0013 | 0.0012 | - | 0.0020 | 0.0011 | <0.0010 | <0.0010 | 0.0023 |
| Magnesium | mg/L | n/v | n/v | n/v | 2.84 | 3.01 | 2.68 | 2.82 | 3.02 | 3.11 | 0.861 | - | 0.803 | 0.770 | 0.703 | 0.738 | 0.826 |
| Manganese | mg/L | n/v | n/v | n/v | 0.0116 | 0.0374 | 0.0705 | 0.0191 | 0.0298 | 0.0116 | 0.0249 | - | 0.0154 | 0.0205 | 0.00898 | 0.00653 | 0.0151 |
| Mercury | mg/L | $0.000026^{C}$ | $0.000026^{E}$ | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | $0.004^{E}$ | n/v | 0.000092 | 0.000052 | 0.000070 | - | - | - | 0.000029 | - | <0.000020 | 0.000023 | - | - | - |
| Molybdenum | mg/L | $0.073^{C}$ | $0.073^{E}$ | n/v | 0.000222 | 0.000203 | 0.000190 | 0.000258 | 0.000200 | 0.000225 | <0.000050 | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Nickel | mg/L | n/v | Equation*$_{EQ7}^{E}$ | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00056 | <0.00050 | <0.00050 | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00053 |
| CWQG Nickel Guideline (Chronic) | | | | | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | - | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 0.553 | 0.614 | 0.597 | 0.568 | 0.604 | 0.579 | 0.661 | - | 0.608 | 0.567 | 0.601 | 0.614 | 0.983 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00073 | 0.00080 | 0.00072 | 0.00078 | 0.00063 | 0.00074 | 0.00119 | - | 0.00108 | 0.00102 | 0.00109 | 0.00112 | 0.00155 |
| Selenium | mg/L | $0.001^{C}$ | $0.001^{E}$ | n/v | 0.000072 | 0.000070 | 0.000066 | 0.000084 | 0.000077 | <0.000050 | <0.000050 | - | <0.000050 | 0.000062 | 0.000060 | 0.000056 | 0.000084 |
| Silicon | mg/L | n/v | n/v | n/v | 3.31 | 3.75 | 3.35 | 2.89 | 3.18 | 3.11 | 3.94 | - | 4.02 | 3.84 | 2.65 | 2.62 | 3.01 |
| Silver | mg/L | $0.0001^{C}$ | $0.00025^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 1.48 | 1.61 | 1.51 | 1.51 | 1.74 | 1.65 | 1.36 | - | 1.20 | 1.15 | 1.12 | 1.19 | 1.50 |
| Strontium | mg/L | n/v | n/v | n/v | 0.0276 | 0.0255 | 0.0210 | 0.0246 | 0.0256 | 0.0245 | 0.0137 | - | 0.0142 | 0.0145 | 0.0118 | 0.0125 | 0.0133 |
| Sulfur | mg/L | n/v | n/v | n/v | <0.50 | 0.67 | <0.50 | 0.57 | 0.66 | 0.54 | <0.50 | - | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | $0.0008^{C}$ | $0.0008^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | 0.00023 | <0.00010 | 0.00045 | 0.00017 | <0.00010 | 0.00015 | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | 0.00032 | 0.00037 | 0.00040 | <0.00030 | 0.00092 | - | <0.00030 | <0.00030 | 0.00080 | <0.00030 | 0.00181 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | $0.033/0.015_{s4}^{C}$ | $0.033^{D}$ $0.015^{E}$ | n/v | 0.000011 | <0.000010 | 0.000010 | 0.000012 | 0.000012 | 0.000011 | 0.000014 | - | 0.000018 | 0.000014 | 0.000020 | 0.000019 | 0.000028 |
| Vanadium | mg/L | n/v | n/v | $0.12^{F}$ | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | n/v | n/v | n/v | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | - | <0.0030 | <0.0030 | <0.0030 | <0.0030 | 0.0055 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | MacLellan | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQM5 - Surface | | | | | | | AQM8 - Surface | | | | | | | |
| Sample Date | | | | | 1-Mar-25 | 22-Mar-25 | 26-Apr-25 | 25-May-25 | 29-Oct-25 | 26-Nov-25 | 14-Dec-25 | 21-Jan-25 | 26-Feb-25 | 22-Mar-25 | 25-Apr-25 | 24-May-25 | 29-Oct-25 | 17-Dec-25 |
| Sample ID | | | | | AQM5 | AQM5 | AQM5 | AQM5 | AQM5 | AQM5 | AQM5 | AQM8 | AQM8 | AQM8 | AQM8 | AQM8 | AQM8 | AQM8 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | STANTEC | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2502936 | WP2503946 | WP2505581 | WP2507527 | WP2519182 | WP2520648 | WP2521492 | FIELD2025 | WP2502751 | WP2503946 | WP2505581 | WP2507298 | WP2519182 | WP2521634 |
| Laboratory Sample ID | | | | | WP2502936-018 | WP2503946-004 | WP2505581-018 | WP2507527-011 | WP2519182-001 | WP2520648-017 | WP2521492-008 | FIELD | WP2502751-016 | WP2503946-018 | WP2505581-004 | WP2507298-033 | WP2519182-004 | WP2521634-011 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | |
| **Field Parameters** | | | | | | | | | | | | | | | | | | |
| Dissolved Oxygen, Field | mg/L | >6.0$^{BC}$ | >6.5$_{VAR}^{E}$ | n/v | 13.41 | **4.42**$^{BCE}$ | 7.03 | 12.76 | 12.47 | 12.47 | 12.29 | 12.07 | 14.45 | 12.39 | 13.13 | 10.81 | 13.3 | 13.15 |
| Electrical Conductivity, Field | mS/cm | n/v | n/v | n/v | 0.6 | 54.8 | 36.3 | 52.0 | 27.2 | 27.2 | 32.2 | 12.8 | 5.9 | 22.1 | 15.1 | 31.2 | 14.6 | 14 |
| Oxidation Reduction Potential, field | mV | n/v | n/v | n/v | 28.5 | 48 | 230.4 | 142.1 | 152.9 | 152.9 | 177 | 193.6 | 135.9 | 169.7 | 90.1 | 84.9 | 141 | 3.4 |
| pH, Field | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v | 6.74 | 6.51 | 6.72 | 7.2 | 6.6 | 6.6 | 6.93 | 6.71 | 7.84 | 6.55 | 7.11 | 6.74 | 6.55 | 6.92 |
| Specific Conductance, Field | µS/cm | n/v | n/v | n/v | 1.2 | 104.7 | 61.5 | 61.4 | 45.5 | 45.5 | 56 | - | 11.3 | 42.4 | 26.2 | 37.8 | 24.7 | 26.8 |
| Temperature, Field | deg C | n/v | n/v | n/v | -0.1 | 0.1 | 3.4 | 17.0 | 3.991 | 3.991 | 2.772 | -0.1 | -0.1 | 0 | 2.8 | 15.9 | 3.62 | 0.1 |
| Total Dissolved Solids, Field | mg/L | n/v | n/v | n/v | 1.00 | 68.25 | 40.3 | 39.65 | 30 | 30 | 36 | - | 8.00 | 27.3 | 16.9 | 24.7 | 16.07 | 17 |
| Turbidity, Field | NTU | n/v | n/v | n/v | 15.7 | - | 2.84 | - | - | 5.35 | 4.3 | 2.08 | 3.7 | - | 2.7 | - | - | 4.58 |
| **General Chemistry** | | | | | | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | n/v | n/v | n/v | 18.9 | 8.8 | 2.0 | 2.9 | 2.6 | <2.0 | 3.1 | - | 2.8 | 2.6 | <2.0 | <2.0 | 2.1 | 2.2 |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | n/v | n/v | n/v | 30.7 | 28.5 | 15.0 | 14.1 | 16.6 | 20.3 | 23.1 | - | 9.3 | 10.2 | 10.8 | 8.2 | 8.8 | 11.2 |
| Alkalinity, Carbonate (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Phenolphthalein | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Total (as CaCO3) | mg/L | n/v | n/v | n/v | 30.7 | 28.5 | 15.0 | 14.1 | 16.6 | 20.3 | 23.1 | - | 9.3 | 10.2 | 10.8 | 8.2 | 8.8 | 11.2 |
| Ammonia (as N) | mg/L | Equation*$_{TBC}^{BC}$ | 0.0173/190$_{TBC2}^{E}$ | n/v | 0.124 | 0.0695 | 0.0064 | 0.0062 | 0.0708 | 0.0106 | 0.0235 | - | 0.0402 | 0.0183 | 0.0085 | 0.0232 | 0.0140 | 0.0236 |
| MSOG Ammonia Guideline (Chronic) | | | | | 6.39 | 6.66 | 6.42 | 4.59 | 6.57 | 6.57 | 6.06 | - | 3.03 | 6.62 | 5.64 | 5.84 | 6.62 | 6.08 |
| CCME Ammonia Guideline (Chronic) | | | | | 19.00 | 60.04 | 12.58 | 1.27 | 12.58 | 12.58 | 12.58 | - | 1.92 | 60.04 | 3.98 | 5.74 | 39.72 | 19.00 |
| Bromide | mg/L | n/v | n/v | n/v | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | - | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| Chloride | mg/L | n/v | 640$^{D}$ 120$^{E}$ | n/v | 1.64 | 2.25 | 0.65 | 0.79 | 1.09 | 1.30 | 1.54 | - | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Cyanate | mg/L | n/v | n/v | n/v | 0.21 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | - | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| Cyanide | mg/L | 0.022/0.0052$_{s1}^{C}$ | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | - | <0.0010 | <0.0010 | <0.0010 | 0.0010 | <0.0010 | <0.0010 |
| Cyanide (Free) | mg/L | 0.022/0.0052$_{s1}^{B}$ | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | - | <0.0010 | <0.0010 | <0.0010 | 0.0012 | <0.0010 | <0.0010 |
| Cyanide (Weak Acid Dissociable) | mg/L | n/v | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0012 | <0.0010 | - | <0.0010 | <0.0010 | <0.0010 | 0.0012 | <0.0010 | <0.0010 |
| Dissolved Organic Carbon (DOC) | mg/L | n/v | n/v | n/v | 17.7 | 23.5 | 10.6 | 14.6 | 20.3 | 22.4 | 25.7 | - | 8.68 | 9.44 | 8.19 | 9.4 | 9.59 | 9.01 RRV |
| Electrical Conductivity, Lab | µS/cm | n/v | n/v | n/v | 76.2 | 81.0 | 37.1 | 37.5 | 49.1 | 59.2 | 65.9 | - | 27.7 | 30.9 | 29.4 | 22.8 | 26.1 | 28.1 |
| Fluoride | mg/L | n/v | 0.12$^{E}$ | n/v | 0.094 | 0.118 | 0.062 | 0.077 | 0.083 | 0.101 | 0.114 | - | 0.061 | 0.065 | 0.066 | 0.060 | 0.059 | 0.064 |
| Hardness (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | - | 20.8 | 24.4 | 28.7 | - | - | - | - | - | 9.74 | 11.4 |
| Hardness (as CaCO3), dissolved | mg/L | n/v | n/v | n/v | 35.7 | 31.1 | 18.1 | 16.5 | 20.4 | 24.8 | 26.7 | - | 9.72 | 8.28 | 12.0 | 8.42 | 9.43 | 10.7 |
| Nitrate (as N) | mg/L | 13$^{C}$ | 124$^{D}$ 3.0$^{E}$ | n/v | <0.020 | 0.067 | <0.020 | <0.020 | <0.020 | 0.093 | <0.020 | - | 0.077 | 0.098 | 0.036 | <0.020 | <0.020 | 0.035 |
| Nitrate + Nitrite (as N) | mg/L | 10$^{B}$ 10$^{C}$ | n/v | n/v | <0.0224 | 0.0670 | <0.0224 | <0.0224 | <0.022 | 0.0930 | <0.022 | - | 0.0770 | 0.0980 | 0.0360 | <0.0224 | <0.022 | 0.0350 |
| Nitrite (as N) | mg/L | 0.06$^{C}$ | 0.06$^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | - | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| pH, lab | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v | 6.89 | 7.51 | 6.97 | 7.35 | 7.23 | 7.25 | 7.03 | - | 6.84 | 7.16 | 7.03 | 7.11 | 7.00 | 6.81 |
| Phosphorus, Total | mg/L | 0.025$^{A}$ | n/v | n/v | 0.0175 | 0.0124 | **0.0443**$^{A}$ | 0.0201 | 0.0202 | 0.0180 | 0.0181 | - | 0.0100 | 0.0109 | 0.0164 | 0.0163 | 0.0164 | **0.0463**$^{A}$ |
| Phosphorus, Total (Dissolved) | mg/L | n/v | n/v | n/v | 0.0036 | 0.0048 | 0.0072 | 0.0052 | 0.0053 | 0.0048 | 0.0066 | - | - | 0.0059 | 0.0050 | 0.0058 | 0.0054 | 0.0073 |
| Sulfate | mg/L | n/v | n/v | n/v | 1.36 | 1.41 | 0.73 | 1.00 | 1.99 | 1.94 | 2.26 | - | 1.11 | 1.13 | 1.30 | 0.98 | 1.15 | 1.24 |
| Thiocyanate | mg/L | n/v | n/v | n/v | <0.50 SFT | 0.64 SFT | <0.50 | 0.50 | 0.62 | 0.77 | 0.74 | - | <0.50 | <0.50 SFT | <0.50 | <0.50 | <0.50 | <0.50 |
| Total Dissolved Solids | mg/L | n/v | n/v | n/v | 68.0 | 75.4 | 35.9 | 32.0 | 52.6 | 43.4 | 73.1 | - | 23.6 | 21.3 | 23.8 | 20.1 | 20.2 | 21.9 |
| Total Kjeldahl Nitrogen | mg/L | n/v | n/v | n/v | 0.728 | 0.673 | 0.883 | 0.504 | 0.978 | 0.880 | 0.725 | - | 0.306 | 0.248 | 0.379 | 0.317 | 0.353 | 1.06 |
| Total Organic Carbon | mg/L | n/v | n/v | n/v | 19.8 | 21.6 | 11.0 | 14.5 | 21.3 | 23.6 | 25.8 | - | 8.37 | 8.96 | 8.44 | 7.95 | 9.56 | 5.79 RRV |
| Total Suspended Solids | mg/L | $_{SN}^{BC}$ | $_{SN}^{E}$ | n/v | 6.3 | 1.7 | 16.6 | 2.0 | 3.6 | 1.5 | 1.7 | - | <1.0 | <1.0 | 2.0 | 2.2 | <1.0 | 7.2 |
| Turbidity, Lab | NTU | n/v | n/v | n/v | 7.31 | 2.06 | 1.58 | 1.24 | 2.03 | 1.13 | 1.09 | - | 0.78 | 1.18 | 1.66 | 2.04 | 1.30 | 2.03 |

See notes on last page.

| **Area** | | | | | **MacLellan** | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Location** | | | | | **AQM5 - Surface** | | | | | | | **AQM8 - Surface** | | | | | | | |
| **Sample Date** | | | | | **1-Mar-25** | **22-Mar-25** | **26-Apr-25** | **25-May-25** | **29-Oct-25** | **26-Nov-25** | **14-Dec-25** | **21-Jan-25** | **26-Feb-25** | **22-Mar-25** | **25-Apr-25** | **24-May-25** | **29-Oct-25** | **17-Dec-25** |
| **Sample ID** | | | | | **AQM5** | **AQM5** | **AQM5** | **AQM5** | **AQM5** | **AQM5** | **AQM5** | **AQM8** | **AQM8** | **AQM8** | **AQM8** | **AQM8** | **AQM8** | **AQM8** |
| **Sampling Company** | | | | | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** |
| **Laboratory** | | | | | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **STANTEC** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** |
| **Laboratory Work Order** | | | | | **WP2502936** | **WP2503946** | **WP2505581** | **WP2507527** | **WP2519182** | **WP2520648** | **WP2521492** | **FIELD2025** | **WP2502751** | **WP2503946** | **WP2505581** | **WP2507298** | **WP2519182** | **WP2521634** |
| **Laboratory Sample ID** | | | | | **WP2502936-018** | **WP2503946-004** | **WP2505581-018** | **WP2507527-011** | **WP2519182-001** | **WP2520648-017** | **WP2521492-008** | **FIELD** | **WP2502751-016** | **WP2503946-018** | **WP2505581-004** | **WP2507298-033** | **WP2519182-004** | **WP2521634-011** |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** | | | | | | | | | | | | | | | |
| **Metals, Dissolved** | | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | n/v | n/v | n/v | 0.0516 | 0.0555 | 0.0205 | 0.0638 | 0.0493 | 0.0585 | 0.0654 | - | 0.0053 | 0.0142 | 0.0068 | 0.0103 | 0.0124 | 0.0098 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | 0.34/0.15$_{s2}^{BC}$ | n/v | n/v | 0.00042 | 0.00035 | <0.00010 | 0.00022 | 0.00028 | 0.00032 | 0.00036 | - | 0.00012 | 0.00013 | <0.00010 | 0.00012 | 0.00016 | 0.00015 |
| Barium | mg/L | n/v | n/v | n/v | 0.0198 | 0.0143 | 0.00864 | 0.00451 | 0.00800 | 0.00877 | 0.0119 | - | 0.00630 | 0.00545 | 0.00690 | 0.00463 | 0.00550 | 0.00640 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | - | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | n/v | n/v | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | - | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.0000050 | 0.0000064 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000060 |
| **MSOG Cadmium Guideline (Chronic)** | | | | | 0.00012 | 0.00011 | 0.00007 | 0.00007 | 0.00008 | 0.00009 | 0.00010 | - | 0.00005 | 0.00004 | 0.00006 | 0.00004 | 0.00005 | 0.00005 |
| **MSOG Cadmium Guideline (Acute)** | | | | | 0.00074 | 0.00065 | 0.00038 | 0.00035 | 0.00044 | 0.00052 | 0.00060 | - | 0.00021 | 0.00018 | 0.00026 | 0.00018 | 0.00021 | 0.00024 |
| Calcium | mg/L | n/v | n/v | n/v | 11.7 | 9.58 | 5.78 | 5.05 | 6.28 | 7.69 | 8.14 | - | 2.67 | 2.22 | 3.38 | 2.33 | 2.62 | 2.90 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | 0.000011 | 0.000011 | 0.000011 | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | 0.00054 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00052 |
| **MSOG Chromium Guideline (Chronic)** | | | | | 0.00528 | 0.00492 | 0.00375 | 0.00358 | 0.00402 | 0.00439 | 0.00473 | - | 0.00274 | 0.00252 | 0.00305 | 0.00255 | 0.00274 | 0.00297 |
| Cobalt | mg/L | n/v | n/v | n/v | 0.00041 | 0.00025 | <0.00010 | <0.00010 | 0.00029 | <0.00010 | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 RRV | <0.00010 |
| Copper | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s2}^{F}$ | 0.00104 | 0.00064 | 0.00035 | 0.00066 | 0.00081 | 0.00076 | 0.00082 | - | **0.00174 RRV$^{BC}$** | 0.00041 | 0.00045 | 0.00040 | 0.00035 | **0.00157$^{BC}$** |
| **MSOG Copper Guideline (Chronic)** | | | | | 0.00371 | 0.00330 | 0.00208 | 0.00192 | 0.00234 | 0.00272 | 0.00308 | - | 0.00122 | 0.00107 | 0.00146 | 0.00108 | 0.00122 | 0.00140 |
| **MSOG Copper Guideline (Acute)** | | | | | 0.0051 | 0.0045 | 0.0027 | 0.0025 | 0.0031 | 0.0036 | 0.0041 | - | 0.0015 | 0.0013 | 0.0018 | 0.0013 | 0.0015 | 0.0017 |
| **FEQG Copper Guideline (Chronic)** | | | | | 0.0033 | 0.0022 | 0.0014 | 0.0059 | 0.0020 | 0.0024 | 0.0067 | - | 0.0074 | 0.0007 | 0.0025 | 0.0012 | 0.0007 | 0.0018 |
| Iron | mg/L | n/v | n/v | n/v | 3.65 | 1.31 | 0.507 | 0.280 | 0.088 | 0.111 | 0.120 | - | 0.069 | 0.085 | 0.098 | 0.065 | 0.076 | 0.086 |
| Lead | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s3}^{F}$ | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| **MSOG Lead Guideline (Chronic)** | | | | | 0.00081 | 0.00069 | 0.00038 | 0.00034 | 0.00044 | 0.00054 | 0.00063 | - | 0.00019 | 0.00015 | 0.00024 | 0.00016 | 0.00019 | 0.00022 |
| **MSOG Lead Guideline (Acute)** | | | | | 0.02071 | 0.01774 | 0.00964 | 0.00868 | 0.01128 | 0.01376 | 0.01621 | - | 0.00475 | 0.00395 | 0.00604 | 0.00403 | 0.00476 | 0.00570 |
| **FEQG Lead Guideline (Chronic)** | | | | | 0.0145 | 0.0163 | 0.0097 | 0.0112 | 0.0139 | 0.0152 | 0.0168 | - | 0.0076 | 0.0077 | 0.0078 | 0.0077 | 0.0080 | 0.0081 |
| Lithium | mg/L | n/v | n/v | n/v | 0.0017 | 0.0013 | <0.0010 | 0.0012 | <0.0010 | 0.0021 | 0.0012 | - | <0.0010 | <0.0010 | 0.0013 | <0.0010 | <0.0010 | 0.0017 |
| Magnesium | mg/L | n/v | n/v | n/v | 1.58 | 1.75 | 0.886 | 0.938 | 1.14 | 1.37 | 1.56 | - | 0.742 | 0.665 | 0.877 | 0.633 | 0.702 | 0.835 |
| Manganese | mg/L | n/v | Equation*$_{EQ3,EQ4}^{DE}$ | n/v | **0.472$^{E}$** | 0.219 | 0.0484 | 0.00278 | 0.00598 | 0.00425 | 0.0145 | - | 0.00550 | 0.00719 | 0.0150 | 0.00908 | 0.00601 | 0.00432 |
| **CCME Manganese Guideline (Chronic)** | | | | | 0.380 | 0.350 | 0.210 | 0.230 | 0.260 | 0.210 | 0.330 | - | 0.230 | 0.210 | 0.210 | 0.250 | 0.230 | 0.210 |
| **CCME Manganese Guideline (Acute)** | | | | | 2.695 | 2.387 | 1.484 | 1.368 | 1.677 | 1.957 | 2.225 | - | 0.860 | 0.747 | 1.035 | 0.758 | 0.861 | 0.989 |
| Mercury | mg/L | n/v | n/v | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 SFP |
| Methyl Mercury | µg/L | n/v | n/v | n/v | <0.000020 | 0.000250 | 0.000259 | 0.000119 | - | - | - | - | 0.000024 | 0.000020 | 0.000040 | 0.000030 | - | - |
| Molybdenum | mg/L | n/v | n/v | n/v | 0.000098 | 0.000102 | <0.000050 | 0.000057 | 0.000068 | 0.000081 | 0.000087 | - | 0.000073 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Nickel | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | 0.00085 | 0.00105 | <0.00050 | <0.00050 | 0.00162 | 0.00119 | 0.00139 | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00097 | 0.00060 |
| **MSOG Nickel Guideline (Chronic)** | | | | | 0.022 | 0.019 | 0.012 | 0.011 | 0.014 | 0.016 | 0.018 | - | 0.007 | 0.006 | 0.009 | 0.006 | 0.007 | 0.008 |
| **MSOG Nickel Guideline (Acute)** | | | | | 0.196 | 0.174 | 0.110 | 0.102 | 0.124 | 0.144 | 0.163 | - | 0.065 | 0.057 | 0.078 | 0.058 | 0.065 | 0.075 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | - | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 0.874 | 0.904 | 0.491 | 0.505 | 1.21 | 1.40 | 1.59 | - | 0.588 | 0.510 | 0.695 | 0.511 | 0.639 | 0.762 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00118 | 0.00113 | 0.00079 | 0.00069 | 0.00189 | 0.00216 | 0.00250 | - | 0.00106 | 0.00093 | 0.00119 | 0.00093 | 0.00103 | 0.00125 |
| Selenium | mg/L | n/v | n/v | n/v | 0.000084 | 0.000073 | 0.000061 | <0.000050 | <0.000050 | 0.000057 | <0.000050 | - | 0.000089 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000062 |
| Silicon | mg/L | n/v | n/v | n/v | 1.50 | 2.17 | 0.823 | 0.948 | 1.92 | 2.29 | 2.96 | - | 3.51 | 3.55 | 3.68 | 2.54 | 2.37 | 2.86 |
| Silver | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 1.90 | 2.87 | 1.34 | 1.33 | 1.53 | 1.77 | 2.03 | - | 1.18 | 1.04 | 1.36 | 0.996 | 1.10 | 1.28 |
| Strontium | mg/L | n/v | n/v | 2.5$^{F}$ | 0.0346 | 0.0343 | 0.0171 | 0.0146 | 0.0194 | 0.0243 | 0.0280 | - | 0.0130 | 0.0120 | 0.0146 | 0.0105 | 0.0115 | 0.0131 |
| Sulfur | mg/L | n/v | n/v | n/v | 0.50 | 0.97 | <0.50 | <0.50 | 0.65 | 0.93 | 1.12 | - | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00020 | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | 0.00043 | 0.00044 | <0.00030 | 0.00051 | 0.00041 | 0.00049 | 0.00043 | - | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | n/v | n/v | n/v | <0.000010 | 0.000014 | <0.000010 | <0.000010 | 0.000011 | 0.000014 | 0.000016 | - | 0.000015 | 0.000011 | 0.000014 | 0.000015 | 0.000015 | 0.000015 |
| Vanadium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | Equation*$_{s5}^{BC}$ | Equation*$_{EQ1,EQ2}^{DE}$ | n/v | 0.0046 | 0.0020 | 0.0023 | 0.0012 | 0.0018 | 0.0013 | 0.0013 | - | 0.0027 | 0.0011 | 0.0018 | 0.0011 | 0.0015 | 0.0021 |
| **MSOG Zinc Guideline (Chronic)** | | | | | 0.049 | 0.044 | 0.028 | 0.026 | 0.031 | 0.036 | 0.041 | - | 0.016 | 0.014 | 0.020 | 0.015 | 0.016 | 0.019 |
| **MSOG Zinc Guideline (Acute)** | | | | | 0.049 | 0.044 | 0.028 | 0.025 | 0.031 | 0.036 | 0.041 | - | 0.016 | 0.014 | 0.019 | 0.014 | 0.016 | 0.019 |
| **CCME Zinc Guideline (Chronic)** | | | | | 0.034 | 0.020 | 0.014 | 0.011 | 0.017 | 0.020 | 0.029 | - | 0.008 | 0.005 | 0.008 | 0.006 | 0.007 | 0.010 |
| **CCME Zinc Guideline (Acute)** | | | | | 0.066 | 0.063 | 0.033 | 0.033 | 0.044 | 0.052 | 0.060 | - | 0.019 | 0.017 | 0.022 | 0.017 | 0.019 | 0.022 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | - | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | MacLellan | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQM5 - Surface | | | | | | | AQM8 - Surface | | | | | | |
| Sample Date | | | | | 1-Mar-25 | 22-Mar-25 | 26-Apr-25 | 25-May-25 | 29-Oct-25 | 26-Nov-25 | 14-Dec-25 | 21-Jan-25 | 26-Feb-25 | 22-Mar-25 | 25-Apr-25 | 24-May-25 | 29-Oct-25 | 17-Dec-25 |
| Sample ID | | | | | AQM5 | AQM5 | AQM5 | AQM5 | AQM5 | AQM5 | AQM5 | AQM8 | AQM8 | AQM8 | AQM8 | AQM8 | AQM8 | AQM8 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | STANTEC | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2502936 | WP2503946 | WP2505581 | WP2507527 | WP2519182 | WP2520648 | WP2521492 | FIELD2025 | WP2502751 | WP2503946 | WP2505581 | WP2507298 | WP2519182 | WP2521634 |
| Laboratory Sample ID | | | | | WP2502936-018 | WP2503946-004 | WP2505581-018 | WP2507527-011 | WP2519182-001 | WP2520648-017 | WP2521492-008 | FIELD | WP2502751-016 | WP2503946-018 | WP2505581-004 | WP2507298-033 | WP2519182-004 | WP2521634-011 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | |
| **Metals, Total** | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | $0.005/0.1_{VAR}^{C}$ | $0.005/0.1_{VAR1}^{E}$ | Equation$^{*}{}_{s1}^{F}$ | 0.0663 | 0.0654 | 0.0904 | 0.0896 | 0.0809 | 0.0701 | 0.0972 | - | 0.0118 | 0.0125 | 0.0351 | 0.0288 | 0.0284 | 0.0963 |
| FEQG Aluminum Guideline (Chronic) | | | | | 0.59 | 0.45 | 0.42 | 0.79 | 0.42 | 0.45 | 0.67 | - | 1.3 | 0.25 | 0.51 | 0.32 | 0.25 | 0.42 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | n/v | $0.005^{E}$ | n/v | 0.00035 | 0.00036 | 0.00024 | 0.00023 | 0.00035 | 0.00036 | 0.00043 | - | 0.00016 | 0.00014 | 0.00020 | 0.00019 | 0.00017 | 0.00020 |
| Barium | mg/L | n/v | n/v | n/v | 0.0210 | 0.0147 | 0.00988 | 0.00504 | 0.00856 | 0.00944 | 0.0124 | - | 0.00647 | 0.00661 | 0.00721 | 0.00552 | 0.00590 | 0.00828 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | - | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | $29/1.5_{s3}^{C}$ | $29^{D}$ $1.5^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | - | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | n/v | $0.001_{STB}^{D}$ $0.00009_{LTG}^{E}$ | n/v | <0.0000050 | <0.0000050 | 0.0000060 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000067 | - | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000113 | <0.0000050 | 0.0000088 |
| CCME Cadmium Guideline (Chronic) | | | | | 0.00007 | 0.00006 | 0.00004 | 0.00004 | 0.00004 | 0.00005 | 0.00006 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 |
| CCME Cadmium Guideline (Acute) | | | | | 0.00074 | 0.00064 | 0.00037 | 0.00034 | 0.00043 | 0.00051 | 0.00059 | 0.00011 | 0.00020 | 0.00017 | 0.00024 | 0.00017 | 0.00020 | 0.00023 |
| Calcium | mg/L | n/v | n/v | n/v | 11.3 | 10.2 | 5.86 | 5.10 | 6.32 | 7.48 | 8.72 | - | 2.75 | 2.91 | 2.96 | 2.42 | 2.69 | 3.14 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | 0.000011 | <0.000010 | 0.000012 | <0.000010 | 0.000014 | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | 0.000016 |
| Chromium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Chromium (Hexavalent) | mg/L | n/v | $0.001^{E}$ | $0.005^{F}$ | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | **0.00400$^{E}$** | **0.00108 RRV$^{E}$** | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Cobalt | mg/L | n/v | n/v | Equation$^{*}{}_{s4}^{F}$ | 0.00042 | 0.00027 | 0.00012 | <0.00010 | 0.00011 | <0.00010 | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00013 |
| FEQG Cobalt Guideline (Chronic) | | | | | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | - | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 |
| Copper | mg/L | n/v | Equation$^{*}{}_{EQ6}^{E}$ | n/v | 0.00062 | 0.00063 | 0.00074 | 0.00058 | 0.00088 | 0.00096 | 0.00181 | - | <0.00050 | <0.00050 | 0.00068 | <0.00050 | <0.00050 | 0.00132 |
| CWQG Copper Guideline (Chronic) | | | | | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| Iron | mg/L | $0.3^{C}$ | $0.3^{E}$ | Equation$^{*}{}_{s5}^{F}$ | **4.00$^{CEF}$** | **1.67$^{CEF}$** | **0.869$^{CEF}$** | **0.428$^{CE}$** | **0.334$^{CE}$** | 0.219 | 0.237 | - | 0.134 | 0.166 | 0.299 | 0.180 | 0.212 | **0.442$^{CE}$** |
| FEQG Iron Guideline (Chronic) | | | | | 0.80 | 0.79 | 0.78 | 0.80 | 0.79 | 0.79 | 0.80 | - | 0.68 | 0.70 | 0.67 | 0.71 | 0.72 | 0.71 |
| Lead | mg/L | n/v | Equation$^{*}{}_{EQ5}^{E}$ | n/v | <0.000050 | <0.000050 | 0.000095 | <0.000050 | <0.000050 | <0.000050 | 0.000053 | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000098 |
| CWQG Lead Guideline (Chronic) | | | | | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Lithium | mg/L | n/v | n/v | n/v | 0.0021 | 0.0015 | <0.0010 | 0.0017 | <0.0010 | 0.0012 | 0.0026 | - | 0.0013 | <0.0010 | 0.0014 | <0.0010 | <0.0010 | 0.0022 |
| Magnesium | mg/L | n/v | n/v | n/v | 1.64 | 1.75 | 0.918 | 0.950 | 1.22 | 1.38 | 1.69 | - | 0.769 | 0.808 | 0.791 | 0.671 | 0.733 | 0.871 |
| Manganese | mg/L | n/v | n/v | n/v | 0.477 | 0.242 | 0.0757 | 0.0190 | 0.0376 | 0.0139 | 0.0242 | - | 0.00860 | 0.0115 | 0.0187 | 0.0171 | 0.0120 | 0.0418 |
| Mercury | mg/L | $0.000026^{C}$ | $0.000026^{E}$ | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | $0.004^{E}$ | n/v | 0.00107 | 0.000219 | 0.000257 | 0.000154 | - | - | - | - | 0.000026 | <0.000020 | 0.000048 | 0.000043 | - | - |
| Molybdenum | mg/L | $0.073^{C}$ | $0.073^{E}$ | n/v | 0.000066 | 0.000103 | <0.000050 | 0.000057 | 0.000074 | 0.000095 | 0.000099 | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Nickel | mg/L | n/v | Equation$^{*}{}_{EQ7}^{E}$ | n/v | 0.00088 | 0.00112 | 0.00080 | 0.00059 | 0.00120 | 0.00135 | 0.00187 | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00061 |
| CWQG Nickel Guideline (Chronic) | | | | | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | - | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 0.874 | 0.877 | 0.540 | 0.534 | 1.22 | 1.35 | 1.77 | - | 0.613 | 0.591 | 0.650 | 0.535 | 0.632 | 0.707 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00124 | 0.00121 | 0.00091 | 0.00080 | 0.00205 | 0.00213 | 0.00275 | - | 0.00107 | 0.00112 | 0.00111 | 0.00116 | 0.00121 | 0.00145 |
| Selenium | mg/L | $0.001^{C}$ | $0.001^{E}$ | n/v | <0.000050 | 0.000116 | <0.000050 | <0.000050 | 0.000068 | 0.000060 | 0.000058 | - | 0.000055 | 0.000080 | 0.000090 | 0.000239 | <0.000050 | <0.000050 |
| Silicon | mg/L | n/v | n/v | n/v | 1.66 | 2.20 | 1.09 | 0.99 | 2.01 | 2.33 | 3.00 | - | 3.64 | 3.85 | 3.51 | 2.59 | 2.57 | 3.14 |
| Silver | mg/L | $0.0001^{C}$ | $0.00025^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 1.99 | 2.85 | 1.48 | 1.31 | 1.59 | 1.81 | 2.16 | - | 1.24 | 1.19 | 1.18 | 0.993 | 1.10 | 1.29 |
| Strontium | mg/L | n/v | n/v | n/v | 0.0379 | 0.0340 | 0.0183 | 0.0149 | 0.0205 | 0.0234 | 0.0328 | - | 0.0134 | 0.0140 | 0.0136 | 0.0108 | 0.0120 | 0.0138 |
| Sulfur | mg/L | n/v | n/v | n/v | 0.58 | 0.84 | <0.50 | <0.50 | 0.81 | 0.92 | 1.28 | - | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | $0.0008^{C}$ | $0.0008^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | 0.00055 | 0.00072 | 0.00239 | 0.00095 | 0.00109 | 0.00088 | 0.00135 | - | 0.00030 | <0.00030 | 0.00138 | 0.00136 | 0.00090 | 0.00536 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | $0.033/0.015_{s4}^{C}$ | $0.033^{D}$ $0.015^{E}$ | n/v | <0.000010 | 0.000015 | 0.000013 | 0.000012 | 0.000017 | 0.000016 | 0.000019 | - | 0.000014 | 0.000015 | 0.000018 | 0.000016 | 0.000020 | 0.000032 |
| Vanadium | mg/L | n/v | n/v | $0.12^{F}$ | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | n/v | n/v | n/v | 0.0031 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | 0.0031 | - | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | 0.0030 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | 0.00027 | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| **Area** | | | | | **MacLellan** | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Location** | | | | | **AQM9 - Surface** | | | | | | **AQM9 - Deep** | | | | |
| **Sample Date** | | | | | **28-Feb-25** | **21-Mar-25** | **25-Apr-25** | **24-Oct-25** | **25-Nov-25** | **17-Dec-25** | **21-Mar-25** | **25-Apr-25** | **24-Oct-25** | **25-Nov-25** | **17-Dec-25** |
| **Sample ID** | | | | | **AQM9** | **AQM9-Surface** | **AQM9 - Surface** | **AQM9-surface** | **AQM9-surface** | **AQM9-Surface** | **AQM9-Deep** | **AQM9 - Deep** | **AQM9-deep** | **AQM9-deep** | **AQM9-Deep** |
| **Sampling Company** | | | | | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** |
| **Laboratory** | | | | | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** |
| **Laboratory Work Order** | | | | | **WP2502936** | **WP2503946** | **WP2505581** | **WP2518837** | **WP2520648** | **WP2521634** | **WP2503946** | **WP2505581** | **WP2518837** | **WP2520648** | **WP2521634** |
| **Laboratory Sample ID** | | | | | **WP2502936-005** | **WP2503946-015** | **WP2505581-007** | **WP2518837-022** | **WP2520648-005** | **WP2521634-013** | **WP2503946-016** | **WP2505581-008** | **WP2518837-023** | **WP2520648-006** | **WP2521634-014** |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** | | | | | | | | | | | |
| **Field Parameters** | | | | | | | | | | | | | | | |
| Dissolved Oxygen, Field | mg/L | >6.0$^{BC}$ | >6.5$_{VAR}^{E}$ | n/v | 12.67 | 17.62 | 15.11 | 12.81 | 15.86 | 15.87 | **5.81**$^{BCE}$ | 8.17 | **5.38**$^{BCE}$ | 14.93 | 14.59 |
| Electrical Conductivity, Field | mS/cm | n/v | n/v | n/v | 1.2 | 41.4 | 19.8 | 52.8 | 25.1 | 22.2 | 52.8 | 27.1 | 53 | 25.9 | 22.4 |
| Oxidation Reduction Potential, field | mV | n/v | n/v | n/v | 94.4 | 88.3 | 146.9 | 99.5 | 227.2 | -11.3 | 114.5 | 146.6 | 19 | 228.5 | 29.4 |
| pH, Field | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v | 7.19 | 6.54 | 6.67 | 7.07 | 6.92 | 7.04 | **6.41**$^{CE}$ | 6.61 | 6.67 | 6.78 | 6.95 |
| Specific Conductance, Field | µS/cm | n/v | n/v | n/v | 2.3 | 78.2 | 36.5 | 87.1 | 47.1 | 42.5 | 90.2 | 46.7 | 87.3 | 45.7 | 39.8 |
| Temperature, Field | deg C | n/v | n/v | n/v | -0.1 | 0.3 | 2.2 | 4.391 | 0.557 | 0.008 | 3.2 | 3.7 | 4.455 | 2.349 | 2.115 |
| Total Dissolved Solids, Field | mg/L | n/v | n/v | n/v | 2.00 | 50.7 | 23.4 | 57 | 31 | 28 | 58.5 | 29.9 | 57 | 30 | 26 |
| Turbidity, Field | NTU | n/v | n/v | n/v | 1.69 | 1.48 | 3.12 | - | 0.82 | 0.66 | 2.88 | 0.73 | - | 4.08 | 0 |
| **General Chemistry** | | | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | n/v | n/v | n/v | 5.7 | 3.7 | 2.2 | 2.1 | 2.2 | 2.2 | 2.8 | 2.7 | 2.2 | 2.4 | <2.0 |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | n/v | n/v | n/v | 12.3 | 13.1 | 10.0 | 11.1 | 12.5 | 13.2 | 12.3 | 12.6 | 10.2 | 12.5 | 12.4 |
| Alkalinity, Carbonate (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Phenolphthalein | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Total (as CaCO3) | mg/L | n/v | n/v | n/v | 12.3 | 13.1 | 10.0 | 11.1 | 12.5 | 13.2 | 12.3 | 12.6 | 10.2 | 12.5 | 12.4 |
| Ammonia (as N) | mg/L | Equation*$_{TBC}^{BC}$ | 0.0173/190$_{TBC2}^{E}$ | n/v | 0.0606 | 0.0599 | 0.0192 | 0.0098 | 0.0053 | 0.0275 RRV | 0.0482 | <0.0050 | <0.0050 | 0.0081 | 0.0209 |
| **MSOG Ammonia Guideline (Chronic)** | | | | | 5.42 | 6.63 | 6.48 | 5.74 | 6.08 | 5.82 | 6.67 | 6.55 | 6.48 | 6.33 | 6.02 |
| **CCME Ammonia Guideline (Chronic)** | | | | | 6.02 | 60.04 | 12.58 | 12.58 | 19.00 | 19.00 | 39.72 | 12.58 | 12.58 | 12.58 | 12.58 |
| Bromide | mg/L | n/v | n/v | n/v | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| Chloride | mg/L | n/v | 640$^{D}$ 120$^{E}$ | n/v | 1.15 | 0.67 | <0.50 | 1.33 | 0.76 | 0.81 | 0.72 | 0.74 | 1.11 | 0.80 | 0.71 |
| Cyanate | mg/L | n/v | n/v | n/v | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| Cyanide | mg/L | 0.022/0.0052$_{s1}^{C}$ | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Free) | mg/L | 0.022/0.0052$_{s1}^{B}$ | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Weak Acid Dissociable) | mg/L | n/v | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Dissolved Organic Carbon (DOC) | mg/L | n/v | n/v | n/v | 9.57 | 11.6 | 8.59 RRV | 12.4 | 13.2 | 12.8 RRV | 10.2 | 10.7 | 12.4 | 12.4 | 12.3 |
| Electrical Conductivity, Lab | µS/cm | n/v | n/v | n/v | 48.0 | 49.2 | 29.7 | 42.4 | 50.4 | 45.5 | 52.4 | 49.7 | 39.0 | 45.3 | 42.0 |
| Fluoride | mg/L | n/v | 0.12$^{E}$ | n/v | 0.069 | 0.076 | 0.036 | 0.059 | 0.071 | 0.073 | 0.069 | 0.073 | 0.048 | 0.069 | 0.067 |
| Hardness (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | 16.5 | 18.6 | 18.9 | - | - | 14.5 | 17.6 | 17.5 |
| Hardness (as CaCO3), dissolved | mg/L | n/v | n/v | n/v | 17.6 | 13.8 | 13.6 | 15.8 | 19.3 | 17.9 | 14.9 | 20.2 | 14.2 | 18.1 | 16.6 |
| Nitrate (as N) | mg/L | 13$^{C}$ | 124$^{D}$ 3.0$^{E}$ | n/v | 0.044 | 0.082 | 0.087 | <0.020 | 0.383 | 0.025 | 0.039 | 0.065 | <0.020 | <0.020 | <0.020 |
| Nitrate + Nitrite (as N) | mg/L | 10$^{B}$ 10$^{C}$ | n/v | n/v | 0.0440 | 0.0820 | 0.0870 | <0.022 | 0.383 | 0.0250 | 0.0390 | 0.0650 | <0.022 | <0.022 | <0.022 |
| Nitrite (as N) | mg/L | 0.06$^{C}$ | 0.06$^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| pH, lab | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v | 6.86 | 7.23 | 7.17 | 7.08 | 7.11 | 6.94 | 7.18 | 6.99 | 7.03 | 7.07 | 6.97 |
| Phosphorus, Total | mg/L | 0.025$^{A}$ | n/v | n/v | 0.0136 | 0.0135 | 0.0201 | 0.0179 | 0.0186 | 0.0137 | 0.0206 | 0.0116 | 0.0162 | 0.0159 | 0.0127 |
| Phosphorus, Total (Dissolved) | mg/L | n/v | n/v | n/v | 0.0072 | 0.0084 | 0.0061 | 0.0063 | 0.0074 | 0.0058 | 0.0093 | 0.0061 | 0.0063 | 0.0061 | 0.0060 |
| Sulfate | mg/L | n/v | n/v | n/v | 5.70 | 4.70 | 2.51 | 3.96 | 4.81 | 4.77 | 6.91 | 7.20 | 3.81 | 4.59 | 4.52 |
| Thiocyanate | mg/L | n/v | n/v | n/v | <0.50 SFT | 0.75 SFT | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 SFT | 0.55 | <0.50 | <0.50 | <0.50 |
| Total Dissolved Solids | mg/L | n/v | n/v | n/v | 44.2 | 29.2 | 17.3 | 25.0 | 38.3 | 39.1 | 35.0 | 45.6 | 34.3 | 44.5 | 41.3 |
| Total Kjeldahl Nitrogen | mg/L | n/v | n/v | n/v | 0.416 | 0.381 | 0.315 | 0.445 | 0.582 | 0.415 | 0.400 | 0.350 | 0.438 | 0.572 | 0.405 |
| Total Organic Carbon | mg/L | n/v | n/v | n/v | 10.5 | 11.0 | 6.89 RRV | 11.6 | 13.7 | 12.9 RRV | 10.6 | 9.94 | 11.6 | 12.2 | 12.9 |
| Total Suspended Solids | mg/L | $_{SN}^{BC}$ | $_{SN}^{E}$ | n/v | <1.0 | 1.8 | 3.8 | <1.0 | <1.0 | <1.0 | 7.2 | <1.0 | <1.0 | 2.0 | <1.0 |
| Turbidity, Lab | NTU | n/v | n/v | n/v | 0.43 | 1.06 | 2.16 | 1.89 | 1.23 | 0.82 | 1.86 | 0.51 | 2.01 | 1.20 | 0.83 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| Area | | | | | MacLellan | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Location** | | | | | AQM9 - Surface | | | | | | AQM9 - Deep | | | | |
| **Sample Date** | | | | | 28-Feb-25 | 21-Mar-25 | 25-Apr-25 | 24-Oct-25 | 25-Nov-25 | 17-Dec-25 | 21-Mar-25 | 25-Apr-25 | 24-Oct-25 | 25-Nov-25 | 17-Dec-25 |
| **Sample ID** | | | | | AQM9 | AQM9-Surface | AQM9 - Surface | AQM9-surface | AQM9-surface | AQM9-Surface | AQM9-Deep | AQM9 - Deep | AQM9-deep | AQM9-deep | AQM9-Deep |
| **Sampling Company** | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| **Laboratory** | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| **Laboratory Work Order** | | | | | WP2502936 | WP2503946 | WP2505581 | WP2518837 | WP2520648 | WP2521634 | WP2503946 | WP2505581 | WP2518837 | WP2520648 | WP2521634 |
| **Laboratory Sample ID** | | | | | WP2502936-005 | WP2503946-015 | WP2505581-007 | WP2518837-022 | WP2520648-005 | WP2521634-013 | WP2503946-016 | WP2505581-008 | WP2518837-023 | WP2520648-006 | WP2521634-014 |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** | | | | | | | | | | | |
| **Metals, Dissolved** | | | | | | | | | | | | | | | |
| Aluminum | mg/L | n/v | n/v | n/v | 0.0264 | 0.0188 | 0.0099 | 0.0300 | 0.0396 | 0.0336 | 0.0219 | 0.0231 | 0.0288 | 0.0381 | 0.0297 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | 0.34/0.15$_{s2}^{BC}$ | n/v | n/v | 0.00020 | 0.00015 | <0.00010 | 0.00018 | 0.00021 | 0.00021 | 0.00016 | <0.00010 | 0.00019 | 0.00020 | 0.00020 |
| Barium | mg/L | n/v | n/v | n/v | 0.00834 | 0.00714 | 0.00783 | 0.00656 | 0.00717 | 0.00775 | 0.00640 | 0.00824 | 0.00620 | 0.00679 | 0.00687 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | n/v | n/v | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | 0.0000072 | 0.0000067 | 0.0000078 | 0.0000084 | 0.0000051 | 0.0000124 | 0.0000116 | 0.0000060 | 0.0000073 | <0.0000050 | 0.0000077 |
| **MSOG Cadmium Guideline (Chronic)** | | | | | 0.00007 | 0.00006 | 0.00006 | 0.00007 | 0.00008 | 0.00008 | 0.00007 | 0.00008 | 0.00006 | 0.00007 | 0.00007 |
| **MSOG Cadmium Guideline (Acute)** | | | | | 0.00037 | 0.00029 | 0.00029 | 0.00035 | 0.00041 | 0.00040 | 0.00032 | 0.00042 | 0.00031 | 0.00038 | 0.00037 |
| Calcium | mg/L | n/v | n/v | n/v | 5.02 | 3.86 | 3.88 | 4.58 | 5.60 | 5.00 | 4.23 | 5.86 | 4.11 | 5.25 | 4.67 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00165 RRV | <0.00050 | <0.00050 |
| **MSOG Chromium Guideline (Chronic)** | | | | | 0.00370 | 0.00327 | 0.00325 | 0.00358 | 0.00387 | 0.00383 | 0.00340 | 0.00396 | 0.00335 | 0.00375 | 0.00369 |
| Cobalt | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Copper | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s2}^{F}$ | **0.00255 RRV$^{BC}$** | **0.00114$^{F}$** | **0.00098$^{F}$** | **0.00249$^{BC}$** | **0.00228$^{BC}$** | 0.00214 | **0.00219$^{BCF}$** | **0.00164$^{F}$** | **0.00177$^{BCF}$** | **0.00212$^{BCF}$** | 0.00176 |
| **MSOG Copper Guideline (Chronic)** | | | | | 0.00203 | 0.00165 | 0.00163 | 0.00192 | 0.00220 | 0.00216 | 0.00176 | 0.00228 | 0.00172 | 0.00208 | 0.00202 |
| **MSOG Copper Guideline (Acute)** | | | | | 0.0026 | 0.0021 | 0.0021 | 0.0025 | 0.0029 | 0.0028 | 0.0022 | 0.0030 | 0.0022 | 0.0027 | 0.0026 |
| **FEQG Copper Guideline (Chronic)** | | | | | 0.0037 | 0.0009 | 0.0009 | 0.0038 | 0.0030 | 0.0038 | 0.0011 | 0.0011 | 0.0014 | 0.0020 | 0.0029 |
| Iron | mg/L | n/v | n/v | n/v | 0.107 | 0.098 | 0.080 | 0.131 | 0.166 | 0.134 | 0.092 | 0.078 | 0.121 | 0.150 | 0.113 |
| Lead | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s3}^{F}$ | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| **MSOG Lead Guideline (Chronic)** | | | | | 0.00036 | 0.00028 | 0.00027 | 0.00034 | 0.00040 | 0.00039 | 0.00030 | 0.00043 | 0.00029 | 0.00038 | 0.00036 |
| **MSOG Lead Guideline (Acute)** | | | | | 0.00934 | 0.00708 | 0.00697 | 0.00868 | 0.01037 | 0.01012 | 0.00773 | 0.01091 | 0.00749 | 0.00964 | 0.00928 |
| **FEQG Lead Guideline (Chronic)** | | | | | 0.0091 | 0.0096 | 0.0082 | 0.0103 | 0.0110 | 0.0107 | 0.0091 | 0.0099 | 0.0100 | 0.0105 | 0.0104 |
| Lithium | mg/L | n/v | n/v | n/v | 0.0012 | <0.0010 | <0.0010 | 0.0013 | 0.0022 | 0.0019 | <0.0010 | 0.0014 | 0.0013 | 0.0021 | 0.0017 |
| Magnesium | mg/L | n/v | n/v | n/v | 1.22 | 1.01 | 0.964 | 1.05 | 1.29 | 1.31 | 1.05 | 1.36 | 0.962 | 1.20 | 1.21 |
| Manganese | mg/L | n/v | Equation*$_{EQ3,EQ4}^{DE}$ | n/v | 0.00646 | 0.00530 | 0.00775 | 0.00246 | 0.00210 | 0.00429 | 0.00817 | 0.00742 | 0.00406 | 0.00266 | 0.00337 |
| **CCME Manganese Guideline (Chronic)** | | | | | 0.230 | 0.260 | 0.210 | 0.230 | 0.250 | 0.230 | 0.250 | 0.200 | 0.210 | 0.230 | 0.230 |
| **CCME Manganese Guideline (Acute)** | | | | | 1.448 | 1.170 | 1.155 | 1.368 | 1.570 | 1.542 | 1.251 | 1.634 | 1.222 | 1.484 | 1.441 |
| Mercury | mg/L | n/v | n/v | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 SFP |
| Methyl Mercury | µg/L | n/v | n/v | n/v | 0.000027 | 0.000025 | 0.000045 | - | - | - | 0.000027 | 0.000024 | - | - | - |
| Molybdenum | mg/L | n/v | n/v | n/v | 0.000060 | 0.000064 | <0.000050 | 0.000051 | 0.000053 | 0.000066 | 0.000075 | <0.000050 | 0.000069 | 0.000062 | 0.000051 |
| Nickel | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | **0.0176$^{BC}$** | **0.0118$^{BC}$** | **0.0109$^{BC}$** | **0.0192$^{BC}$** | **0.0223$^{BC}$** | **0.0205$^{BC}$** | **0.0168$^{BC}$** | **0.0206$^{BC}$** | **0.0177$^{BC}$** | **0.0212$^{BC}$** | **0.0193$^{BC}$** |
| **MSOG Nickel Guideline (Chronic)** | | | | | 0.012 | 0.010 | 0.010 | 0.011 | 0.013 | 0.013 | 0.010 | 0.013 | 0.010 | 0.012 | 0.012 |
| **MSOG Nickel Guideline (Acute)** | | | | | 0.108 | 0.088 | 0.087 | 0.102 | 0.116 | 0.114 | 0.094 | 0.121 | 0.091 | 0.110 | 0.107 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 0.830 | 0.722 | 0.667 | 0.708 | 0.858 | 0.927 | 0.637 | 0.801 | 0.671 | 0.795 | 0.820 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00141 | 0.00112 | 0.00106 | 0.00115 | 0.00127 | 0.00140 | 0.00097 | 0.00126 | 0.00106 | 0.00119 | 0.00121 |
| Selenium | mg/L | n/v | n/v | n/v | 0.000068 | <0.000050 | <0.000050 | 0.000054 | <0.000050 | <0.000050 | <0.000050 | 0.000058 | <0.000050 | <0.000050 | 0.000096 |
| Silicon | mg/L | n/v | n/v | n/v | 4.00 | 3.75 | 2.86 | 2.30 | 2.95 | 3.31 | 2.93 | 3.53 | 2.31 | 2.75 | 2.86 |
| Silver | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 1.69 | 1.61 | 1.78 | 1.30 | 1.87 | 1.63 | 1.42 | 1.74 | 1.20 | 1.48 | 1.57 |
| Strontium | mg/L | n/v | n/v | 2.5$^{F}$ | 0.0178 | 0.0160 | 0.0149 | 0.0151 | 0.0182 | 0.0178 | 0.0160 | 0.0200 | 0.0148 | 0.0172 | 0.0160 |
| Sulfur | mg/L | n/v | n/v | n/v | 1.99 | 1.58 | 1.28 | 7.40 RRV | 1.62 | 1.66 | 2.03 | 2.46 | 1.45 | 1.52 | 1.48 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | 0.00042 RRV | <0.00010 | <0.00010 | 0.00079 | 0.00018 | 0.00048 | <0.00010 | 0.00052 |
| Titanium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | 0.00031 | 0.00038 | 0.00034 | <0.00030 | <0.00030 | <0.00030 | 0.00043 | <0.00030 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | n/v | n/v | n/v | 0.000016 | 0.000014 | <0.000010 | 0.000019 | 0.000023 | 0.000022 | 0.000015 | 0.000014 | 0.000017 | 0.000020 | 0.000019 |
| Vanadium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | Equation*$_{s5}^{BC}$ | Equation*$_{EQ1,EQ2}^{DE}$ | n/v | 0.0060 | 0.0038 | 0.0034 | **0.0179$^{E}$** | 0.0042 | 0.0051 | 0.0050 | 0.0047 | 0.0040 | 0.0041 | 0.0043 |
| **MSOG Zinc Guideline (Chronic)** | | | | | 0.027 | 0.022 | 0.022 | 0.026 | 0.029 | 0.029 | 0.024 | 0.030 | 0.023 | 0.028 | 0.027 |
| **MSOG Zinc Guideline (Acute)** | | | | | 0.027 | 0.022 | 0.022 | 0.025 | 0.029 | 0.029 | 0.023 | 0.030 | 0.023 | 0.028 | 0.027 |
| **CCME Zinc Guideline (Chronic)** | | | | | 0.014 | 0.009 | 0.008 | 0.012 | 0.014 | 0.016 | 0.010 | 0.015 | 0.011 | 0.014 | 0.014 |
| **CCME Zinc Guideline (Acute)** | | | | | 0.032 | 0.027 | 0.025 | 0.032 | 0.037 | 0.036 | 0.028 | 0.037 | 0.029 | 0.035 | 0.034 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | MacLellan | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQM9 - Surface | | | | | | AQM9 - Deep | | | | |
| Sample Date | | | | | 28-Feb-25 | 21-Mar-25 | 25-Apr-25 | 24-Oct-25 | 25-Nov-25 | 17-Dec-25 | 21-Mar-25 | 25-Apr-25 | 24-Oct-25 | 25-Nov-25 | 17-Dec-25 |
| Sample ID | | | | | AQM9 | AQM9-Surface | AQM9 - Surface | AQM9-surface | AQM9-surface | AQM9-Surface | AQM9-Deep | AQM9 - Deep | AQM9-deep | AQM9-deep | AQM9-Deep |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2502936 | WP2503946 | WP2505581 | WP2518837 | WP2520648 | WP2521634 | WP2503946 | WP2505581 | WP2518837 | WP2520648 | WP2521634 |
| Laboratory Sample ID | | | | | WP2502936-005 | WP2503946-015 | WP2505581-007 | WP2518837-022 | WP2520648-005 | WP2521634-013 | WP2503946-016 | WP2505581-008 | WP2518837-023 | WP2520648-006 | WP2521634-014 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | |
| **Metals, Total** | | | | | | | | | | | | | | | |
| Aluminum | mg/L | $0.005/0.1_{VAR}^{C}$ | $0.005/0.1_{VAR1}^{E}$ | Equation$*_{s1}^{F}$ | 0.0344 | 0.0735 | 0.0732 | 0.0658 | 0.0537 | 0.0534 | 0.0876 | 0.0388 | 0.0693 | 0.0735 | 0.0503 |
| **FEQG Aluminum Guideline (Chronic)** | | | | | 0.67 | 0.32 | 0.31 | 0.68 | 0.59 | 0.68 | 0.26 | 0.38 | 0.40 | 0.49 | 0.60 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | n/v | $0.005^{E}$ | n/v | 0.00023 | 0.00021 | 0.00018 | 0.00022 | 0.00024 | 0.00023 | 0.00020 | 0.00025 | 0.00021 | 0.00025 | 0.00023 |
| Barium | mg/L | n/v | n/v | n/v | 0.00876 | 0.00862 | 0.00821 | 0.00714 | 0.00776 | 0.00800 | 0.00811 | 0.00856 | 0.00685 | 0.00815 | 0.00747 |
| Beryllium | mg/L | n/v | n/v | n/v | 0.000037 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | $29/1.5_{s3}^{C}$ | $29^{D}$ $1.5^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | n/v | $0.001_{STB}^{D}$ $0.00009_{LTG}^{E}$ | n/v | 0.0000234 | 0.0000069 | 0.0000109 | 0.0000112 | 0.0000101 | 0.0000096 | 0.0000096 | 0.0000078 | 0.0000107 | 0.0000073 | 0.0000084 |
| **CCME Cadmium Guideline (Chronic)** | | | | | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 |
| **CCME Cadmium Guideline (Acute)** | | | | | 0.00036 | 0.00028 | 0.00028 | 0.00034 | 0.00039 | 0.00039 | 0.00030 | 0.00041 | 0.00030 | 0.00037 | 0.00036 |
| Calcium | mg/L | n/v | n/v | n/v | 5.39 | 4.89 | 3.32 | 4.71 | 5.23 | 5.34 | 5.30 | 5.44 | 4.12 | 4.92 | 4.87 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | 0.000011 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Chromium (Hexavalent) | mg/L | n/v | $0.001^{E}$ | $0.005^{F}$ | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | **0.00174 RRV$^{E}$** | 0.00085 | <0.00050 | <0.00050 | <0.00050 |
| Cobalt | mg/L | n/v | n/v | Equation$*_{s4}^{F}$ | <0.00010 | <0.00010 | 0.00010 | 0.00014 | <0.00010 | 0.00012 | 0.00012 | <0.00010 | 0.00017 | 0.00013 | 0.00011 |
| **FEQG Cobalt Guideline (Chronic)** | | | | | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 |
| Copper | mg/L | n/v | Equation$*_{EQ6}^{E}$ | n/v | 0.00169 | 0.00154 | 0.00124 | **0.00306$^{E}$** | **0.00303$^{E}$** | **0.00253$^{E}$** | **0.00229$^{E}$** | 0.00186 | **0.00240$^{E}$** | **0.00301$^{E}$** | **0.00232$^{E}$** |
| **CWQG Copper Guideline (Chronic)** | | | | | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| Iron | mg/L | $0.3^{C}$ | $0.3^{E}$ | Equation$*_{s5}^{F}$ | 0.155 | 0.209 | 0.279 | **0.345$^{CE}$** | 0.284 | 0.281 | 0.253 | 0.162 | **0.364$^{CE}$** | **0.330$^{CE}$** | 0.253 |
| **FEQG Iron Guideline (Chronic)** | | | | | 0.74 | 0.79 | 0.67 | 0.80 | 0.80 | 0.80 | 0.73 | 0.77 | 0.79 | 0.80 | 0.80 |
| Lead | mg/L | n/v | Equation$*_{EQ5}^{E}$ | n/v | <0.000050 | 0.000051 | 0.000086 | <0.000050 | <0.000050 | <0.000050 | 0.000055 | <0.000050 | 0.000054 | 0.000058 | <0.000050 |
| **CWQG Lead Guideline (Chronic)** | | | | | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Lithium | mg/L | n/v | n/v | n/v | 0.0012 | 0.0015 | 0.0014 | 0.0015 | 0.0020 | 0.0024 | 0.0010 | 0.0018 | 0.0012 | 0.0018 | 0.0020 |
| Magnesium | mg/L | n/v | n/v | n/v | 1.22 | 1.18 | 0.788 | 1.14 | 1.34 | 1.36 | 1.22 | 1.23 | 1.03 | 1.28 | 1.29 |
| Manganese | mg/L | n/v | n/v | n/v | 0.00808 | 0.00805 | 0.0158 | 0.0131 | 0.00839 | 0.00923 | 0.0122 | 0.00742 | 0.0157 | 0.0116 | 0.00915 |
| Mercury | mg/L | $0.000026^{C}$ | $0.000026^{E}$ | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | $0.004^{E}$ | n/v | 0.000024 | 0.000028 | 0.000043 | - | - | - | 0.000029 | 0.000030 | - | - | - |
| Molybdenum | mg/L | $0.073^{C}$ | $0.073^{E}$ | n/v | <0.000050 | 0.000055 | <0.000050 | 0.000081 | 0.000072 | 0.000061 | 0.000066 | 0.000064 | 0.000061 | 0.000714 | <0.000050 |
| Nickel | mg/L | n/v | Equation$*_{EQ7}^{E}$ | n/v | 0.0186 | 0.0146 | 0.00995 | 0.0212 | 0.0239 | 0.0219 | 0.0209 | 0.0191 | 0.0203 | 0.0233 | 0.0211 |
| **CWQG Nickel Guideline (Chronic)** | | | | | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 0.841 | 0.771 | 0.576 | 0.744 | 0.875 | 0.898 | 0.696 | 0.740 | 0.701 | 0.832 | 0.800 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00134 | 0.00135 | 0.00111 | 0.00117 | 0.00128 | 0.00147 | 0.00131 | 0.00114 | 0.00111 | 0.00122 | 0.00125 |
| Selenium | mg/L | $0.001^{C}$ | $0.001^{E}$ | n/v | 0.000101 | 0.000069 | 0.000074 | <0.000050 | <0.000050 | 0.000091 | 0.000054 | 0.000076 | <0.000050 | <0.000050 | 0.000124 |
| Silicon | mg/L | n/v | n/v | n/v | 4.20 | 4.31 | 2.50 | 2.49 | 2.89 | 3.32 | 3.46 | 3.35 | 2.55 | 2.79 | 2.96 |
| Silver | mg/L | $0.0001^{C}$ | $0.00025^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 2.00 | 1.64 | 1.66 | 1.35 | 2.44 | 1.69 | 1.53 | 1.69 | 1.27 | 1.53 | 1.51 |
| Strontium | mg/L | n/v | n/v | n/v | 0.0189 | 0.0193 | 0.0134 | 0.0165 | 0.0180 | 0.0181 | 0.0187 | 0.0193 | 0.0159 | 0.0176 | 0.0169 |
| Sulfur | mg/L | n/v | n/v | n/v | 2.12 | 1.52 | 1.53 | 1.49 | 1.99 | 1.49 | 2.46 | 2.29 | 1.50 | 1.90 | 1.34 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | $0.0008^{C}$ | $0.0008^{E}$ | n/v | 0.000012 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00111 | 0.00015 | 0.00037 | <0.00010 | 0.00042 |
| Titanium | mg/L | n/v | n/v | n/v | <0.00030 | 0.00308 | 0.00279 | 0.00142 | 0.00107 | 0.00071 | 0.00266 | 0.00048 | 0.00146 | 0.00169 | 0.00074 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | $0.033/0.015_{s4}^{C}$ | $0.033^{D}$ $0.015^{E}$ | n/v | 0.000030 | 0.000025 | 0.000019 | 0.000025 | 0.000027 | 0.000027 | 0.000023 | 0.000020 | 0.000024 | 0.000025 | 0.000025 |
| Vanadium | mg/L | n/v | n/v | $0.12^{F}$ | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | n/v | n/v | n/v | 0.0064 | 0.0047 | 0.0038 | **0.0156$^{E}$** | 0.0052 | 0.0052 | 0.0049 | 0.0037 | 0.0063 | 0.0053 | 0.0044 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | MacLellan | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQM10 - Surface | | | | | | | AQM14 - Surface | | | | | | | AQM15 - Surface |
| Sample Date | | | | | 28-Feb-25 | 21-Mar-25 | 25-Apr-25 | 24-May-25 | 24-Oct-25 | 25-Nov-25 | 17-Dec-25 | 28-Feb-25 | 21-Mar-25 | 25-Apr-25 | 24-May-25 | 29-Oct-25 | 26-Nov-25 | 18-Dec-25 | 28-Feb-25 |
| Sample ID | | | | | AQM10 | AQM10 | AQM10 | AQM10 | AQM10 | AQM10 | AQM10 | AQM14 | AQM14 | AQM14 | AQM14 | AQM14 | AQM14 | AQM14 | AQM15 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2502936 | WP2503946 | WP2505581 | WP2507298 | WP2518837 | WP2520648 | WP2521634 | WP2502936 | WP2503946 | WP2505581 | WP2507298 | WP2519182 | WP2520648 | WP2521634 | WP2502936 |
| Laboratory Sample ID | | | | | WP2502936-006 | WP2503946-014 | WP2505581-001 | WP2507298-030 | WP2518837-024 | WP2520648-004 | WP2521634-012 | WP2502936-011 | WP2503946-008 | WP2505581-014 | WP2507298-029 | WP2519182-009 | WP2520648-018 | WP2521634-020 | WP2502936-010 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | | |
| **Field Parameters** | | | | | | | | | | | | | | | | | | | |
| Dissolved Oxygen, Field | mg/L | $>6.0^{BC}$ | $>6.5_{VAR}^{E}$ | n/v | 12.31 | 10.44 | 12.56 | 9.65 | 11.71 | 11.97 | 9.63 | 9.6 | 8.85 | 7.23 | 10.43 | 12.87 | 25 | 15.7 | 11.91 |
| Electrical Conductivity, Field | mS/cm | n/v | n/v | n/v | 0.6 | 64.3 | 26.7 | 33.4 | 57.9 | 28.4 | 28.4 | 8.4 | 18.3 | 23.1 | 37.5 | 18 | 21.2 | 22.3 | 13.6 |
| Oxidation Reduction Potential, field | mV | n/v | n/v | n/v | 101.6 | 119.9 | 33.15 | 26.65 | 138.9 | 220.4 | 171.7 | 122.6 | -192.4 | 142.2 | 124.6 | 141.1 | 89.5 | 171.5 | 99.7 |
| pH, Field | S.U. | $6.5\text{-}9.0^{C}$ | $6.5\text{-}9.0^{E}$ | n/v | 7.09 | 6.52 | 6.64 | **$6.37^{CE}$** | 6.76 | **$6.39^{CE}$** | **$6.43^{CE}$** | 6.58 | **$6.36^{CE}$** | 6.66 | 6.90 | 6.87 | 7.09 | 6.72 | 7.23 |
| Specific Conductance, Field | µS/cm | n/v | n/v | n/v | 1.1 | 124.3 | 51.2 | 41.3 | 96.1 | 54.1 | 54.2 | 16.1 | 35.2 | 40.7 | 44.5 | 30.1 | 39.2 | 41.4 | 26 |
| Temperature, Field | deg C | n/v | n/v | n/v | -0.1 | 0 | 0 | 15.1 | 4.15 | 0.1 | 0 | 0 | 0 | 3.1 | 16.7 | 3.92 | 0.9 | 0.8 | -0.1 |
| Total Dissolved Solids, Field | mg/L | n/v | n/v | n/v | 1.00 | 79.3 | 33.15 | 94.7 | - | 35.18 | 35 | 11.00 | 22.75 | 26.65 | 29.25 | 19.54 | 25 | 27 | 17.00 |
| Turbidity, Field | NTU | n/v | n/v | n/v | 4.25 | 4.58 | 6.44 | - | - | 4.29 | 3.88 | 3.36 | 5.55 | 2.52 | - | - | 8.31 | 5.98 | 3.56 |
| **General Chemistry** | | | | | | | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | n/v | n/v | n/v | 16.1 | 7.4 | 6.9 | 3.5 | 2.8 | 2.2 | 5.2 | 10.9 | 10.3 | 5.6 | 3.5 | 2.8 | 3.6 | 3.5 | 12.0 |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | n/v | n/v | n/v | 25.8 | 28.1 | 22.7 | 15.6 | 17.2 | 20.0 | 25.3 | 17.5 | 23.5 | 18.7 | 10.7 | 12.7 | 16.4 | 18.5 | 31.0 |
| Alkalinity, Carbonate (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Phenolphthalein | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Total (as CaCO3) | mg/L | n/v | n/v | n/v | 25.8 | 28.1 | 22.7 | 15.6 | 17.2 | 20.0 | 25.3 | 17.5 | 23.5 | 18.7 | 10.7 | 12.7 | 16.4 | 18.5 | 31.0 |
| Ammonia (as N) | mg/L | $\text{Equation*}_{TBC}^{BC}$ | $0.0173/190_{TBC2}^{E}$ | n/v | 0.129 | 0.233 | 0.0754 | 0.0120 | 0.0355 | 0.0650 | 0.0612 | 0.0729 | 0.158 | 0.0555 | 0.0157 | 0.0115 | 0.0055 | 0.0102 | 0.0804 |
| **MSOG Ammonia Guideline (Chronic)** | | | | | 5.69 | 6.65 | 6.52 | 6.42 | 6.36 | 6.67 | 6.67 | 6.59 | 6.67 | 6.49 | 5.32 | 6.17 | 5.69 | 6.42 | 5.30 |
| **CCME Ammonia Guideline (Chronic)** | | | | | 19.00 | 60.04 | 19.00 | 18.09 | 12.58 | 60.04 | 60.04 | 60.04 | 60.04 | 12.58 | 3.96 | 12.58 | 19.00 | 19.00 | 6.02 |
| Bromide | mg/L | n/v | n/v | n/v | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| Chloride | mg/L | n/v | $640^{D}$ $120^{E}$ | n/v | 1.19 | 1.11 | 1.42 | <0.50 | 0.55 | 0.51 | <0.50 | 0.78 | 0.90 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.74 |
| Cyanate | mg/L | n/v | n/v | n/v | <0.20 | 0.27 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | 0.22 | 0.28 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| Cyanide | mg/L | $0.022/0.0052_{s1}^{C}$ | $0.005^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Free) | mg/L | $0.022/0.0052_{s1}^{B}$ | $0.005^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Weak Acid Dissociable) | mg/L | n/v | $0.005^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0012 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0011 | <0.0010 | <0.0010 |
| Dissolved Organic Carbon (DOC) | mg/L | n/v | n/v | n/v | 20 | 23.2 | 20.4 | 17.8 | 18.9 | 19 | 11.9 | 23.6 | 24.9 | 29.2 | 18.2 | 24.3 | 28.6 | 32.5 | 15.1 |
| Electrical Conductivity, Lab | µS/cm | n/v | n/v | n/v | 74.0 | 73.2 | 58.0 | 38.4 | 45.6 | 53.5 | 61.2 | 46.4 | 62.0 | 47.2 | 27.3 | 32.2 | 41.5 | 45.2 | 72.8 |
| Fluoride | mg/L | n/v | $0.12^{E}$ | n/v | 0.048 | 0.053 | 0.044 | 0.054 | 0.052 | 0.044 | 0.055 | 0.059 | 0.060 | 0.064 | 0.042 | 0.044 | 0.053 | 0.067 | 0.054 |
| Hardness (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | - | 19.8 | 24.2 | 29.1 | - | - | - | - | 15.5 | 19.5 | 23.8 | - |
| Hardness (as CaCO3), dissolved | mg/L | n/v | n/v | n/v | 27.6 | 25.3 | 27.0 | 17.0 | 18.9 | 24.8 | 28.1 | 21.0 | 19.1 | 22.6 | 12.1 | 14.7 | 19.8 | 21.9 | 34.0 |
| Nitrate (as N) | mg/L | $13^{C}$ | $124^{D}$ $3.0^{E}$ | n/v | 1.27 | 0.220 | 0.070 | <0.020 | 0.047 | 0.107 | 0.125 | <0.020 | 0.048 | 0.024 | <0.020 | <0.020 | <0.020 | <0.020 | 0.335 |
| Nitrate + Nitrite (as N) | mg/L | $10^{B}$ $10^{C}$ | n/v | n/v | 1.27 | 0.220 | 0.0700 | <0.0224 | 0.0470 | 0.107 | 0.125 | <0.0224 | 0.0480 | 0.0240 | <0.0224 | <0.022 | <0.022 | <0.022 | 0.335 |
| Nitrite (as N) | mg/L | $0.06^{C}$ | $0.06^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| pH, lab | S.U. | $6.5\text{-}9.0^{C}$ | $6.5\text{-}9.0^{E}$ | n/v | 6.89 | 7.35 | 6.89 | 7.29 | 7.14 | 6.87 | 6.87 | 6.80 | 7.63 | 6.95 | 7.15 | 7.19 | 7.18 | 6.91 | 7.03 |
| Phosphorus, Total | mg/L | $0.025^{A}$ | n/v | n/v | **$0.0336^{A}$** | **$0.0357^{A}$** | **$0.0420^{A}$** | 0.0210 | **$0.0256^{A}$** | **$0.0279^{A}$** | 0.0214 | 0.0190 | **$0.0854^{A}$** | 0.0218 | **$0.0323^{A}$** | **$0.0513^{A}$** | **$0.0414^{A}$** | **$0.0343^{A}$** | 0.0148 |
| Phosphorus, Total (Dissolved) | mg/L | n/v | n/v | n/v | 0.0203 | 0.0209 | 0.0201 | 0.0118 | 0.0126 | 0.0147 | 0.0104 | 0.0049 | 0.0058 | 0.0056 | 0.0054 | 0.0044 | 0.0041 | 0.0048 | 0.0091 |
| Sulfate | mg/L | n/v | n/v | n/v | 0.95 | 0.36 | 0.76 | 0.42 | 0.69 | 0.68 | 0.89 | <0.30 | <0.30 | <0.30 | <0.30 | <0.30 | <0.30 | <0.30 | 0.78 |
| Thiocyanate | mg/L | n/v | n/v | n/v | <0.50 SFT | 0.66 SFT | 0.72 | 0.57 | 0.57 | 0.56 | 0.50 | <0.50 SFT | 0.63 SFT | 0.58 | <0.50 | 0.56 | 0.54 | 0.58 | <0.50 SFT |
| Total Dissolved Solids | mg/L | n/v | n/v | n/v | 73.0 | 71.4 | 61.7 | 33.2 | 48.8 | 56.0 | 53.7 | 56.2 | 51.5 | 66.6 | 33.4 | 39.8 | 54.2 | 69.6 | 58.3 |
| Total Kjeldahl Nitrogen | mg/L | n/v | n/v | n/v | 0.930 | 1.01 | 0.849 | 0.507 | 0.670 | 0.963 | 0.504 | 0.805 | 2.85 | 0.966 | 0.775 | 1.47 | 1.68 | 1.42 | 0.796 |
| Total Organic Carbon | mg/L | n/v | n/v | n/v | 21.2 | 22.5 | 22.2 | 17.2 | 18.8 | 19.7 | 12.7 | 27.1 | 38.4 | 27.2 | 20.7 | 29.6 | 33.7 | 36.8 | 16.6 |
| Total Suspended Solids | mg/L | $_{SN}^{BC}$ | $_{SN}^{E}$ | n/v | 1.7 | 4.6 | 4.5 | 1.9 | <1.0 | 4.5 | 2.6 | 3.2 | 44.8 | 3.8 | 9.4 | 15.4 | 11.9 | 11.1 | <1.0 |
| Turbidity, Lab | NTU | n/v | n/v | n/v | 2.53 | 3.73 | 4.83 | 1.92 | 2.52 | 3.65 | 3.16 | 1.46 | 4.53 | 2.00 | 3.15 | 10.7 | 8.14 | 7.36 | 1.54 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| Area | | | | | MacLellan | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Location** | | | | | **AQM10 - Surface** | | | | | | | **AQM14 - Surface** | | | | | | | **AQM15 - Surface** |
| **Sample Date** | | | | | **28-Feb-25** | **21-Mar-25** | **25-Apr-25** | **24-May-25** | **24-Oct-25** | **25-Nov-25** | **17-Dec-25** | **28-Feb-25** | **21-Mar-25** | **25-Apr-25** | **24-May-25** | **29-Oct-25** | **26-Nov-25** | **18-Dec-25** | **28-Feb-25** |
| **Sample ID** | | | | | **AQM10** | **AQM10** | **AQM10** | **AQM10** | **AQM10** | **AQM10** | **AQM10** | **AQM14** | **AQM14** | **AQM14** | **AQM14** | **AQM14** | **AQM14** | **AQM14** | **AQM15** |
| **Sampling Company** | | | | | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** |
| **Laboratory** | | | | | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** |
| **Laboratory Work Order** | | | | | **WP2502936** | **WP2503946** | **WP2505581** | **WP2507298** | **WP2518837** | **WP2520648** | **WP2521634** | **WP2502936** | **WP2503946** | **WP2505581** | **WP2507298** | **WP2519182** | **WP2520648** | **WP2521634** | **WP2502936** |
| **Laboratory Sample ID** | | | | | **WP2502936-006** | **WP2503946-014** | **WP2505581-001** | **WP2507298-030** | **WP2518837-024** | **WP2520648-004** | **WP2521634-012** | **WP2502936-011** | **WP2503946-008** | **WP2505581-014** | **WP2507298-029** | **WP2519182-009** | **WP2520648-018** | **WP2521634-020** | **WP2502936-010** |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** | | | | | | | | | | | | | | | |
| **Metals, Dissolved** | | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | n/v | n/v | n/v | 0.0526 | 0.0437 | 0.0604 | 0.0504 | 0.0499 | 0.0600 | 0.0616 | 0.0420 | 0.0386 | 0.0364 | 0.0336 | 0.0384 | 0.0462 | 0.0525 | 0.0127 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | 0.34/0.15$_{s2}^{BC}$ | n/v | n/v | 0.00048 | 0.00048 | 0.00031 | 0.00026 | 0.00028 | 0.00031 | 0.00040 | 0.00030 | 0.00032 | 0.00018 | 0.00018 | 0.00021 | 0.00025 | 0.00029 | 0.00026 |
| Barium | mg/L | n/v | n/v | n/v | 0.00939 | 0.00869 | 0.0106 | 0.00650 | 0.00675 | 0.00856 | 0.00996 | 0.0100 | 0.0106 | 0.00885 | 0.00325 | 0.00196 | 0.00315 | 0.00474 | 0.0157 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | n/v | n/v | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | 0.0000061 | <0.0000050 | 0.0000082 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000134 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| MSOG Cadmium Guideline (Chronic) | | | | | 0.00010 | 0.00009 | 0.00010 | 0.00007 | 0.00008 | 0.00009 | 0.00010 | 0.00008 | 0.00008 | 0.00009 | 0.00006 | 0.00007 | 0.00008 | 0.00009 | 0.00012 |
| MSOG Cadmium Guideline (Acute) | | | | | 0.00058 | 0.00053 | 0.00056 | 0.00036 | 0.00042 | 0.00052 | 0.00061 | 0.00044 | 0.00040 | 0.00047 | 0.00026 | 0.00033 | 0.00042 | 0.00050 | 0.00070 |
| Calcium | mg/L | n/v | n/v | n/v | 8.13 | 7.50 | 7.60 | 4.86 | 5.40 | 7.32 | 8.17 | 5.95 | 5.46 | 6.41 | 3.41 | 4.20 | 5.71 | 6.16 | 10.3 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| MSOG Chromium Guideline (Chronic) | | | | | 0.00464 | 0.00444 | 0.00459 | 0.00363 | 0.00392 | 0.00439 | 0.00476 | 0.00404 | 0.00385 | 0.00419 | 0.00306 | 0.00347 | 0.00392 | 0.00430 | 0.00515 |
| Cobalt | mg/L | n/v | n/v | n/v | 0.00014 | 0.00012 | 0.00036 | <0.00010 | <0.00010 | 0.00013 | 0.00048 RRV | <0.00010 | 0.00014 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00031 RRV | <0.00010 |
| Copper | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s2}^{F}$ | 0.00153 | 0.00116 | **0.00306$^{BCF}$** | 0.00076 | 0.00046 | 0.00046 | 0.00057 | 0.00148 RRV | 0.00131 | 0.00022 | 0.00025 | 0.00020 | 0.00034 | 0.00035 | 0.00121 |
| MSOG Copper Guideline (Chronic) | | | | | 0.00298 | 0.00277 | 0.00293 | 0.00197 | 0.00224 | 0.00272 | 0.00312 | 0.00236 | 0.00218 | 0.00251 | 0.00147 | 0.00182 | 0.00224 | 0.00263 | 0.00356 |
| MSOG Copper Guideline (Acute) | | | | | 0.0040 | 0.0037 | 0.0039 | 0.0025 | 0.0029 | 0.0036 | 0.0042 | 0.0031 | 0.0028 | 0.0033 | 0.0018 | 0.0023 | 0.0029 | 0.0035 | 0.0049 |
| FEQG Copper Guideline (Chronic) | | | | | 0.0073 | 0.0020 | 0.0026 | 0.0017 | 0.0029 | 0.0022 | 0.0008 | 0.0023 | 0.0024 | 0.0036 | 0.0036 | 0.0047 | 0.0098 | 0.0046 | 0.0076 |
| Iron | mg/L | n/v | n/v | n/v | 1.24 | 1.10 | 1.21 | 0.310 | 0.293 | 0.487 | 0.622 | 0.265 | 0.672 | 0.592 | 0.387 | 0.087 | 0.100 | 0.106 | 0.696 |
| Lead | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s3}^{F}$ | 0.000064 | <0.000050 | 0.000058 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000061 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| MSOG Lead Guideline (Chronic) | | | | | 0.00060 | 0.00055 | 0.00059 | 0.00035 | 0.00042 | 0.00054 | 0.00064 | 0.00044 | 0.00040 | 0.00048 | 0.00024 | 0.00032 | 0.00042 | 0.00051 | 0.00076 |
| MSOG Lead Guideline (Acute) | | | | | 0.01552 | 0.01407 | 0.01514 | 0.00898 | 0.01067 | 0.01376 | 0.01647 | 0.01140 | 0.01024 | 0.01239 | 0.00610 | 0.00808 | 0.01067 | 0.01313 | 0.01961 |
| FEQG Lead Guideline (Chronic) | | | | | 0.0147 | 0.0155 | 0.0147 | 0.0124 | 0.0133 | 0.0140 | 0.0114 | 0.0151 | 0.0152 | 0.0171 | 0.0117 | 0.0143 | 0.0164 | 0.0179 | 0.0133 |
| Lithium | mg/L | n/v | n/v | n/v | 0.0012 | <0.0010 | 0.0012 | <0.0010 | 0.0014 | 0.0020 | 0.0018 | 0.0026 | <0.0010 | 0.0017 | <0.0010 | <0.0010 | 0.0020 | 0.0021 | 0.0014 |
| Magnesium | mg/L | n/v | n/v | n/v | 1.78 | 1.60 | 1.96 | 1.18 | 1.32 | 1.59 | 1.86 | 1.50 | 1.33 | 1.60 | 0.869 | 1.02 | 1.34 | 1.58 | 2.02 |
| Manganese | mg/L | n/v | Equation*$_{EQ3,EQ4}^{DE}$ | n/v | 0.0521 | 0.0432 | 0.192 | 0.0373 | 0.0246 | 0.0464 | 0.0725 | 0.0570 | 0.153 | 0.0723 | 0.00376 | 0.00283 | 0.00276 | 0.00775 | 0.231 |
| CCME Manganese Guideline (Chronic) | | | | | 0.380 | 0.380 | 0.330 | 0.210 | 0.200 | 0.230 | 0.310 | 0.200 | 0.210 | 0.200 | 0.230 | 0.230 | 0.230 | 0.250 | 0.350 |
| CCME Manganese Guideline (Acute) | | | | | 2.150 | 1.992 | 2.109 | 1.405 | 1.606 | 1.957 | 2.252 | 1.691 | 1.556 | 1.804 | 1.042 | 1.295 | 1.606 | 1.887 | 2.582 |
| Mercury | mg/L | n/v | n/v | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 SFP | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 SFP | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | n/v | n/v | 0.000328 | 0.000100 | 0.000280 | 0.000131 | - | - | - | 0.000026 | 0.000057 | 0.000031 | 0.000116 | - | - | - | <0.00020 DLM |
| Molybdenum | mg/L | n/v | n/v | n/v | 0.000090 | 0.000067 | 0.000111 | 0.000129 | 0.000127 | 0.000142 | 0.000120 | 0.000195 | 0.000197 | 0.000170 | 0.000100 | 0.000069 | 0.000106 | 0.000123 | 0.000170 |
| Nickel | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | 0.00066 | <0.00050 | 0.00069 | <0.00050 | 0.00054 | 0.00058 | 0.00111 | <0.00050 | 0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00065 | <0.00050 |
| MSOG Nickel Guideline (Chronic) | | | | | 0.018 | 0.016 | 0.017 | 0.012 | 0.013 | 0.016 | 0.018 | 0.014 | 0.013 | 0.015 | 0.009 | 0.011 | 0.013 | 0.015 | 0.021 |
| MSOG Nickel Guideline (Acute) | | | | | 0.158 | 0.146 | 0.155 | 0.105 | 0.119 | 0.144 | 0.165 | 0.125 | 0.115 | 0.133 | 0.078 | 0.097 | 0.119 | 0.139 | 0.188 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 0.929 | 0.833 | 1.76 | 0.642 | 0.675 | 0.787 | 1.04 | 0.680 | 0.667 | 0.780 | 0.439 | 0.482 | 0.626 | 0.750 | 0.952 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00123 | 0.00114 | 0.00211 | 0.00091 | 0.00087 | 0.00104 | 0.00143 | 0.00129 | 0.00102 | 0.00115 | 0.00069 | 0.00086 | 0.00112 | 0.00120 | 0.00155 |
| Selenium | mg/L | n/v | n/v | n/v | 0.000061 | 0.000096 | 0.000285 DTSE | <0.000050 | <0.000050 | <0.000050 | 0.000141 | <0.000050 | 0.000069 | 0.000054 | 0.000108 | <0.000050 | <0.000050 | 0.000086 | <0.000050 |
| Silicon | mg/L | n/v | n/v | n/v | 2.30 | 1.92 | 2.43 | 0.813 | 2.20 | 2.59 | 2.62 | 1.71 | 1.60 | 1.28 | 0.837 | 1.24 | 1.74 | 2.01 | 0.568 |
| Silver | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 1.92 | 1.68 | 1.88 | 1.23 | 1.37 | 1.61 | 1.77 | 1.86 | 1.72 | 1.89 | 1.00 | 1.23 | 1.55 | 1.84 | 1.71 |
| Strontium | mg/L | n/v | n/v | 2.5$^{F}$ | 0.0181 | 0.0184 | 0.0186 | 0.0124 | 0.0142 | 0.0173 | 0.0184 | 0.0171 | 0.0195 | 0.0193 | 0.0101 | 0.00901 | 0.0120 | 0.0134 | 0.0221 |
| Sulfur | mg/L | n/v | n/v | n/v | <0.50 | <0.50 | <0.50 | <0.50 | 0.52 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00027 RRV | 0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00015 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | 0.00125 | 0.00107 | 0.00071 | 0.00086 | 0.00089 | 0.00094 | 0.00104 | 0.00033 | 0.00044 | 0.00031 | 0.00054 | 0.00034 | <0.00030 | 0.00032 | <0.00030 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | n/v | n/v | n/v | 0.000025 | 0.000022 | 0.000027 | 0.000021 | 0.000019 | 0.000026 | 0.000025 | <0.000010 | 0.000012 | <0.000010 | <0.000010 | 0.000012 | 0.000016 | 0.000014 | 0.000014 |
| Vanadium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | Equation*$_{s5}^{BC}$ | Equation*$_{EQ1,EQ2}^{DE}$ | n/v | 0.0080 | 0.0046 | 0.0078 | 0.0035 | 0.0049 | 0.0027 | 0.0030 | 0.0031 | **0.0146 RRV$^{E}$** | 0.0012 | 0.0012 | 0.0021 | <0.0010 | 0.0015 | 0.0026 |
| MSOG Zinc Guideline (Chronic) | | | | | 0.040 | 0.037 | 0.039 | 0.026 | 0.030 | 0.036 | 0.042 | 0.031 | 0.029 | 0.034 | 0.020 | 0.024 | 0.030 | 0.035 | 0.047 |
| MSOG Zinc Guideline (Acute) | | | | | 0.039 | 0.037 | 0.039 | 0.026 | 0.030 | 0.036 | 0.041 | 0.031 | 0.029 | 0.033 | 0.020 | 0.024 | 0.030 | 0.035 | 0.047 |
| CCME Zinc Guideline (Chronic) | | | | | 0.028 | 0.019 | 0.028 | 0.012 | 0.016 | 0.025 | 0.025 | 0.025 | 0.012 | 0.026 | 0.010 | 0.014 | 0.019 | 0.029 | 0.028 |
| CCME Zinc Guideline (Acute) | | | | | 0.055 | 0.053 | 0.054 | 0.036 | 0.041 | 0.050 | 0.051 | 0.046 | 0.043 | 0.051 | 0.027 | 0.036 | 0.046 | 0.055 | 0.061 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | MacLellan | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQM10 - Surface | | | | | | | AQM14 - Surface | | | | | | | AQM15 - Surface |
| Sample Date | | | | | 28-Feb-25 | 21-Mar-25 | 25-Apr-25 | 24-May-25 | 24-Oct-25 | 25-Nov-25 | 17-Dec-25 | 28-Feb-25 | 21-Mar-25 | 25-Apr-25 | 24-May-25 | 29-Oct-25 | 26-Nov-25 | 18-Dec-25 | 28-Feb-25 |
| Sample ID | | | | | AQM10 | AQM10 | AQM10 | AQM10 | AQM10 | AQM10 | AQM10 | AQM14 | AQM14 | AQM14 | AQM14 | AQM14 | AQM14 | AQM14 | AQM15 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2502936 | WP2503946 | WP2505581 | WP2507298 | WP2518837 | WP2520648 | WP2521634 | WP2502936 | WP2503946 | WP2505581 | WP2507298 | WP2519182 | WP2520648 | WP2521634 | WP2502936 |
| Laboratory Sample ID | | | | | WP2502936-006 | WP2503946-014 | WP2505581-001 | WP2507298-030 | WP2518837-024 | WP2520648-004 | WP2521634-012 | WP2502936-011 | WP2503946-008 | WP2505581-014 | WP2507298-029 | WP2519182-009 | WP2520648-018 | WP2521634-020 | WP2502936-010 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | | |
| **Metals, Total** | | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | $0.005/0.1_{VAR}^{C}$ | $0.005/0.1_{VAR1}^{E}$ | Equation*$_{s1}^{F}$ | **0.125$^{CE}$** | 0.0861 | **0.316$^{CE}$** | **0.115$^{CE}$** | 0.0873 | **0.165$^{CE}$** | **0.122$^{CE}$** | 0.0502 | **0.226$^{CE}$** | 0.0463 | 0.0930 | 0.0973 | 0.0743 | 0.0857 | 0.0159 |
| FEQG Aluminum Guideline (Chronic) | | | | | 0.79 | 0.42 | 0.49 | 0.30 | 0.50 | 0.36 | 0.39 | 0.41 | 0.31 | 0.46 | 0.50 | 0.52 | 0.72 | 0.51 | 0.95 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | n/v | 0.005$^{E}$ | n/v | 0.00055 | 0.00059 | 0.00047 | 0.00036 | 0.00032 | 0.00036 | 0.00043 | 0.00034 | 0.00035 | 0.00036 | 0.00028 | 0.00031 | 0.00049 | 0.00035 | 0.00034 |
| Barium | mg/L | n/v | n/v | n/v | 0.0101 | 0.0110 | 0.0146 | 0.00739 | 0.00743 | 0.0101 | 0.0108 | 0.0109 | 0.0234 | 0.00897 | 0.00470 | 0.0137 | 0.0119 | 0.0120 | 0.0165 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | 0.000022 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | $29/1.5_{s3}^{C}$ | 29$^{D}$ 1.5$^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | n/v | $0.001_{STB}^{D}$ $0.00009_{LTG}^{E}$ | n/v | 0.0000080 | 0.0000059 | 0.0000217 | 0.0000172 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000320 | <0.0000050 | 0.0000126 | <0.0000050 | **0.000186$^{E}$** | 0.0000051 | <0.0000050 |
| CCME Cadmium Guideline (Chronic) | | | | | 0.00005 | 0.00005 | 0.00005 | 0.00004 | 0.00004 | 0.00005 | 0.00006 | 0.00004 | 0.00004 | 0.00005 | 0.00004 | 0.00004 | 0.00004 | 0.00005 | 0.00006 |
| CCME Cadmium Guideline (Acute) | | | | | 0.00057 | 0.00052 | 0.00055 | 0.00035 | 0.00040 | 0.00051 | 0.00060 | 0.00043 | 0.00039 | 0.00046 | 0.00025 | 0.00032 | 0.00040 | 0.00049 | 0.00070 |
| Calcium | mg/L | n/v | n/v | n/v | 8.55 | 9.78 | 7.27 | 5.12 | 5.62 | 6.82 | 8.46 | 5.81 | 6.77 | 5.98 | 3.66 | 4.40 | 5.53 | 6.72 | 9.96 |
| Cesium | mg/L | n/v | n/v | n/v | 0.000012 | <0.000010 | 0.000037 | <0.000010 | <0.000010 | 0.000015 | <0.000010 | <0.000010 | 0.000013 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | 0.00055 | <0.00050 RRV | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Chromium (Hexavalent) | mg/L | n/v | 0.001$^{E}$ | 0.005$^{F}$ | <0.00050 | <0.00050 | <0.00050 | **0.00112$^{E}$** | <0.00050 | <0.00050 | <0.00050 | <0.00050 | **0.00391 RRV$^{E}$** | 0.00081 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Cobalt | mg/L | n/v | n/v | Equation*$_{s4}^{F}$ | 0.00018 | 0.00020 | 0.00066 | 0.00013 | 0.00012 | 0.00020 | 0.00023 | <0.00010 | 0.00029 | <0.00010 | <0.00010 | 0.00010 | 0.00014 | <0.00010 | 0.00011 |
| FEQG Cobalt Guideline (Chronic) | | | | | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 |
| Copper | mg/L | n/v | Equation*$_{EQ6}^{E}$ | n/v | 0.00166 | 0.00064 | **0.00441$^{E}$** | 0.00072 | 0.00051 | 0.00068 | 0.00069 | <0.00050 | 0.00061 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00069 |
| CWQG Copper Guideline (Chronic) | | | | | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| Iron | mg/L | 0.3$^{C}$ | 0.3$^{E}$ | Equation*$_{s5}^{F}$ | **1.55$^{CEF}$** | **1.62$^{CEF}$** | **2.21$^{CEF}$** | **0.546$^{CE}$** | **0.571$^{CE}$** | **0.847$^{CEF}$** | **1.02$^{CEF}$** | **0.386$^{CE}$** | **1.63$^{CEF}$** | **0.968$^{CEF}$** | **0.908$^{CEF}$** | **0.677$^{CE}$** | **0.432$^{CE}$** | **0.435$^{CE}$** | **0.879$^{CEF}$** |
| FEQG Iron Guideline (Chronic) | | | | | 0.80 | 0.79 | 0.79 | 0.77 | 0.80 | 0.77 | 0.77 | 0.79 | 0.77 | 0.79 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 |
| Lead | mg/L | n/v | Equation*$_{EQ5}^{E}$ | n/v | 0.000077 | 0.000074 | 0.000275 | 0.000064 | <0.000050 | 0.000086 | 0.000064 | <0.000050 | 0.000322 | <0.000050 | 0.000068 | 0.000102 | 0.000065 | 0.000065 | <0.000050 |
| CWQG Lead Guideline (Chronic) | | | | | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Lithium | mg/L | n/v | n/v | n/v | 0.0011 | 0.0014 | 0.0018 | <0.0010 | 0.0014 | 0.0018 | 0.0023 | 0.0012 | 0.0013 | 0.0021 | <0.0010 | <0.0010 | 0.0013 | 0.0028 | <0.0010 |
| Magnesium | mg/L | n/v | n/v | n/v | 1.82 | 1.93 | 1.76 | 1.24 | 1.41 | 1.73 | 1.94 | 1.51 | 1.55 | 1.40 | 0.898 | 1.10 | 1.37 | 1.70 | 1.96 |
| Manganese | mg/L | n/v | n/v | n/v | 0.0580 | 0.0726 | 0.315 | 0.0509 | 0.0336 | 0.0611 | 0.0824 | 0.0634 | 0.294 | 0.0798 | 0.0291 | 0.0704 | 0.0484 | 0.0533 | 0.244 |
| Mercury | mg/L | 0.000026$^{C}$ | 0.000026$^{E}$ | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | 0.004$^{E}$ | n/v | 0.000307 | 0.000409 | 0.000261 | 0.000131 | - | - | - | 0.000026 | 0.000058 | 0.000057 | 0.000115 | - | - | - | 0.000118 |
| Molybdenum | mg/L | 0.073$^{C}$ | 0.073$^{E}$ | n/v | 0.000061 | 0.000070 | 0.000104 | 0.000144 | 0.000135 | 0.000152 | 0.000111 | 0.000161 | 0.000167 | 0.000182 | 0.000127 | 0.000107 | 0.000138 | 0.000149 | 0.000202 |
| Nickel | mg/L | n/v | Equation*$_{EQ7}^{E}$ | n/v | 0.00065 | 0.00063 | 0.00112 | 0.00052 | 0.00060 | 0.00069 | 0.00069 | <0.00050 | <0.00050 | 0.00078 | <0.00050 | <0.00050 | 0.00054 | <0.00050 | <0.00050 |
| CWQG Nickel Guideline (Chronic) | | | | | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | 0.062 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 0.957 | 0.972 | 1.69 | 0.685 | 0.699 | 0.855 | 1.01 | 0.734 | 0.735 | 0.722 | 0.472 | 0.580 | 0.669 | 0.766 | 1.00 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00143 | 0.00146 | 0.00246 | 0.00101 | 0.00105 | 0.00123 | 0.00147 | 0.00126 | 0.00140 | 0.00109 | 0.00086 | 0.00108 | 0.00119 | 0.00139 | 0.00157 |
| Selenium | mg/L | 0.001$^{C}$ | 0.001$^{E}$ | n/v | 0.000051 | 0.000059 | 0.000107 | 0.000174 | <0.000050 | 0.000058 | 0.000082 | 0.000064 | 0.000070 | 0.000110 | 0.000156 | 0.000071 | 0.000080 | 0.000052 | 0.000099 |
| Silicon | mg/L | n/v | n/v | n/v | 2.73 | 2.39 | 2.82 | 0.98 | 2.29 | 2.76 | 2.50 | 1.63 | 1.79 | 1.29 | 0.92 | 1.39 | 1.71 | 2.02 | 0.58 |
| Silver | mg/L | 0.0001$^{C}$ | 0.00025$^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 2.26 | 1.83 | 1.90 | 1.31 | 1.44 | 1.73 | 1.76 | 1.76 | 1.68 | 1.73 | 1.32 | 1.26 | 1.62 | 1.90 | 1.82 |
| Strontium | mg/L | n/v | n/v | n/v | 0.0186 | 0.0224 | 0.0188 | 0.0126 | 0.0154 | 0.0178 | 0.0188 | 0.0182 | 0.0250 | 0.0184 | 0.0103 | 0.0118 | 0.0138 | 0.0160 | 0.0228 |
| Sulfur | mg/L | n/v | n/v | n/v | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.63 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | 0.0008$^{C}$ | 0.0008$^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | 0.00011 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | 0.00033 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | 0.00433 | 0.00281 | 0.0135 | 0.00372 | 0.00260 | 0.00702 | 0.00387 | 0.00056 | 0.00666 | 0.00073 | 0.00268 | 0.00283 | 0.00150 | 0.00141 | <0.00030 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | $0.033/0.015_{s4}^{C}$ | 0.033$^{D}$ 0.015$^{E}$ | n/v | 0.000034 | 0.000032 | 0.000073 | 0.000029 | 0.000024 | 0.000038 | 0.000035 | 0.000014 | 0.000061 | 0.000014 | 0.000017 | 0.000022 | 0.000022 | 0.000024 | 0.000016 |
| Vanadium | mg/L | n/v | n/v | 0.12$^{F}$ | <0.00050 | <0.00050 | 0.00077 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00063 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | n/v | n/v | n/v | **0.0083$^{E}$** | 0.0057 | **0.0114$^{E}$** | 0.0033 | 0.0039 | <0.0030 | 0.0059 | <0.0030 | 0.0038 | <0.0030 | <0.0030 | **0.0071$^{E}$** | <0.0030 | <0.0030 | <0.0030 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | 0.00025 | <0.00020 | <0.00020 | 0.00023 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | 0.00027 | <0.00020 | 0.00021 | <0.00020 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| Area | | | | | MacLellan | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQM16 - Surface | | | | | | | | AQM21 - Surface | | | | | | |
| Sample Date | | | | | 23-Jan-25 | 28-Feb-25 | 21-Mar-25 | 25-Apr-25 | 24-May-25 | 25-Oct-25 | 25-Nov-25 | 18-Dec-25 | 28-Feb-25 | 21-Mar-25 | 25-Apr-25 | 24-May-25 | 25-Oct-25 | 25-Nov-25 | 18-Dec-25 |
| Sample ID | | | | | AQM16 | AQM16 | AQM16 | AQM16 | AQM16 | AQM16 | AQM16 | AQM16 | AQM21 | AQM21 | AQM21 | AQM21 | AQM21 | AQM21 | AQM21 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | STANTEC | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | FIELD2025 | WP2502936 | WP2503946 | WP2505581 | WP2507298 | WP2518837 | WP2520648 | WP2521634 | WP2502936 | WP2503946 | WP2505581 | WP2507298 | WP2518837 | WP2520648 | WP2521634 |
| Laboratory Sample ID | | | | | FIELD | WP2502936-013 | WP2503946-009 | WP2505581-013 | WP2507298-024 | WP2518837-029 | WP2520648-008 | WP2521634-022 | WP2502936-012 | WP2503946-010 | WP2505581-012 | WP2507298-025 | WP2518837-028 | WP2520648-007 | WP2521634-021 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | | |
| **Field Parameters** | | | | | | | | | | | | | | | | | | | |
| Dissolved Oxygen, Field | mg/L | >6.0$^{BC}$ | >6.5$_{VAR}^{E}$ | n/v | 14.48 | **4.13$^{BCE}$** | 10.01 | **4.11$^{BCE}$** | 10.81 | 12.93 | 15.77 | 14.4 | 10.29 | **2.23$^{BCE}$** | **4.61$^{BCE}$** | 10.96 | 12.36 | 12.03 | 15.09 |
| Electrical Conductivity, Field | mS/cm | n/v | n/v | n/v | 0.5 | 14.4 | 66.4 | 24.5 | 44.8 | 25.1 | 28.9 | 16.9 | 0.9 | 86 | 26.8 | 43.5 | 23.1 | 31.2 | 3.6 |
| Oxidation Reduction Potential, field | mV | n/v | n/v | n/v | 38.6 | 18.7 | 88.9 | 131.7 | 155.4 | 126.9 | 174.5 | 112.9 | 87.8 | 56 | 141.8 | 138 | 143.7 | 285.5 | 200.3 |
| pH, Field | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v | 7.09 | 6.57 | **6.4$^{CE}$** | 6.69 | 7.49 | 7.03 | 6.87 | 6.93 | 6.96 | **6.37$^{CE}$** | 6.57 | 6.88 | 6.73 | **6.45$^{CE}$** | 6.62 |
| Specific Conductance, Field | µS/cm | n/v | n/v | n/v | - | 27.2 | 127.6 | 45.6 | 55.5 | 42.1 | 53.1 | 32.4 | 1.7 | 165.2 | 49 | 52.7 | 38.8 | 58.1 | 7 |
| Temperature, Field | deg C | n/v | n/v | n/v | 0.01 | 0.3 | 0.7 | 0.7 | 14.9 | 3.928 | 1.158 | 0.026 | -0.1 | 0 | 1.4 | 15.8 | 3.785 | 0.788 | 0.011 |
| Total Dissolved Solids, Field | mg/L | n/v | n/v | n/v | - | 18.00 | 79.95 | 29.9 | 35.75 | 27 | 35 | 21 | 1.00 | 109.2 | 31.85 | 34.45 | 25 | 38 | 5 |
| Turbidity, Field | NTU | n/v | n/v | n/v | 13 | 12.1 | 1.79 | 4.34 | - | - | 1.24 | 1.07 | 3.33 | 1.42 | 3.05 | - | - | 1.88 | 1.35 |
| **General Chemistry** | | | | | | | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | n/v | n/v | n/v | - | 10.8 | 7.8 | 6.7 | 2.6 | 2.1 | <2.0 | 2.9 | 15.2 | 12.8 | 5.9 | 2.5 | 2.5 | 4.5 | 4.6 |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | n/v | n/v | n/v | - | 23.5 | 27.6 | 21.4 | 14.5 | 17.1 | 22.3 | 27.2 | 26.3 | 29.3 | 21.7 | 13.4 | 14.5 | 26.5 | 29.0 |
| Alkalinity, Carbonate (as CaCO3) | mg/L | n/v | n/v | n/v | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | n/v | n/v | n/v | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Phenolphthalein | mg/L | n/v | n/v | n/v | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Total (as CaCO3) | mg/L | n/v | n/v | n/v | - | 23.5 | 27.6 | 21.4 | 14.5 | 17.1 | 22.3 | 27.2 | 26.3 | 29.3 | 21.7 | 13.4 | 14.5 | 26.5 | 29.0 |
| Ammonia (as N) | mg/L | Equation*$_{TBC}^{BC}$ | 0.0173/190$_{TBC2}^{E}$ | n/v | - | 0.219 | 0.314 | 0.212 | 0.0061 | 0.0088 | 0.0265 | 0.0605 | 0.265 | 0.450 | 0.211 | 0.0076 | 0.0783 | 0.0578 | 0.126 |
| **MSOG Ammonia Guideline (Chronic)** | | | | | - | 6.60 | 6.67 | 6.46 | 4.30 | 5.84 | 6.17 | 6.06 | 6.00 | 6.67 | 6.60 | 5.67 | 6.40 | 6.67 | 6.54 |
| **CCME Ammonia Guideline (Chronic)** | | | | | - | 60.04 | 60.04 | 19.00 | 1.83 | 12.58 | 12.58 | 19.00 | 19.00 | 60.04 | 39.72 | 5.74 | 12.58 | 60.04 | 19.00 |
| Bromide | mg/L | n/v | n/v | n/v | - | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| Chloride | mg/L | n/v | 640$^{D}$ 120$^{E}$ | n/v | - | 1.07 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Cyanate | mg/L | n/v | n/v | n/v | - | 0.25 | 0.34 | 0.22 | <0.20 | <0.20 | <0.20 | <0.20 | 0.29 | 0.39 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| Cyanide | mg/L | 0.022/0.0052$_{s1}^{C}$ | 0.005$^{E}$ | n/v | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0031 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Free) | mg/L | 0.022/0.0052$_{s1}^{B}$ | 0.005$^{E}$ | n/v | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Weak Acid Dissociable) | mg/L | n/v | 0.005$^{E}$ | n/v | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0016 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0013 | 0.0012 | <0.0010 |
| Dissolved Organic Carbon (DOC) | mg/L | n/v | n/v | n/v | - | 21.1 | 22.9 | 16 | 17.4 | 22.9 | 25.2 | 28.6 | 22.4 | 23.5 | 13.3 | 17.8 | 21 | 24 | 30.3 |
| Electrical Conductivity, Lab | µS/cm | n/v | n/v | n/v | - | 59.7 | 69.2 | 50.1 | 34.9 | 44.5 | 54.9 | 64.0 | 61.0 | 71.6 | 47.9 | 32.8 | 40.4 | 61.5 | 67.1 |
| Fluoride | mg/L | n/v | 0.12$^{E}$ | n/v | - | 0.048 | 0.053 | 0.039 | 0.036 | 0.037 | 0.059 | 0.058 | 0.047 | 0.052 | 0.029 | 0.038 | 0.037 | 0.057 | 0.060 |
| Hardness (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | - | - | 22.2 | 26.4 | 32.7 | - | - | - | - | 18.9 | 27.3 | 34.0 |
| Hardness (as CaCO3), dissolved | mg/L | n/v | n/v | n/v | - | 28.0 | 25.8 | 23.9 | 16.7 | 20.2 | 27.4 | 31.0 | 30.4 | 26.0 | 18.9 | 14.9 | 18.2 | 29.2 | 32.7 |
| Nitrate (as N) | mg/L | 13$^{C}$ | 124$^{D}$ 3.0$^{E}$ | n/v | - | 0.158 | 0.181 | 0.027 | <0.020 | <0.020 | 0.023 | 0.070 | 0.130 | 0.050 | 0.035 | <0.020 | 0.124 | 0.059 | 0.025 |
| Nitrate + Nitrite (as N) | mg/L | 10$^{B}$ 10$^{C}$ | n/v | n/v | - | 0.224 | 0.181 | 0.0270 | <0.0224 | <0.022 | 0.0230 | 0.0700 | 0.140 | 0.0500 | 0.0350 | <0.0224 | 0.124 | 0.0590 | 0.0250 |
| Nitrite (as N) | mg/L | 0.06$^{C}$ | 0.06$^{E}$ | n/v | - | **0.066$^{CE}$** | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | 0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| pH, lab | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v | - | 6.94 | 7.35 | 6.98 | 7.29 | 7.27 | 7.32 | 7.21 | 6.83 | 7.30 | 7.24 | 7.29 | 7.12 | 7.13 | 7.10 |
| Phosphorus, Total | mg/L | 0.025$^{A}$ | n/v | n/v | - | 0.0218 | **0.0282$^{A}$** | **0.0591$^{A}$** | **0.0368$^{A}$** | **0.0338$^{A}$** | 0.0234 | **0.0278$^{A}$** | 0.0232 | **0.0319$^{A}$** | 0.0112 | 0.0217 | **0.0309$^{A}$** | **0.0280$^{A}$** | **0.0281$^{A}$** |
| Phosphorus, Total (Dissolved) | mg/L | n/v | n/v | n/v | - | 0.0142 | 0.0144 | 0.0151 | 0.0079 | 0.0100 | 0.0109 | 0.0147 | 0.0130 | 0.0148 | 0.0116 | 0.0090 | 0.0131 | 0.0126 | 0.0137 |
| Sulfate | mg/L | n/v | n/v | n/v | - | 0.41 | 0.46 | 0.43 | <0.30 | 0.52 | 0.64 | 0.93 | 0.37 | 0.39 | <0.30 | <0.30 | 0.64 | 0.62 | 1.01 |
| Thiocyanate | mg/L | n/v | n/v | n/v | - | <0.50 SFT | 0.69 SFT | 0.82 | 0.51 | 0.67 | 0.83 | 0.68 | <0.50 SFT | 0.66 SFT | 0.60 | 0.57 | 0.66 | 0.76 | 0.77 |
| Total Dissolved Solids | mg/L | n/v | n/v | n/v | - | 67.3 | 71.1 | 52.1 | 38.2 | 54.5 | 65.1 | 87.0 | 69.3 | 78.8 | 17.2 | 34.3 | 41.3 | 70.8 | 100 |
| Total Kjeldahl Nitrogen | mg/L | n/v | n/v | n/v | - | 1.13 | 1.25 | 1.05 | 0.676 | 1.06 | 1.22 | 1.09 | 1.11 | 1.30 | 0.903 | 0.574 | 0.891 | 1.18 | 1.14 |
| Total Organic Carbon | mg/L | n/v | n/v | n/v | - | 22.4 | 25.8 | 16.7 | 17.4 | 24.3 | 25.2 | 28.7 | 23.1 | 23.3 | 13.2 | 15.3 | 20.6 | 24.3 | 30.9 |
| Total Suspended Solids | mg/L | $_{SN}^{BC}$ | $_{SN}^{E}$ | n/v | - | <1.0 | 5.1 | 3.8 | 6.3 | 4.4 | 2.3 | <1.0 | <1.0 | 3.8 | 5.9 | 2.3 | 2.3 | 2.0 | <1.0 |
| Turbidity, Lab | NTU | n/v | n/v | n/v | - | 0.70 | 2.52 | 1.53 | 3.18 | 3.52 | 1.53 | 1.26 | 1.03 | 1.66 | 2.28 | 1.66 | 2.16 | 1.95 | 1.42 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| **Area** | | | | | **MacLellan** | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Location** | | | | | | **AQM16 - Surface** | | | | | | | **AQM21 - Surface** | | | | | | |
| **Sample Date** | | | | | **23-Jan-25** | **28-Feb-25** | **21-Mar-25** | **25-Apr-25** | **24-May-25** | **25-Oct-25** | **25-Nov-25** | **18-Dec-25** | **28-Feb-25** | **21-Mar-25** | **25-Apr-25** | **24-May-25** | **25-Oct-25** | **25-Nov-25** | **18-Dec-25** |
| **Sample ID** | | | | | **AQM16** | **AQM16** | **AQM16** | **AQM16** | **AQM16** | **AQM16** | **AQM16** | **AQM16** | **AQM21** | **AQM21** | **AQM21** | **AQM21** | **AQM21** | **AQM21** | **AQM21** |
| **Sampling Company** | | | | | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** |
| **Laboratory** | | | | | **STANTEC** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** |
| **Laboratory Work Order** | | | | | **FIELD2025** | **WP2502936** | **WP2503946** | **WP2505581** | **WP2507298** | **WP2518837** | **WP2520648** | **WP2521634** | **WP2502936** | **WP2503946** | **WP2505581** | **WP2507298** | **WP2518837** | **WP2520648** | **WP2521634** |
| **Laboratory Sample ID** | | | | | **FIELD** | **WP2502936-013** | **WP2503946-009** | **WP2505581-013** | **WP2507298-024** | **WP2518837-029** | **WP2520648-008** | **WP2521634-022** | **WP2502936-012** | **WP2503946-010** | **WP2505581-012** | **WP2507298-025** | **WP2518837-028** | **WP2520648-007** | **WP2521634-021** |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** | | | | | | | | | | | | | | | |
| **Metals, Dissolved** | | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | n/v | n/v | n/v | - | 0.0415 | 0.0372 | 0.0270 | 0.0309 | 0.0349 | 0.0437 | 0.0565 | 0.0497 | 0.0439 | 0.0218 | 0.0310 | 0.0468 | 0.0595 | 0.0564 |
| Antimony | mg/L | n/v | n/v | n/v | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00011 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | 0.34/0.15$_{s2}^{BC}$ | n/v | n/v | - | 0.00075 | 0.00090 | 0.00075 | 0.00055 | 0.00054 | 0.00064 | 0.00073 | 0.00075 | 0.00082 | 0.00053 | 0.00039 | 0.00044 | 0.00057 | 0.00070 |
| Barium | mg/L | n/v | n/v | n/v | - | 0.0124 | 0.0118 | 0.0117 | 0.00340 | 0.00691 | 0.00797 | 0.0119 | 0.0112 | 0.0113 | 0.00774 | 0.00316 | 0.00650 | 0.00815 | 0.0107 |
| Beryllium | mg/L | n/v | n/v | n/v | - | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | n/v | n/v | n/v | - | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | - | 0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000062 | 0.0000051 | 0.0000054 | 0.0000052 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| **MSOG Cadmium Guideline (Chronic)** | | | | | - | 0.00010 | 0.00010 | 0.00009 | 0.00007 | 0.00009 | 0.00010 | 0.00011 | 0.00011 | 0.00010 | 0.00008 | 0.00007 | 0.00008 | 0.00010 | 0.00012 |
| **MSOG Cadmium Guideline (Acute)** | | | | | - | 0.00058 | 0.00054 | 0.00050 | 0.00035 | 0.00047 | 0.00057 | 0.00068 | 0.00063 | 0.00054 | 0.00040 | 0.00032 | 0.00040 | 0.00061 | 0.00070 |
| Calcium | mg/L | n/v | n/v | n/v | - | 8.56 | 7.90 | 7.41 | 4.95 | 6.20 | 8.54 | 9.52 | 9.39 | 7.92 | 5.84 | 4.34 | 5.51 | 9.14 | 9.99 |
| Cesium | mg/L | n/v | n/v | n/v | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| **MSOG Chromium Guideline (Chronic)** | | | | | - | 0.00467 | 0.00448 | 0.00431 | 0.00360 | 0.00416 | 0.00462 | 0.00505 | 0.00487 | 0.00450 | 0.00383 | 0.00340 | 0.00383 | 0.00477 | 0.00515 |
| Cobalt | mg/L | n/v | n/v | n/v | - | <0.00010 | 0.00012 | 0.00011 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00017 | 0.00027 | 0.00015 | <0.00010 | <0.00010 | <0.00010 | 0.00011 |
| Copper | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s2}^{F}$ | - | 0.00154 | 0.00054 | 0.00051 | 0.00035 | 0.00063 | 0.00063 | 0.00114 | 0.00178 RRV | 0.00061 | 0.00053 | 0.00035 | 0.00046 | 0.00063 | 0.00087 |
| **MSOG Copper Guideline (Chronic)** | | | | | - | 0.00302 | 0.00281 | 0.00264 | 0.00194 | 0.00247 | 0.00296 | 0.00345 | 0.00324 | 0.00283 | 0.00216 | 0.00176 | 0.00216 | 0.00313 | 0.00356 |
| **MSOG Copper Guideline (Acute)** | | | | | - | 0.0041 | 0.0037 | 0.0035 | 0.0025 | 0.0033 | 0.0040 | 0.0047 | 0.0044 | 0.0038 | 0.0028 | 0.0022 | 0.0028 | 0.0042 | 0.0049 |
| **FEQG Copper Guideline (Chronic)** | | | | | - | 0.0022 | 0.0028 | 0.0022 | 0.0114 | 0.0068 | 0.0058 | 0.0078 | 0.0065 | 0.0027 | 0.0012 | 0.0035 | 0.0029 | 0.0018 | 0.0039 |
| Iron | mg/L | n/v | n/v | n/v | - | 0.531 | 0.753 | 0.765 | 0.300 | 0.080 | 0.103 | 0.189 | 0.749 | 1.16 | 0.665 | 0.211 | 0.124 | 0.286 | 0.303 |
| Lead | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s3}^{F}$ | - | <0.000050 | <0.000050 | <0.000050 | 0.000061 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000052 | <0.000050 | <0.000050 | <0.000050 |
| **MSOG Lead Guideline (Chronic)** | | | | | - | 0.00061 | 0.00056 | 0.00051 | 0.00034 | 0.00047 | 0.00060 | 0.00073 | 0.00067 | 0.00057 | 0.00039 | 0.00030 | 0.00039 | 0.00064 | 0.00076 |
| **MSOG Lead Guideline (Acute)** | | | | | - | 0.01577 | 0.01438 | 0.01320 | 0.00880 | 0.01214 | 0.01539 | 0.01877 | 0.01730 | 0.01451 | 0.01012 | 0.00773 | 0.01012 | 0.01653 | 0.01961 |
| **FEQG Lead Guideline (Chronic)** | | | | | - | 0.0151 | 0.0155 | 0.0127 | 0.0123 | 0.0150 | 0.0165 | 0.0183 | 0.0159 | 0.0157 | 0.0110 | 0.0121 | 0.0139 | 0.0163 | 0.0190 |
| Lithium | mg/L | n/v | n/v | n/v | - | 0.0020 | <0.0010 | <0.0010 | <0.0010 | 0.0011 | 0.0019 | 0.0019 | 0.0014 | <0.0010 | <0.0010 | <0.0010 | 0.0012 | 0.0021 | 0.0020 |
| Magnesium | mg/L | n/v | n/v | n/v | - | 1.60 | 1.48 | 1.31 | 1.05 | 1.14 | 1.47 | 1.75 | 1.69 | 1.50 | 1.06 | 0.992 | 1.09 | 1.54 | 1.88 |
| Manganese | mg/L | n/v | Equation*$_{EQ3,EQ4}^{DE}$ | n/v | - | 0.119 | 0.130 | 0.135 | 0.00093 | 0.00173 | 0.00172 | 0.0325 | 0.102 | 0.173 | 0.109 | 0.00148 | 0.00419 | 0.0236 | 0.0535 |
| **CCME Manganese Guideline (Chronic)** | | | | | - | 0.380 | 0.330 | 0.200 | 0.230 | 0.260 | 0.380 | 0.350 | 0.350 | 0.380 | 0.200 | 0.210 | 0.230 | 0.350 | 0.330 |
| **CCME Manganese Guideline (Acute)** | | | | | - | 2.177 | 2.026 | 1.894 | 1.383 | 1.776 | 2.136 | 2.495 | 2.340 | 2.040 | 1.542 | 1.251 | 1.542 | 2.259 | 2.582 |
| Mercury | mg/L | n/v | n/v | n/v | - | <0.0000050 | 0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 SFP | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 SFP |
| Methyl Mercury | µg/L | n/v | n/v | n/v | - | 0.000050 | 0.000207 | 0.000212 | 0.000144 | - | - | - | 0.000326 | 0.000750 | 0.000220 | 0.000180 | - | - | - |
| Molybdenum | mg/L | n/v | n/v | n/v | - | 0.000112 | 0.000096 | 0.000066 | 0.000052 | 0.000076 | 0.000084 | 0.000093 | 0.000108 | 0.000112 | 0.000056 | <0.000050 | 0.000079 | 0.000083 | 0.000098 |
| Nickel | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00057 | 0.00067 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00057 | 0.00061 |
| **MSOG Nickel Guideline (Chronic)** | | | | | - | 0.018 | 0.017 | 0.015 | 0.011 | 0.015 | 0.017 | 0.020 | 0.019 | 0.017 | 0.013 | 0.010 | 0.013 | 0.018 | 0.021 |
| **MSOG Nickel Guideline (Acute)** | | | | | - | 0.159 | 0.149 | 0.140 | 0.103 | 0.131 | 0.157 | 0.182 | 0.171 | 0.150 | 0.114 | 0.094 | 0.114 | 0.165 | 0.188 |
| Phosphorus | mg/L | n/v | n/v | n/v | - | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | - | 0.866 | 0.842 | 0.782 | 0.609 | 0.846 | 1.09 | 1.29 | 0.882 | 0.893 | 0.659 | 0.570 | 0.771 | 1.02 | 1.28 |
| Rubidium | mg/L | n/v | n/v | n/v | - | 0.00125 | 0.00126 | 0.00113 | 0.00065 | 0.00111 | 0.00128 | 0.00155 | 0.00122 | 0.00119 | 0.00083 | 0.00066 | 0.00111 | 0.00132 | 0.00164 |
| Selenium | mg/L | n/v | n/v | n/v | - | <0.000050 | 0.000065 | <0.000050 | <0.000050 | 0.000174 RRV | 0.000068 | 0.000076 | <0.000050 | 0.000169 | <0.000050 | <0.000050 | 0.000063 | 0.000060 | 0.000058 |
| Silicon | mg/L | n/v | n/v | n/v | - | 0.849 | 0.964 | 0.849 | 0.139 | 0.812 | 1.01 | 1.23 | 1.52 | 1.40 | 0.790 | 0.201 | 1.21 | 2.06 | 1.71 |
| Silver | mg/L | n/v | n/v | n/v | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | - | 1.33 | 1.48 | 1.34 | 0.915 | 1.17 | 1.36 | 1.52 | 1.44 | 2.79 | 1.28 | 0.892 | 1.15 | 1.68 | 1.64 |
| Strontium | mg/L | n/v | n/v | 2.5$^{F}$ | - | 0.0173 | 0.0187 | 0.0160 | 0.00979 | 0.0133 | 0.0167 | 0.0186 | 0.0183 | 0.0183 | 0.0121 | 0.00968 | 0.0120 | 0.0172 | 0.0190 |
| Sulfur | mg/L | n/v | n/v | n/v | - | <0.50 | <0.50 | <0.50 | <0.50 | 1.92 RRV | <0.50 | 0.61 | <0.50 | <0.50 | <0.50 | <0.50 | 0.51 | 0.78 | 0.53 |
| Tellurium | mg/L | n/v | n/v | n/v | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | n/v | n/v | n/v | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00025 RRV | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00031 RRV | <0.00010 | 0.00019 | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | - | 0.00044 | 0.00056 | <0.00030 | 0.00061 | 0.00060 | 0.00066 | 0.00106 | 0.00076 | 0.00081 | <0.00030 | 0.00053 | 0.00084 | 0.00095 | 0.00093 |
| Tungsten | mg/L | n/v | n/v | n/v | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | n/v | n/v | n/v | - | 0.000026 | 0.000024 | 0.000016 | 0.000017 | 0.000027 | 0.000034 | 0.000036 | 0.000022 | 0.000022 | 0.000012 | 0.000014 | 0.000021 | 0.000027 | 0.000035 |
| Vanadium | mg/L | n/v | n/v | n/v | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | Equation*$_{s5}^{BC}$ | Equation*$_{EQ1,EQ2}^{DE}$ | n/v | - | 0.0038 | 0.0013 | 0.0025 | 0.0010 | <0.0010 | <0.0010 | 0.0039 | 0.0033 | 0.0017 | 0.0026 | <0.0010 | 0.0022 | 0.0011 | 0.0018 |
| **MSOG Zinc Guideline (Chronic)** | | | | | - | 0.040 | 0.037 | 0.035 | 0.026 | 0.033 | 0.039 | 0.046 | 0.043 | 0.038 | 0.029 | 0.024 | 0.029 | 0.042 | 0.047 |
| **MSOG Zinc Guideline (Acute)** | | | | | - | 0.040 | 0.037 | 0.035 | 0.026 | 0.033 | 0.039 | 0.045 | 0.043 | 0.037 | 0.029 | 0.023 | 0.029 | 0.041 | 0.047 |
| **CCME Zinc Guideline (Chronic)** | | | | | - | 0.028 | 0.019 | 0.021 | 0.012 | 0.018 | 0.022 | 0.030 | 0.034 | 0.020 | 0.013 | 0.011 | 0.017 | 0.026 | 0.034 |
| **CCME Zinc Guideline (Acute)** | | | | | - | 0.056 | 0.054 | 0.046 | 0.035 | 0.047 | 0.058 | 0.069 | 0.061 | 0.054 | 0.036 | 0.032 | 0.041 | 0.060 | 0.072 |
| Zirconium | mg/L | n/v | n/v | n/v | - | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | 0.00032 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| Area | | | | | MacLellan | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQM16 - Surface | | | | | | | | AQM21 - Surface | | | | | | |
| Sample Date | | | | | 23-Jan-25 | 28-Feb-25 | 21-Mar-25 | 25-Apr-25 | 24-May-25 | 25-Oct-25 | 25-Nov-25 | 18-Dec-25 | 28-Feb-25 | 21-Mar-25 | 25-Apr-25 | 24-May-25 | 25-Oct-25 | 25-Nov-25 | 18-Dec-25 |
| Sample ID | | | | | AQM16 | AQM16 | AQM16 | AQM16 | AQM16 | AQM16 | AQM16 | AQM16 | AQM21 | AQM21 | AQM21 | AQM21 | AQM21 | AQM21 | AQM21 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | STANTEC | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | FIELD2025 | WP2502936 | WP2503946 | WP2505581 | WP2507298 | WP2518837 | WP2520648 | WP2521634 | WP2502936 | WP2503946 | WP2505581 | WP2507298 | WP2518837 | WP2520648 | WP2521634 |
| Laboratory Sample ID | | | | | FIELD | WP2502936-013 | WP2503946-009 | WP2505581-013 | WP2507298-024 | WP2518837-029 | WP2520648-008 | WP2521634-022 | WP2502936-012 | WP2503946-010 | WP2505581-012 | WP2507298-025 | WP2518837-028 | WP2520648-007 | WP2521634-021 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | | |
| **Metals, Total** | | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | $0.005/0.1_{VAR}^{C}$ | $0.005/0.1_{VAR1}^{E}$ | $Equation*_{s1}^{F}$ | - | 0.0701 | 0.0688 | 0.0616 | 0.0644 | 0.0762 | 0.0787 | 0.0650 | 0.0554 | 0.0609 | 0.0730 | 0.0487 | 0.0768 | 0.0855 | 0.0731 |
| **FEQG Aluminum Guideline (Chronic)** | | | | | - | 0.46 | 0.37 | 0.49 | 1.1 | 0.70 | 0.62 | 0.70 | 0.70 | 0.36 | 0.39 | 0.52 | 0.47 | 0.41 | 0.52 |
| Antimony | mg/L | n/v | n/v | n/v | - | 0.00033 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00018 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00014 |
| Arsenic | mg/L | n/v | $0.005^{E}$ | n/v | - | 0.00082 | 0.00105 | 0.00092 | 0.00058 | 0.00068 | 0.00073 | 0.00071 | 0.00083 | 0.00097 | 0.00064 | 0.00048 | 0.00052 | 0.00064 | 0.00076 |
| Barium | mg/L | n/v | n/v | n/v | - | 0.0129 | 0.0133 | 0.0124 | 0.00424 | 0.00756 | 0.00938 | 0.0121 | 0.0120 | 0.0143 | 0.00824 | 0.00361 | 0.00666 | 0.00909 | 0.0114 |
| Beryllium | mg/L | n/v | n/v | n/v | - | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | $29/1.5_{s3}^{C}$ | $29^{D}$ $1.5^{E}$ | n/v | - | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | n/v | $0.001_{STB}^{D}$ $0.00009_{LTG}^{E}$ | n/v | - | 0.0000097 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000076 | <0.0000050 | <0.0000050 | 0.0000082 | <0.0000050 | 0.0000052 | 0.0000057 | 0.0000084 |
| **CCME Cadmium Guideline (Chronic)** | | | | | 0.00004 | 0.00006 | 0.00005 | 0.00005 | 0.00004 | 0.00005 | 0.00005 | 0.00006 | 0.00006 | 0.00005 | 0.00004 | 0.00004 | 0.00004 | 0.00006 | 0.00006 |
| **CCME Cadmium Guideline (Acute)** | | | | | 0.00011 | 0.00058 | 0.00053 | 0.00049 | 0.00034 | 0.00045 | 0.00056 | 0.00067 | 0.00063 | 0.00053 | 0.00039 | 0.00030 | 0.00039 | 0.00060 | 0.00070 |
| Calcium | mg/L | n/v | n/v | n/v | - | 8.64 | 9.18 | 6.81 | 5.07 | 6.86 | 8.05 | 10.0 | 8.89 | 9.78 | 5.51 | 4.67 | 5.64 | 8.36 | 10.4 |
| Cesium | mg/L | n/v | n/v | n/v | - | <0.000010 | <0.000010 | 0.000011 | <0.000010 | <0.000010 | 0.000012 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | n/v | n/v | n/v | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Chromium (Hexavalent) | mg/L | n/v | $0.001^{E}$ | $0.005^{F}$ | - | <0.00050 | **$0.00277^{E}$** | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00054 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Cobalt | mg/L | n/v | n/v | $Equation*_{s4}^{F}$ | - | 0.00012 | 0.00016 | 0.00013 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00019 | 0.00031 | 0.00018 | <0.00010 | <0.00010 | 0.00012 | 0.00014 |
| **FEQG Cobalt Guideline (Chronic)** | | | | | - | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 |
| Copper | mg/L | n/v | $Equation*_{EQ6}^{E}$ | n/v | - | 0.00117 | 0.00070 | 0.00056 | <0.00050 | 0.00072 | 0.00086 | 0.00133 | 0.00085 | 0.00067 | <0.00050 | <0.00050 | 0.00063 | 0.00080 | 0.00115 |
| **CWQG Copper Guideline (Chronic)** | | | | | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| Iron | mg/L | $0.3^{C}$ | $0.3^{E}$ | $Equation*_{s5}^{F}$ | - | **$0.520^{CE}$** | **$0.931^{CEF}$** | **$1.01^{CEF}$** | **$0.486^{CE}$** | 0.231 | 0.210 | 0.223 | **$0.876^{CEF}$** | **$1.46^{CEF}$** | **$0.876^{CEF}$** | **$0.338^{CE}$** | 0.220 | **$0.396^{CE}$** | **$0.394^{CE}$** |
| **FEQG Iron Guideline (Chronic)** | | | | | - | 0.79 | 0.77 | 0.79 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.77 | 0.79 | 0.80 | 0.80 | 0.77 | 0.79 |
| Lead | mg/L | n/v | $Equation*_{EQ5}^{E}$ | n/v | - | 0.000074 | 0.000060 | 0.000058 | 0.000330 | 0.000097 | 0.000077 | 0.000053 | <0.000050 | 0.000050 | 0.000084 | 0.000060 | 0.000070 | 0.000073 | 0.000060 |
| **CWQG Lead Guideline (Chronic)** | | | | | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Lithium | mg/L | n/v | n/v | n/v | - | 0.0017 | <0.0010 | 0.0013 | <0.0010 | 0.0011 | 0.0017 | 0.0025 | <0.0010 | 0.0012 | 0.0013 | <0.0010 | <0.0010 | 0.0018 | 0.0025 |
| Magnesium | mg/L | n/v | n/v | n/v | - | 1.70 | 1.73 | 1.18 | 1.01 | 1.23 | 1.52 | 1.87 | 1.67 | 1.76 | 0.909 | 0.996 | 1.17 | 1.56 | 1.95 |
| Manganese | mg/L | n/v | n/v | n/v | - | 0.108 | 0.158 | 0.128 | 0.0140 | 0.0173 | 0.00776 | 0.0375 | 0.108 | 0.210 | 0.112 | 0.00963 | 0.00821 | 0.0304 | 0.0581 |
| Mercury | mg/L | $0.000026^{C}$ | $0.000026^{E}$ | n/v | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | $0.004^{E}$ | n/v | - | 0.0000455 | 0.000203 | 0.000244 | 0.000169 | - | - | - | 0.000299 | 0.000648 | 0.000258 | 0.000185 | - | - | - |
| Molybdenum | mg/L | $0.073^{C}$ | $0.073^{E}$ | n/v | - | 0.000099 | 0.000105 | 0.000074 | 0.000058 | 0.000114 | 0.000113 | 0.000104 | 0.000068 | 0.000092 | <0.000050 | <0.000050 | 0.000109 | 0.000079 | 0.000100 |
| Nickel | mg/L | n/v | $Equation*_{EQ7}^{E}$ | n/v | - | 0.00054 | 0.00053 | <0.00050 | <0.00050 | 0.00058 | 0.00064 | 0.00068 | <0.00050 | 0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00061 | 0.00069 |
| **CWQG Nickel Guideline (Chronic)** | | | | | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 |
| Phosphorus | mg/L | n/v | n/v | n/v | - | <0.050 | <0.050 | 0.066 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | - | 0.877 | 0.919 | 0.736 | 0.593 | 0.926 | 1.10 | 1.25 | 0.937 | 1.03 | 0.608 | 0.569 | 0.832 | 1.01 | 1.27 |
| Rubidium | mg/L | n/v | n/v | n/v | - | 0.00133 | 0.00148 | 0.00116 | 0.00073 | 0.00128 | 0.00144 | 0.00162 | 0.00132 | 0.00156 | 0.00080 | 0.00072 | 0.00113 | 0.00132 | 0.00163 |
| Selenium | mg/L | $0.001^{C}$ | $0.001^{E}$ | n/v | - | <0.000050 | 0.000084 | 0.000098 | 0.000086 | 0.000064 | 0.000081 | <0.000050 | 0.000085 | 0.000060 DTSE | 0.000070 | 0.000084 | 0.000130 | 0.000073 | 0.000110 |
| Silicon | mg/L | n/v | n/v | n/v | - | 0.93 | 1.05 | 0.92 | 0.23 | 0.90 | 1.09 | 1.19 | 1.49 | 1.62 | 1.08 | 0.31 | 1.31 | 1.97 | 1.73 |
| Silver | mg/L | $0.0001^{C}$ | $0.00025^{E}$ | n/v | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | 0.000012 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | - | 1.95 | 1.48 | 1.14 | 0.848 | 1.08 | 1.35 | 1.56 | 1.66 | 5.42 | 1.08 | 0.874 | 1.10 | 1.35 | 1.73 |
| Strontium | mg/L | n/v | n/v | n/v | - | 0.0192 | 0.0221 | 0.0146 | 0.00993 | 0.0136 | 0.0172 | 0.0196 | 0.0182 | 0.0219 | 0.0115 | 0.00944 | 0.0121 | 0.0168 | 0.0204 |
| Sulfur | mg/L | n/v | n/v | n/v | - | 0.50 | <0.50 | <0.50 | <0.50 | 0.52 | 0.61 | 0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.55 | 0.53 | <0.50 |
| Tellurium | mg/L | n/v | n/v | n/v | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | $0.0008^{C}$ | $0.0008^{E}$ | n/v | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | - | 0.00186 | 0.00183 | 0.00188 | 0.00181 | 0.00242 | 0.00232 | 0.00119 | 0.00115 | 0.00140 | 0.00213 | 0.00124 | 0.00196 | 0.00210 | 0.00138 |
| Tungsten | mg/L | n/v | n/v | n/v | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | $0.033/0.015_{s4}^{C}$ | $0.033^{D}$ $0.015^{E}$ | n/v | - | 0.000028 | 0.000032 | 0.000024 | 0.000025 | 0.000033 | 0.000039 | 0.000042 | 0.000024 | 0.000026 | 0.000021 | 0.000015 | 0.000027 | 0.000035 | 0.000042 |
| Vanadium | mg/L | n/v | n/v | $0.12^{F}$ | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | n/v | n/v | n/v | - | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | 0.0031 | <0.0030 | 0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 |
| Zirconium | mg/L | n/v | n/v | n/v | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | 0.00022 | 0.00023 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | 0.00020 | 0.00023 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | MacLellan | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Location** | | | | | **AQM23 - Surface** | | | | | | | **AQM23 - Deep** | | | | | |
| **Sample Date** | | | | | **1-Mar-25** | **19-Mar-25** | **26-Apr-25** | **25-May-25** | **24-Oct-25** | **26-Nov-25** | **14-Dec-25** | **19-Mar-25** | **26-Apr-25** | **25-May-25** | **24-Oct-25** | **26-Nov-25** | **14-Dec-25** |
| **Sample ID** | | | | | **AQM23** | **AQM 23 - Surface** | **AQM23 - Surface** | **AQM23-Surface** | **AQM23-surface** | **AQM23-surface** | **AQM23-Surface** | **AQM 23 - Deep** | **AQM23 - Deep** | **AQM23-Deep** | **AQM23-deep** | **AQM23-deep** | **AQM23-Deep** |
| **Sampling Company** | | | | | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** |
| **Laboratory** | | | | | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** |
| **Laboratory Work Order** | | | | | **WP2502936** | **WP2503851** | **WP2505581** | **WP2507527** | **WP2518837** | **WP2520648** | **WP2521492** | **WP2503851** | **WP2505581** | **WP2507527** | **WP2518837** | **WP2520648** | **WP2521492** |
| **Laboratory Sample ID** | | | | | **WP2502936-014** | **WP2503851-015** | **WP2505581-016** | **WP2507527-009** | **WP2518837-020** | **WP2520648-012** | **WP2521492-009** | **WP2503851-016** | **WP2505581-017** | **WP2507527-010** | **WP2518837-021** | **WP2520648-013** | **WP2521492-010** |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** | | | | | | | | | | | | | |
| **Field Parameters** | | | | | | | | | | | | | | | | | |
| Dissolved Oxygen, Field | mg/L | $>6.0^{BC}$ | $>6.5_{VAR}^{E}$ | n/v | 12.78 | 18.25 | 15.83 | 11.73 | 11.87 | 12.64 | 14.15 | **2.94**$^{BCE}$ | **1.93**$^{BCE}$ | 9.96 | 11.68 | **5.92**$^{BCE}$ | **5.01**$^{BCE}$ |
| Electrical Conductivity, Field | mS/cm | n/v | n/v | n/v | 23 | 14.3 | 19.5 | 33.3 | 40.3 | 16.2 | 17.2 | 17 | 18.4 | 30.2 | 40.2 | 18.4 | 19.4 |
| Oxidation Reduction Potential, field | mV | n/v | n/v | n/v | 56.5 | 71 | 195.4 | 53.5 | 63.6 | 181.2 | 71 | 110.4 | 215.4 | 83.1 | 88.8 | 203.4 | 96.5 |
| pH, Field | S.U. | $6.5\text{-}9.0^{C}$ | $6.5\text{-}9.0^{E}$ | n/v | 7.47 | 6.79 | 6.85 | 6.86 | 7.09 | 7.09 | 7.12 | 6.8 | **6.4**$^{CE}$ | **6.46**$^{CE}$ | 6.94 | **6.36**$^{CE}$ | **6.49**$^{CE}$ |
| Specific Conductance, Field | µS/cm | n/v | n/v | n/v | 41 | 27.1 | 10.4 | 44.4 | 63.5 | 30.2 | 32.1 | 27.9 | 30.9 | 45 | 63.5 | 31.1 | 32.4 |
| Temperature, Field | deg C | n/v | n/v | n/v | 2.2 | 0.4 | 0.7 | 11.9 | 5.846 | 0.756 | 0.642 | 4.5 | 4.7 | 7.9 | 5.772 | 3.601 | 4.059 |
| Total Dissolved Solids, Field | mg/L | n/v | n/v | n/v | 26.00 | 17.56 | 13 | 28.6 | 41 | 20 | 21 | 18.2 | 20.15 | 29.25 | 41 | 20 | 21 |
| Turbidity, Field | NTU | n/v | n/v | n/v | 0.33 | 0.38 | 1.37 | - | - | 0.38 | 1.08 | 1.48 | 5.66 | - | - | 2.79 | 0 |
| **General Chemistry** | | | | | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | n/v | n/v | n/v | 3.0 | 2.5 | <2.0 | 2.6 | 2.0 | <2.0 | <2.0 | 5.3 | 3.5 | <2.0 | 2.4 | <2.0 | 2.8 |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | n/v | n/v | n/v | 12.1 | 10.9 | <2.0 | 9.6 | 9.1 | 11.4 | 12.0 | 11.4 | 12.4 | 10.3 | 9.2 | 8.8 | 9.8 |
| Alkalinity, Carbonate (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Phenolphthalein | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Total (as CaCO3) | mg/L | n/v | n/v | n/v | 12.1 | 10.9 | <2.0 | 9.6 | 9.1 | 11.4 | 12.0 | 11.4 | 12.4 | 10.3 | 9.2 | 8.8 | 9.8 |
| Ammonia (as N) | mg/L | $\text{Equation*}_{TBC}^{BC}$ | $0.0173/190_{TBC2}^{E}$ | n/v | 0.0487 | 0.0639 HTD | 0.0170 | 0.0076 | 0.0117 | 0.0148 | 0.0300 | <0.0050 | 0.0142 | <0.0050 | 0.0221 | 0.0422 | 0.0424 |
| **MSOG Ammonia Guideline (Chronic)** | | | | | 4.48 | 6.31 | 6.21 | 6.19 | 5.69 | 5.69 | 5.61 | 6.29 | 6.67 | 6.67 | 6.04 | 6.67 | 6.67 |
| **CCME Ammonia Guideline (Chronic)** | | | | | 3.98 | 19.00 | 19.00 | 5.74 | 12.58 | 19.00 | 6.02 | 12.58 | 39.72 | 26.65 | 12.58 | 39.72 | 39.72 |
| Bromide | mg/L | n/v | n/v | n/v | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| Chloride | mg/L | n/v | $640^{D}$ $120^{E}$ | n/v | 0.81 | 0.88 | 2.34 | 0.76 | 0.82 | 0.95 | 1.05 | 0.85 | 0.90 | 0.73 | 0.75 | 0.78 | 0.84 |
| Cyanate | mg/L | n/v | n/v | n/v | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| Cyanide | mg/L | $0.022/0.0052_{s1}^{C}$ | $0.005^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Free) | mg/L | $0.022/0.0052_{s1}^{B}$ | $0.005^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Weak Acid Dissociable) | mg/L | n/v | $0.005^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Dissolved Organic Carbon (DOC) | mg/L | n/v | n/v | n/v | 9.5 | 9.27 | 5.77 RRV | 8.03 | 12.2 | 11.1 | 11.9 | 8.38 | 7.85 | 8.69 | 11.5 | 9.56 | 9.46 |
| Electrical Conductivity, Lab | µS/cm | n/v | n/v | n/v | 32.1 | 32.4 | 14.0 | 27.0 | 29.9 | 36.2 | 37.1 | 33.0 | 34.7 | 26.7 | 29.5 | 31.1 | 31.5 |
| Fluoride | mg/L | n/v | $0.12^{E}$ | n/v | 0.070 | 0.075 | 0.030 | 0.065 | 0.065 | 0.076 | 0.082 | 0.067 | 0.073 | 0.064 | 0.064 | 0.064 | 0.065 |
| Hardness (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | - | 11.2 | 12.7 | 13.7 | - | - | - | 11.3 | 11.6 | 11.6 |
| Hardness (as CaCO3), dissolved | mg/L | n/v | n/v | n/v | 12.5 | 12.2 | 5.95 | 10.3 | 10.5 | 13.0 | 13.5 | 12.1 | 14.4 | 10.5 | 11.0 | 12.0 | 11.2 |
| Nitrate (as N) | mg/L | $13^{C}$ | $124^{D}$ $3.0^{E}$ | n/v | <0.020 | <0.020 | 0.034 | <0.020 | <0.020 | 0.050 | <0.020 | 0.125 | 0.185 | <0.020 | <0.020 | 0.032 | 0.033 |
| Nitrate + Nitrite (as N) | mg/L | $10^{B}$ $10^{C}$ | n/v | n/v | <0.0224 | <0.0224 | 0.0340 | <0.0224 | <0.022 | 0.0500 | <0.022 | 0.125 | 0.185 | <0.0224 | <0.022 | 0.0320 | 0.0330 |
| Nitrite (as N) | mg/L | $0.06^{C}$ | $0.06^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| pH, lab | S.U. | $6.5\text{-}9.0^{C}$ | $6.5\text{-}9.0^{E}$ | n/v | 7.03 | 7.09 | **5.90**$^{CE}$ | 7.18 | 6.98 | 7.18 | 7.03 | 7.20 | 6.76 | 7.16 | 7.02 | 6.75 | 6.66 |
| Phosphorus, Total | mg/L | $0.025^{A}$ | n/v | n/v | 0.0102 | 0.0119 | 0.0114 | 0.0135 | 0.0189 | 0.0140 | 0.0141 | 0.0175 | **0.0442**$^{A}$ | 0.0174 | 0.0209 | 0.0207 | 0.0143 |
| Phosphorus, Total (Dissolved) | mg/L | n/v | n/v | n/v | 0.0077 | 0.0069 | 0.0042 | 0.0132 | 0.0061 | 0.0085 | 0.0080 | 0.0121 | 0.0197 | 0.0173 | 0.0063 | 0.0066 | 0.0087 |
| Sulfate | mg/L | n/v | n/v | n/v | 1.13 | 1.22 | 0.45 | 0.92 | 1.25 | 1.49 | 1.65 | 1.06 | 1.05 | 0.95 | 1.20 | 1.29 | 1.30 |
| Thiocyanate | mg/L | n/v | n/v | n/v | <0.50 SFT | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Total Dissolved Solids | mg/L | n/v | n/v | n/v | 24.5 | 22.5 | 16.3 | 15.4 | 20.2 | 33.1 | 25.8 | 24.7 | 34.7 | 16.0 | 21.2 | 28.5 | 21.1 |
| Total Kjeldahl Nitrogen | mg/L | n/v | n/v | n/v | 0.360 | 0.379 | 0.212 | 0.318 | 0.452 | 0.544 | 0.399 | 0.262 | 0.363 | 0.365 | 0.615 | 0.581 | 0.362 |
| Total Organic Carbon | mg/L | n/v | n/v | n/v | 9.80 | 9.38 | 4.28 RRV | 7.87 | 10.1 | 10.7 | 12.4 | 7.61 | 7.10 | 8.24 | 10.1 | 9.08 | 9.45 |
| Total Suspended Solids | mg/L | $_{SN}^{BC}$ | $_{SN}^{E}$ | n/v | <1.0 | <1.0 | 1.2 | 1.6 | 1.5 | <1.0 | <1.0 | <1.0 | 1.0 | 1.9 | 1.7 | <1.0 | <1.0 |
| Turbidity, Lab | NTU | n/v | n/v | n/v | 0.20 | 0.24 | 0.94 | 1.37 | 1.65 | 0.71 | 0.83 | 1.28 | 4.17 | 1.70 | 1.54 | 1.83 | 1.44 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | MacLellan | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Location** | | | | | **AQM23 - Surface** | | | | | | | **AQM23 - Deep** | | | | | |
| **Sample Date** | | | | | **1-Mar-25** | **19-Mar-25** | **26-Apr-25** | **25-May-25** | **24-Oct-25** | **26-Nov-25** | **14-Dec-25** | **19-Mar-25** | **26-Apr-25** | **25-May-25** | **24-Oct-25** | **26-Nov-25** | **14-Dec-25** |
| **Sample ID** | | | | | **AQM23** | **AQM 23 - Surface** | **AQM23 - Surface** | **AQM23-Surface** | **AQM23-surface** | **AQM23-surface** | **AQM23-Surface** | **AQM 23 - Deep** | **AQM23 - Deep** | **AQM23-Deep** | **AQM23-deep** | **AQM23-deep** | **AQM23-Deep** |
| **Sampling Company** | | | | | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** |
| **Laboratory** | | | | | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** |
| **Laboratory Work Order** | | | | | **WP2502936** | **WP2503851** | **WP2505581** | **WP2507527** | **WP2518837** | **WP2520648** | **WP2521492** | **WP2503851** | **WP2505581** | **WP2507527** | **WP2518837** | **WP2520648** | **WP2521492** |
| **Laboratory Sample ID** | | | | | **WP2502936-014** | **WP2503851-015** | **WP2505581-016** | **WP2507527-009** | **WP2518837-020** | **WP2520648-012** | **WP2521492-009** | **WP2503851-016** | **WP2505581-017** | **WP2507527-010** | **WP2518837-021** | **WP2520648-013** | **WP2521492-010** |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** | | | | | | | | | | | | | |
| **Metals, Dissolved** | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | n/v | n/v | n/v | 0.0058 | 0.0058 | 0.0018 | 0.0114 | 0.0160 | 0.0178 | 0.0174 | 0.0095 | 0.0060 | 0.0104 | 0.0156 | 0.0183 | 0.0179 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | 0.34/0.15$_{s2}^{BC}$ | n/v | n/v | 0.00016 | 0.00018 | <0.00010 | 0.00012 | 0.00017 | 0.00020 | 0.00021 | 0.00013 | <0.00010 | 0.00013 | 0.00018 | 0.00014 | 0.00015 |
| Barium | mg/L | n/v | n/v | n/v | 0.00685 | 0.00678 | 0.00368 | 0.00541 | 0.00709 | 0.00748 | 0.00898 | 0.00734 | 0.0110 | 0.00583 | 0.00712 | 0.00755 | 0.00813 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | n/v | n/v | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000054 | <0.0000050 |
| **MSOG Cadmium Guideline (Chronic)** | | | | | 0.00006 | 0.00006 | 0.00003 | 0.00005 | 0.00005 | 0.00006 | 0.00006 | 0.00006 | 0.00006 | 0.00005 | 0.00005 | 0.00006 | 0.00005 |
| **MSOG Cadmium Guideline (Acute)** | | | | | 0.00027 | 0.00026 | 0.00013 | 0.00022 | 0.00024 | 0.00028 | 0.00029 | 0.00026 | 0.00030 | 0.00022 | 0.00024 | 0.00026 | 0.00025 |
| Calcium | mg/L | n/v | n/v | n/v | 3.58 | 3.48 | 1.68 RRV | 2.91 | 2.99 | 3.75 | 3.86 | 3.46 | 4.11 | 3.01 | 3.15 | 3.47 | 3.10 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| **MSOG Chromium Guideline (Chronic)** | | | | | 0.00311 | 0.00307 | 0.00214 | 0.00282 | 0.00294 | 0.00317 | 0.00326 | 0.00306 | 0.00334 | 0.00285 | 0.00296 | 0.00305 | 0.00299 |
| Cobalt | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00021 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Copper | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s2}^{F}$ | **0.00178$^{BC}$** | 0.00069 | 0.00045 | 0.00064 | 0.00089 | 0.00076 | 0.00082 | 0.00077 | 0.00071 | 0.00065 | 0.00072 | 0.00064 | 0.00073 |
| **MSOG Copper Guideline (Chronic)** | | | | | 0.00151 | 0.00148 | 0.00080 | 0.00128 | 0.00138 | 0.00157 | 0.00164 | 0.00147 | 0.00171 | 0.00131 | 0.00139 | 0.00146 | 0.00142 |
| **MSOG Copper Guideline (Acute)** | | | | | 0.0019 | 0.0019 | 0.0009 | 0.0016 | 0.0017 | 0.0020 | 0.0021 | 0.0018 | 0.0022 | 0.0016 | 0.0017 | 0.0018 | 0.0018 |
| **FEQG Copper Guideline (Chronic)** | | | | | 0.0056 | 0.0014 | 0.0009 | 0.0014 | 0.0037 | 0.0034 | 0.0039 | 0.0013 | 0.0008 | 0.0010 | 0.0024 | 0.0008 | 0.0011 |
| Iron | mg/L | n/v | n/v | n/v | 0.028 | 0.021 | <0.010 | 0.064 | 0.091 | 0.108 | 0.098 | 0.194 | 0.536 | 0.072 | 0.088 | 0.115 | 0.091 |
| Lead | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s3}^{F}$ | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| **MSOG Lead Guideline (Chronic)** | | | | | 0.00025 | 0.00024 | 0.00011 | 0.00020 | 0.00022 | 0.00026 | 0.00027 | 0.00024 | 0.00029 | 0.00020 | 0.00022 | 0.00024 | 0.00023 |
| **MSOG Lead Guideline (Acute)** | | | | | 0.00633 | 0.00616 | 0.00270 | 0.00507 | 0.00558 | 0.00662 | 0.00703 | 0.00610 | 0.00743 | 0.00519 | 0.00564 | 0.00604 | 0.00581 |
| **FEQG Lead Guideline (Chronic)** | | | | | 0.0084 | 0.0083 | 0.0056 | 0.0074 | 0.0094 | 0.0092 | 0.0097 | 0.0079 | 0.0079 | 0.0078 | 0.0091 | 0.0084 | 0.0083 |
| Lithium | mg/L | n/v | n/v | n/v | 0.0023 | 0.0010 | <0.0010 | 0.0016 | 0.0012 | 0.0020 | 0.0011 | <0.0010 | 0.0011 | 0.0019 | 0.0014 | 0.0019 | <0.0010 |
| Magnesium | mg/L | n/v | n/v | n/v | 0.855 | 0.866 | 0.427 | 0.733 | 0.740 | 0.882 | 0.947 | 0.852 | 1.01 | 0.728 | 0.751 | 0.806 | 0.850 |
| Manganese | mg/L | n/v | Equation*$_{EQ3,EQ4}^{DE}$ | n/v | 0.00064 | 0.00078 | 0.00072 | 0.00100 | 0.00142 | 0.00122 | 0.00116 | 0.0395 | 0.186 | 0.00286 | 0.00148 | 0.0303 | 0.00744 |
| **CCME Manganese Guideline (Chronic)** | | | | | 0.210 | 0.260 | 0.230 | 0.230 | 0.230 | 0.250 | 0.250 | 0.250 | 0.230 | 0.200 | 0.210 | 0.230 | 0.200 |
| **CCME Manganese Guideline (Acute)** | | | | | 1.072 | 1.050 | 0.559 | 0.905 | 0.974 | 1.110 | 1.162 | 1.042 | 1.214 | 0.920 | 0.981 | 1.035 | 1.004 |
| Mercury | mg/L | n/v | n/v | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | 0.000033 | <0.000020 | - | - | - | 0.000029 | 0.000020 | 0.000025 | - | - | - |
| Molybdenum | mg/L | n/v | n/v | n/v | 0.000114 | 0.000116 | <0.000050 | 0.000067 | 0.000094 | 0.000100 | 0.000109 | 0.000087 | 0.000074 | 0.000067 | 0.000088 | 0.000076 | 0.000069 |
| Nickel | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | 0.00066 | 0.00061 | <0.00050 | 0.00058 | 0.00079 | 0.00093 | 0.00094 | 0.00056 | 0.00078 | 0.00058 | 0.00074 | 0.00078 | 0.00078 |
| **MSOG Nickel Guideline (Chronic)** | | | | | 0.009 | 0.009 | 0.005 | 0.008 | 0.008 | 0.009 | 0.010 | 0.009 | 0.010 | 0.008 | 0.008 | 0.009 | 0.008 |
| **MSOG Nickel Guideline (Acute)** | | | | | 0.081 | 0.079 | 0.043 | 0.068 | 0.073 | 0.083 | 0.087 | 0.078 | 0.091 | 0.070 | 0.074 | 0.078 | 0.076 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 0.647 | 0.657 | 0.347 | 0.523 | 0.696 | 0.836 | 0.977 | 0.565 | 0.645 | 0.514 | 0.696 | 0.719 | 0.781 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00111 | 0.00117 | 0.00058 | 0.00098 | 0.00124 | 0.00144 | 0.00158 | 0.00104 | 0.00115 | 0.00092 | 0.00127 | 0.00120 | 0.00123 |
| Selenium | mg/L | n/v | n/v | n/v | <0.000050 | 0.000070 | <0.000050 | <0.000050 | 0.000085 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Silicon | mg/L | n/v | n/v | n/v | 1.78 | 1.64 | 0.736 | 1.91 | 1.42 | 1.50 | 1.68 | 2.50 | 3.02 | 2.06 | 1.35 | 2.13 | 2.02 |
| Silver | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 1.29 | 1.27 | 0.888 | 1.08 | 1.05 | 1.56 | 1.46 | 1.07 | 1.29 | 1.06 | 1.07 | 1.11 | 1.22 |
| Strontium | mg/L | n/v | n/v | 2.5$^{F}$ | 0.0145 | 0.0154 | 0.00705 | 0.0120 | 0.0137 | 0.0157 | 0.0167 | 0.0152 | 0.0174 | 0.0120 | 0.0138 | 0.0144 | 0.0138 |
| Sulfur | mg/L | n/v | n/v | n/v | <0.50 | <0.50 | <0.50 | <0.50 | 0.61 | <0.50 | 0.71 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.64 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00021 | 0.00045 | 0.00299 RRV | 0.00136 RRV | 0.00029 | 0.00028 | 0.00017 |
| Titanium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | n/v | n/v | n/v | 0.000019 | 0.000020 | <0.000010 | 0.000015 | 0.000025 | 0.000028 | 0.000028 | 0.000014 | 0.000011 | 0.000013 | 0.000022 | 0.000020 | 0.000023 |
| Vanadium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | Equation*$_{s5}^{BC}$ | Equation*$_{EQ1,EQ2}^{DE}$ | n/v | 0.0047 RRV | 0.0012 | 0.0013 | <0.0010 | <0.0010 | 0.0010 | <0.0010 | 0.0011 | 0.0013 | 0.0010 | <0.0010 | 0.0013 | 0.0010 |
| **MSOG Zinc Guideline (Chronic)** | | | | | 0.020 | 0.020 | 0.011 | 0.017 | 0.018 | 0.021 | 0.022 | 0.020 | 0.023 | 0.018 | 0.019 | 0.020 | 0.019 |
| **MSOG Zinc Guideline (Acute)** | | | | | 0.020 | 0.020 | 0.011 | 0.017 | 0.018 | 0.021 | 0.022 | 0.020 | 0.023 | 0.017 | 0.018 | 0.019 | 0.019 |
| **CCME Zinc Guideline (Chronic)** | | | | | 0.009 | 0.008 | 0.009 | 0.006 | 0.009 | 0.009 | 0.011 | 0.007 | 0.012 | 0.007 | 0.009 | 0.011 | 0.011 |
| **CCME Zinc Guideline (Acute)** | | | | | 0.024 | 0.023 | 0.011 | 0.019 | 0.023 | 0.026 | 0.027 | 0.022 | 0.026 | 0.020 | 0.023 | 0.023 | 0.022 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | MacLellan | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQM23 - Surface | | | | | | | AQM23 - Deep | | | | | |
| Sample Date | | | | | 1-Mar-25 | 19-Mar-25 | 26-Apr-25 | 25-May-25 | 24-Oct-25 | 26-Nov-25 | 14-Dec-25 | 19-Mar-25 | 26-Apr-25 | 25-May-25 | 24-Oct-25 | 26-Nov-25 | 14-Dec-25 |
| Sample ID | | | | | AQM23 | AQM 23 - Surface | AQM23 - Surface | AQM23-Surface | AQM23-surface | AQM23-surface | AQM23-Surface | AQM 23 - Deep | AQM23 - Deep | AQM23-Deep | AQM23-deep | AQM23-deep | AQM23-Deep |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2502936 | WP2503851 | WP2505581 | WP2507527 | WP2518837 | WP2520648 | WP2521492 | WP2503851 | WP2505581 | WP2507527 | WP2518837 | WP2520648 | WP2521492 |
| Laboratory Sample ID | | | | | WP2502936-014 | WP2503851-015 | WP2505581-016 | WP2507527-009 | WP2518837-020 | WP2520648-012 | WP2521492-009 | WP2503851-016 | WP2505581-017 | WP2507527-010 | WP2518837-021 | WP2520648-013 | WP2521492-010 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | |
| **Metals, Total** | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | $0.005/0.1_{VAR}^{C}$ | $0.005/0.1_{VAR1}^{E}$ | $Equation*_{s1}^{F}$ | 0.0086 | 0.0096 | **$0.0212^{CE}$** | 0.0234 | 0.0355 | 0.0264 | 0.0260 | 0.0156 | 0.0147 | 0.0247 | 0.0389 | 0.0320 | 0.0335 |
| FEQG Aluminum Guideline (Chronic) | | | | | 0.89 | 0.37 | 0.27 | 0.35 | 0.63 | 0.61 | 0.67 | 0.35 | 0.21 | 0.22 | 0.50 | 0.21 | 0.25 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | n/v | $0.005^{E}$ | n/v | 0.00021 | 0.00017 | 0.00012 | 0.00016 | 0.00019 | 0.00023 | 0.00023 | 0.00015 | 0.00020 | 0.00015 | 0.00019 | 0.00018 | 0.00019 |
| Barium | mg/L | n/v | n/v | n/v | 0.00734 | 0.00678 | 0.00300 | 0.00602 | 0.00761 | 0.00815 | 0.00913 | 0.00769 | 0.0103 | 0.00629 | 0.00765 | 0.00812 | 0.00802 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | $29/1.5_{s3}^{C}$ | $29^{D}$ $1.5^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | n/v | $0.001_{STB}^{D}$ $0.00009_{LTG}^{E}$ | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000119 | 0.0000067 |
| CCME Cadmium Guideline (Chronic) | | | | | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 |
| CCME Cadmium Guideline (Acute) | | | | | 0.00025 | 0.00025 | 0.00012 | 0.00021 | 0.00023 | 0.00026 | 0.00028 | 0.00025 | 0.00029 | 0.00021 | 0.00023 | 0.00024 | 0.00024 |
| Calcium | mg/L | n/v | n/v | n/v | 3.60 | 3.35 | 1.21 | 2.90 | 3.23 | 3.60 | 3.81 | 3.52 | 3.87 | 2.91 | 3.23 | 3.35 | 3.27 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00069 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Chromium (Hexavalent) | mg/L | n/v | $0.001^{E}$ | $0.005^{F}$ | <0.00050 | <0.00050 | <0.00050 | <0.00050 | ***<0.00200  RRV SFP6*** | <0.00050 | <0.00050 | 0.00061 | <0.00050 | 0.00077 | <0.00050 | <0.00050 | <0.00050 |
| Cobalt | mg/L | n/v | n/v | $Equation*_{s4}^{F}$ | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00022 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| FEQG Cobalt Guideline (Chronic) | | | | | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 |
| Copper | mg/L | n/v | $Equation*_{EQ6}^{E}$ | n/v | 0.00108 | 0.00096 | <0.00050 | 0.00075 | 0.00091 | 0.00103 | 0.00119 | 0.00080 | 0.00070 | 0.00080 | 0.00095 | 0.00099 | 0.00091 |
| CWQG Copper Guideline (Chronic) | | | | | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| Iron | mg/L | $0.3^{C}$ | $0.3^{E}$ | $Equation*_{s5}^{F}$ | 0.034 | 0.034 | 0.041 | 0.201 | 0.224 | 0.178 | 0.157 | 0.294 | **$1.26^{CEF}$** | **$0.279^{F}$** | 0.227 | **$0.314^{CEF}$** | 0.232 |
| FEQG Iron Guideline (Chronic) | | | | | 0.74 | 0.71 | 0.51 | 0.65 | 0.80 | 0.80 | 0.80 | 0.65 | 0.60 | 0.66 | 0.80 | 0.71 | 0.68 |
| Lead | mg/L | n/v | $Equation*_{EQ5}^{E}$ | n/v | <0.000050 | <0.000050 | 0.000057 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| CWQG Lead Guideline (Chronic) | | | | | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Lithium | mg/L | n/v | n/v | n/v | 0.0021 | <0.0010 | <0.0010 | 0.0014 | 0.0017 | 0.0016 | 0.0021 | <0.0010 | 0.0011 | 0.0016 | 0.0016 | <0.0010 | 0.0019 |
| Magnesium | mg/L | n/v | n/v | n/v | 0.899 | 0.841 | 0.324 | 0.759 | 0.769 | 0.905 | 1.01 | 0.875 | 0.967 | 0.753 | 0.791 | 0.777 | 0.828 |
| Manganese | mg/L | n/v | n/v | n/v | 0.00102 | 0.00174 | 0.00315 | 0.0163 | 0.0115 | 0.00476 | 0.00331 | 0.0478 | 0.182 | 0.0241 | 0.0121 | 0.0443 | 0.0175 |
| Mercury | mg/L | $0.000026^{C}$ | $0.000026^{E}$ | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | $0.004^{E}$ | n/v | <0.000020 | 0.000022 | 0.000048 | 0.000028 | - | - | - | <0.000020 | 0.000032 | 0.000033 | - | - | - |
| Molybdenum | mg/L | $0.073^{C}$ | $0.073^{E}$ | n/v | 0.000115 | 0.000108 | <0.000050 | 0.000079 | 0.000125 | 0.000124 | 0.000123 | 0.000072 | 0.000105 | 0.000075 | 0.000115 | 0.000076 | 0.000092 |
| Nickel | mg/L | n/v | $Equation*_{EQ7}^{E}$ | n/v | 0.00062 | 0.00068 | <0.00050 | 0.00065 | 0.00081 | 0.00090 | 0.00137 | 0.00066 | 0.00080 | 0.00061 | 0.00086 | 0.00088 | 0.00117 |
| CWQG Nickel Guideline (Chronic) | | | | | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 0.679 | 0.622 | 0.278 | 0.571 | 0.713 | 0.861 | 0.986 | 0.567 | 0.636 | 0.567 | 0.719 | 0.686 | 0.750 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00117 | 0.00115 | 0.00050 | 0.00099 | 0.00129 | 0.00149 | 0.00165 | 0.00115 | 0.00121 | 0.00103 | 0.00131 | 0.00128 | 0.00130 |
| Selenium | mg/L | $0.001^{C}$ | $0.001^{E}$ | n/v | <0.000050 | 0.000055 DTSE | <0.000050 | <0.000050 | <0.000050 | 0.000052 | 0.000079 | <0.000050 | 0.000062 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Silicon | mg/L | n/v | n/v | n/v | 1.84 | 1.63 | 0.70 | 1.91 | 1.50 | 1.53 | 1.79 | 2.57 | 3.17 | 2.12 | 1.52 | 2.16 | 2.18 |
| Silver | mg/L | $0.0001^{C}$ | $0.00025^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 1.33 | 1.28 | 1.04 | 1.08 | 1.10 | 1.98 | 1.53 | 1.10 | 1.26 | 1.08 | 1.11 | 1.14 | 1.29 |
| Strontium | mg/L | n/v | n/v | n/v | 0.0160 | 0.0154 | 0.00557 | 0.0124 | 0.0142 | 0.0160 | 0.0195 | 0.0165 | 0.0167 | 0.0124 | 0.0146 | 0.0142 | 0.0168 |
| Sulfur | mg/L | n/v | n/v | n/v | <0.50 | <0.50 | <0.50 | <0.50 | 0.68 | 0.73 | 0.73 | <0.50 | <0.50 | <0.50 | 0.56 | <0.50 | 0.57 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | $0.0008^{C}$ | $0.0008^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00351 | 0.00067 | 0.00028 | 0.00077 | 0.00021 | 0.00014 | 0.00395 |
| Titanium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | 0.00062 | 0.00040 | 0.00086 | 0.00043 | 0.00044 | <0.00030 | <0.00030 | 0.00048 | 0.00125 | 0.00064 | 0.00064 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | $0.033/0.015_{s4}^{C}$ | $0.033^{D}$ $0.015^{E}$ | n/v | 0.000023 | 0.000021 | 0.000013 | 0.000017 | 0.000029 | 0.000033 | 0.000037 | 0.000018 | 0.000017 | 0.000018 | 0.000029 | 0.000032 | 0.000031 |
| Vanadium | mg/L | n/v | n/v | $0.12^{F}$ | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | n/v | n/v | n/v | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | **$0.0080^{E}$** | <0.0030 | <0.0030 | <0.0030 | <0.0030 | 0.0031 | <0.0030 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| **Area** | | | | | **MacLellan** | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Location** | | | | | **AQM28 - Surface** | | | | | | | | **AQM29C-Surface** | | | | | | |
| **Sample Date** | | | | | **21-Jan-25** | **26-Feb-25** | **22-Mar-25** | **25-Apr-25** | **24-May-25** | **29-Oct-25** | **25-Nov-25** | **17-Dec-25** | **21-Jan-25** | **28-Feb-25** | **22-Mar-25** | **25-Apr-25** | **24-May-25** | **29-Oct-25** | **17-Dec-25** |
| **Sample ID** | | | | | **AQM28** | **AQM28** | **AQM28** | **AQM28** | **AQM28** | **AQM28** | **AQM28** | **AQM28** | **AQM29C** | **AQM29C** | **AQM29C** | **AQM29C** | **AQM29C** | **AQM29C** | **AQM29C** |
| **Sampling Company** | | | | | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** |
| **Laboratory** | | | | | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** |
| **Laboratory Work Order** | | | | | **WP2501015** | **WP2502751** | **WP2503946** | **WP2505581** | **WP2507298** | **WP2519182** | **WP2520648** | **WP2521634** | **WP2501015** | **WP2502936** | **WP2503946** | **WP2505581** | **WP2507298** | **WP2519182** | **WP2521634** |
| **Laboratory Sample ID** | | | | | **WP2501015-002** | **WP2502751-017** | **WP2503946-002** | **WP2505581-003** | **WP2507298-032** | **WP2519182-003** | **WP2520648-009** | **WP2521634-010** | **WP2501015-001** | **WP2502936-004** | **WP2503946-001** | **WP2505581-002** | **WP2507298-031** | **WP2519182-002** | **WP2521634-009** |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** | | | | | | | | | | | | | | | |
| **Field Parameters** | | | | | | | | | | | | | | | | | | | |
| Dissolved Oxygen, Field | mg/L | $>6.0^{BC}$ | $>6.5_{VAR}^{E}$ | n/v | 12.1 | 15.5 | 10.83 | 12.3 | 10.32 | 13.26 | 14.31 | 15.08 | 12.16 | 12.39 | 12.08 | 14.46 | 10.10 | 13.26 | 13.03 |
| Electrical Conductivity, Field | mS/cm | n/v | n/v | n/v | 37.3 | 10 | 53.8 | 44.7 | 90.2 | 33.6 | 31.3 | 7.7 | 14.8 | 1.5 | 24.7 | 18.3 | 44.7 | 17.5 | 15.5 |
| Oxidation Reduction Potential, field | mV | n/v | n/v | n/v | 185.7 | 166.3 | 66.3 | 92.3 | 94.2 | 151 | 232.1 | 149.7 | 180.1 | 63.2 | 180.7 | 103.4 | 85.1 | 180.9 | 145.1 |
| pH, Field | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v | 6.59 | 7.61 | 6.59 | 7.13 | 6.93 | 6.72 | 6.75 | 6.83 | **6.33$^{CE}$** | 7.32 | 6.59 | 7.16 | 6.93 | **6.04$^{CE}$** | 6.65 |
| Specific Conductance, Field | µS/cm | n/v | n/v | n/v | - | 19.1 | 102.9 | 74.9 | 109.3 | 57 | 59.8 | 14.6 | - | 2.9 | 47.3 | 32.6 | 54.3 | 29.6 | 29.6 |
| Temperature, Field | deg C | n/v | n/v | n/v | -0.1 | -0.1 | 0 | 3.9 | 15.9 | 3.5 | 0.08 | 0 | -0.1 | -0.1 | 0 | 2.2 | 15.7 | 3.51 | 0 |
| Total Dissolved Solids, Field | mg/L | n/v | n/v | n/v | - | 13.00 | 173.3 | 48.75 | 70.85 | 37.05 | 38.86 | 10 | - | 2.00 | 30.55 | 21.45 | 35.10 | 19.26 | 19 |
| Turbidity, Field | NTU | n/v | n/v | n/v | 1.44 | 2.56 | - | 8.12 | - | - | 1.06 | 1.53 | 0.41 | 1.6 | - | 2.58 | - | - | 2.13 |
| **General Chemistry** | | | | | | | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | n/v | n/v | n/v | 3.1 | 4.2 | 6.2 | 2.8 | <2.0 | 2.9 | <2.0 | 3.2 | <2.0 | <2.0 | 3.1 | <2.0 | 2.3 | 2.0 | <2.0 |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | n/v | n/v | n/v | 15.0 | 15.5 | 17.1 | 18.2 | 10.8 | 12.9 | 14.4 | 16.8 | 10.6 | 14.9 | 10.7 | 11.3 | 8.9 | 11.2 | 10.2 |
| Alkalinity, Carbonate (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Phenolphthalein | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Total (as CaCO3) | mg/L | n/v | n/v | n/v | 15.0 | 15.5 | 17.1 | 18.2 | 10.8 | 12.9 | 14.4 | 16.8 | 10.6 | 14.9 | 10.7 | 11.3 | 8.9 | 11.2 | 10.2 |
| Ammonia (as N) | mg/L | Equation*$_{TBC}^{BC}$ | 0.0173/190$_{TBC2}^{E}$ | n/v | 0.0536 | 0.0623 | 0.0317 | 0.0206 | 0.0107 | 0.0096 | 0.0241 | 0.0550 | 0.0377 | 0.0283 | 0.0113 | 0.0060 | 0.0111 | 0.0501 | 0.0405 |
| **MSOG Ammonia Guideline (Chronic)** | | | | | 6.58 | 3.94 | 6.58 | 5.59 | 5.54 | 6.42 | 6.37 | 6.24 | 6.67 | 5.01 | 6.58 | 5.50 | 5.61 | 6.67 | 6.51 |
| **CCME Ammonia Guideline (Chronic)** | | | | | 60.04 | 1.92 | 60.04 | 3.98 | 5.74 | 12.58 | 19.00 | 19.00 | 60.04 | 6.02 | 60.04 | 3.98 | 5.74 | 125.83 | 19.00 |
| Bromide | mg/L | n/v | n/v | n/v | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| Chloride | mg/L | n/v | 640$^{D}$ 120$^{E}$ | n/v | 1.17 | 1.40 | 1.37 | 2.01 | 1.10 | 1.03 | 1.08 | 1.13 | <0.50 | 1.03 | <0.50 | 0.71 | <0.50 | <0.50 | <0.50 |
| Cyanate | mg/L | n/v | n/v | n/v | <0.40 DLIS | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| Cyanide | mg/L | 0.022/0.0052$_{s1}^{C}$ | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Free) | mg/L | 0.022/0.0052$_{s1}^{B}$ | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Weak Acid Dissociable) | mg/L | n/v | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0011 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Dissolved Organic Carbon (DOC) | mg/L | n/v | n/v | n/v | 10.3 | 11.3 | 11.6 | 14.6 | 11.3 | 14.5 | 14.7 | 14.3 | 7.27 | 7.9 | 8.42 | 10.9 | 10.9 | 10.9 | 10.2 |
| Electrical Conductivity, Lab | µS/cm | n/v | n/v | n/v | 66.6 | 71.8 | 78.3 | 87.8 | 68.1 | 60.6 | 59.4 | 56.8 | 28.4 | 41.3 | 34.6 | 36.8 | 33.3 | 31.5 | 28.1 |
| Fluoride | mg/L | n/v | 0.12$^{E}$ | n/v | 0.060 | 0.061 | 0.063 | 0.065 | 0.058 | 0.060 | 0.064 | 0.064 | 0.062 | 0.059 | 0.064 | 0.066 | 0.058 | 0.060 | 0.061 |
| Hardness (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | - | - | 23.9 | 23.2 | 24.6 | - | - | - | - | - | 11.8 | 12.2 |
| Hardness (as CaCO3), dissolved | mg/L | n/v | n/v | n/v | 28.7 | 27.4 | 27.3 | 37.7 | 25.2 | 23.2 | 24.5 | 23.3 | 11.0 | 11.0 | 11.5 | 15.8 | 12.7 | 11.6 | 11.5 |
| Nitrate (as N) | mg/L | 13$^{C}$ | 124$^{D}$ 3.0$^{E}$ | n/v | 0.062 | 0.102 | 0.135 | 0.102 | <0.020 | <0.020 | 0.033 | 0.053 | 0.045 | 0.079 | 0.110 | 0.053 | <0.020 | <0.020 | 0.031 |
| Nitrate + Nitrite (as N) | mg/L | 10$^{B}$ 10$^{C}$ | n/v | n/v | 0.0620 | 0.102 | 0.135 | 0.102 | <0.0224 | <0.022 | 0.0330 | 0.0530 | 0.0450 | 0.0790 | 0.110 | 0.0530 | <0.0224 | <0.022 | 0.0310 |
| Nitrite (as N) | mg/L | 0.06$^{C}$ | 0.06$^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| pH, lab | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v | 6.91 | 6.85 | 7.22 | 7.16 | 7.19 | 7.17 | 7.11 | 6.92 | 6.84 | 7.32 | 7.10 | 7.08 | 7.14 | 7.06 | 6.75 |
| Phosphorus, Total | mg/L | 0.025$^{A}$ | n/v | n/v | 0.0117 | 0.0085 | 0.0127 | 0.0223 | 0.0142 | 0.0183 | 0.0161 | 0.0154 | 0.0123 | 0.0111 | 0.0196 | 0.0204 | 0.0197 | 0.0147 | 0.0143 |
| Phosphorus, Total (Dissolved) | mg/L | n/v | n/v | n/v | 0.0078 | - | 0.0081 | 0.0089 | 0.0057 | 0.0070 | 0.0079 | 0.0109 | 0.0069 | 0.0064 | 0.0049 | 0.0080 | 0.0052 | 0.0055 | 0.0069 |
| Sulfate | mg/L | n/v | n/v | n/v | 14.4 | 11.5 | 11.3 | 16.8 | 16.1 | 10.7 | 7.96 | 7.54 | 1.99 | 1.97 | 2.04 | 3.08 | 4.26 | 2.45 | 1.75 |
| Thiocyanate | mg/L | n/v | n/v | n/v | <0.50 | <0.50 | <0.50 SFT | 0.53 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 SFT | <0.50 SFT | <0.50 | <0.50 | <0.50 | <0.50 |
| Total Dissolved Solids | mg/L | n/v | n/v | n/v | 36.7 | 64.9 | 50.1 | 52.7 | 63.2 | 61.8 | 68.4 | 45.7 | 22.2 | 30.3 | 27.0 | 30.1 | 17.0 | 20.0 | 22.6 |
| Total Kjeldahl Nitrogen | mg/L | n/v | n/v | n/v | 0.363 | 0.366 | 0.342 | 0.479 | 0.341 | 0.404 | 0.575 | 0.461 | 0.325 | 0.300 | 0.277 | 0.464 | 0.379 | 0.510 | 0.348 |
| Total Organic Carbon | mg/L | n/v | n/v | n/v | 10.6 | 11.2 | 11.3 | 12.9 | 11.1 | 13.9 | 14.9 | 15.4 | 7.06 | 8.49 | 7.25 | 9.66 | 9.38 | 11.0 | 11.0 |
| Total Suspended Solids | mg/L | $_{SN}^{BC}$ | $_{SN}^{E}$ | n/v | <1.0 | <1.0 | <1.0 | 5.1 | 2.0 | 1.6 | 1.4 | <1.0 | <1.0 | <1.0 | <1.0 | 1.6 | 2.8 | 1.0 | 1.4 |
| Turbidity, Lab | NTU | n/v | n/v | n/v | 1.60 | 1.66 | 1.53 | 5.47 | 2.28 | 2.61 | 1.97 | 1.60 | 0.82 | 0.97 | 1.16 | 2.05 | 1.43 | 1.78 | 0.94 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | MacLellan | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Location** | | | | | **AQM28 - Surface** | | | | | | | | **AQM29C-Surface** | | | | | | |
| **Sample Date** | | | | | **21-Jan-25** | **26-Feb-25** | **22-Mar-25** | **25-Apr-25** | **24-May-25** | **29-Oct-25** | **25-Nov-25** | **17-Dec-25** | **21-Jan-25** | **28-Feb-25** | **22-Mar-25** | **25-Apr-25** | **24-May-25** | **29-Oct-25** | **17-Dec-25** |
| **Sample ID** | | | | | **AQM28** | **AQM28** | **AQM28** | **AQM28** | **AQM28** | **AQM28** | **AQM28** | **AQM28** | **AQM29C** | **AQM29C** | **AQM29C** | **AQM29C** | **AQM29C** | **AQM29C** | **AQM29C** |
| **Sampling Company** | | | | | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** |
| **Laboratory** | | | | | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** |
| **Laboratory Work Order** | | | | | **WP2501015** | **WP2502751** | **WP2503946** | **WP2505581** | **WP2507298** | **WP2519182** | **WP2520648** | **WP2521634** | **WP2501015** | **WP2502936** | **WP2503946** | **WP2505581** | **WP2507298** | **WP2519182** | **WP2521634** |
| **Laboratory Sample ID** | | | | | **WP2501015-002** | **WP2502751-017** | **WP2503946-002** | **WP2505581-003** | **WP2507298-032** | **WP2519182-003** | **WP2520648-009** | **WP2521634-010** | **WP2501015-001** | **WP2502936-004** | **WP2503946-001** | **WP2505581-002** | **WP2507298-031** | **WP2519182-002** | **WP2521634-009** |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** | | | | | | | | | | | | | | | |
| **Metals, Dissolved** | | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | n/v | n/v | n/v | 0.0818 | 0.0670 | 0.0611 | 0.0716 | 0.0723 | 0.0953 | 0.0863 | 0.0945 | 0.0114 | 0.0095 | 0.0101 | 0.0189 | 0.0270 | 0.0257 | 0.0190 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | 0.34/0.15$_{s2}^{BC}$ | n/v | n/v | 0.00016 | 0.00018 | 0.00020 | 0.00020 | 0.00016 | 0.00024 | 0.00022 | 0.00025 | 0.00010 | 0.00014 | 0.00018 | 0.00022 | 0.00015 | 0.00017 | 0.00016 |
| Barium | mg/L | n/v | n/v | n/v | 0.00998 | 0.00993 | 0.00974 | 0.0120 | 0.00757 | 0.00748 | 0.00837 | 0.00929 | 0.00647 | 0.00669 | 0.00679 | 0.00771 | 0.00562 | 0.00582 | 0.00689 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | n/v | n/v | n/v | 0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | 0.0000102 | 0.0000156 | 0.0000181 | 0.0000105 | 0.0000236 | 0.0000195 | 0.0000184 | 0.0000215 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000130 | <0.0000050 | <0.0000050 |
| **MSOG Cadmium Guideline (Chronic)** | | | | | 0.00010 | 0.00010 | 0.00010 | 0.00012 | 0.00009 | 0.00009 | 0.00009 | 0.00009 | 0.00005 | 0.00005 | 0.00005 | 0.00007 | 0.00006 | 0.00006 | 0.00006 |
| **MSOG Cadmium Guideline (Acute)** | | | | | 0.00060 | 0.00057 | 0.00057 | 0.00078 | 0.00053 | 0.00050 | 0.00051 | 0.00051 | 0.00023 | 0.00023 | 0.00024 | 0.00033 | 0.00027 | 0.00025 | 0.00026 |
| Calcium | mg/L | n/v | n/v | n/v | 8.88 | 8.41 | 8.32 | 11.0 | 7.46 | 6.90 | 7.41 | 6.77 | 3.12 | 3.07 | 3.22 | 4.55 | 3.62 | 3.33 | 3.17 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| **MSOG Chromium Guideline (Chronic)** | | | | | 0.00473 | 0.00462 | 0.00461 | 0.00542 | 0.00443 | 0.00431 | 0.00437 | 0.00438 | 0.00292 | 0.00292 | 0.00298 | 0.00350 | 0.00314 | 0.00302 | 0.00307 |
| Cobalt | mg/L | n/v | n/v | n/v | 0.00037 | 0.00030 | 0.00025 | 0.00120 | 0.00074 | 0.00054 | 0.00048 | 0.00046 | <0.00010 | <0.00010 | <0.00010 | 0.00016 | 0.00018 | 0.00012 | <0.00010 |
| Copper | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s2}^{F}$ | **0.00318$^{BCF}$** | 0.00256 | **0.00254$^{F}$** | **0.00420$^{BC}$** | **0.00422$^{BCF}$** | **0.00401$^{BCF}$** | **0.00262$^{F}$** | **0.00304$^{BCF}$** | **0.00079$^{F}$** | 0.00136 | 0.00060 | 0.00104 | 0.00132 | **0.00091$^{F}$** | 0.00063 |
| **MSOG Copper Guideline (Chronic)** | | | | | 0.00308 | 0.00296 | 0.00295 | 0.00389 | 0.00276 | 0.00264 | 0.00269 | 0.00270 | 0.00136 | 0.00136 | 0.00141 | 0.00185 | 0.00154 | 0.00144 | 0.00148 |
| **MSOG Copper Guideline (Acute)** | | | | | 0.0041 | 0.0040 | 0.0040 | 0.0054 | 0.0037 | 0.0035 | 0.0036 | 0.0036 | 0.0017 | 0.0017 | 0.0018 | 0.0024 | 0.0019 | 0.0018 | 0.0019 |
| **FEQG Copper Guideline (Chronic)** | | | | | 0.0012 | 0.0089 | 0.0013 | 0.0064 | 0.0029 | 0.0022 | 0.0024 | 0.0028 | 0.0006 | 0.0036 | 0.0007 | 0.0040 | 0.0023 | 0.0004 | 0.0010 |
| Iron | mg/L | n/v | n/v | n/v | 0.400 | 0.571 | 0.594 | 0.559 | 0.214 | 0.361 | 0.449 | 0.732 | 0.079 | 0.112 | 0.134 | 0.168 | 0.122 | 0.129 | 0.143 |
| Lead | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s3}^{F}$ | <0.000050 | <0.000050 | <0.000050 | 0.000058 | <0.000050 | <0.000050 | <0.000050 | 0.000056 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| **MSOG Lead Guideline (Chronic)** | | | | | 0.00063 | 0.00060 | 0.00060 | 0.00086 | 0.00055 | 0.00051 | 0.00053 | 0.00053 | 0.00021 | 0.00021 | 0.00022 | 0.00032 | 0.00025 | 0.00023 | 0.00024 |
| **MSOG Lead Guideline (Acute)** | | | | | 0.01621 | 0.01539 | 0.01533 | 0.02201 | 0.01401 | 0.01320 | 0.01357 | 0.01363 | 0.00547 | 0.00547 | 0.00575 | 0.00826 | 0.00644 | 0.00593 | 0.00616 |
| **FEQG Lead Guideline (Chronic)** | | | | | 0.0105 | 0.0109 | 0.0111 | 0.0133 | 0.0107 | 0.0121 | 0.0122 | 0.0120 | 0.0072 | 0.0075 | 0.0078 | 0.0095 | 0.0091 | 0.0089 | 0.0087 |
| Lithium | mg/L | n/v | n/v | n/v | 0.0015 | <0.0010 | <0.0010 | 0.0014 | <0.0010 | <0.0010 | 0.0019 | 0.0016 | 0.0014 | 0.0011 | <0.0010 | 0.0016 | <0.0010 | <0.0010 | 0.0014 |
| Magnesium | mg/L | n/v | n/v | n/v | 1.59 | 1.56 | 1.59 | 2.49 | 1.60 | 1.46 | 1.45 | 1.55 | 0.770 | 0.813 | 0.844 | 1.09 | 0.884 | 0.808 | 0.880 |
| Manganese | mg/L | n/v | Equation*$_{EQ3,EQ4}^{DE}$ | n/v | 0.0330 | 0.0324 | 0.0295 | 0.0936 | 0.0522 | 0.0218 | 0.0257 | 0.0337 | 0.00559 | 0.00706 | 0.00884 | 0.0216 | 0.0176 | 0.00815 | 0.00586 |
| **CCME Manganese Guideline (Chronic)** | | | | | 0.330 | 0.330 | 0.320 | 0.330 | 0.380 | 0.230 | 0.230 | 0.230 | 0.230 | 0.200 | 0.260 | 0.210 | 0.260 | 0.230 | 0.200 |
| **CCME Manganese Guideline (Acute)** | | | | | 2.225 | 2.136 | 2.129 | 2.827 | 1.985 | 1.894 | 1.936 | 1.943 | 0.958 | 0.958 | 0.997 | 1.317 | 1.087 | 1.019 | 1.050 |
| Mercury | mg/L | n/v | n/v | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 SFP | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | n/v | n/v | 0.000053 | 0.000048 | <0.000080 DLM | 0.000178 DTC | - | - | - | - | 0.000023 | 0.000024 | 0.000025 | 0.000048 | 0.000042 | - | - |
| Molybdenum | mg/L | n/v | n/v | n/v | 0.000072 | 0.000053 | 0.000077 | 0.000090 | <0.000050 | 0.000079 | 0.000071 | 0.000107 | 0.000053 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000078 | <0.000050 |
| Nickel | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | **0.0518$^{BC}$** | **0.0424$^{BC}$** | **0.0389$^{BC}$** | **0.0622$^{BC}$** | **0.0761$^{BC}$** | **0.0657$^{BC}$** | **0.0496$^{BC}$** | **0.0456$^{BC}$** | 0.00387 | 0.00348 | 0.00320 | 0.00748 | **0.0167$^{BC}$** | **0.00963$^{BC}$** | 0.00505 |
| **MSOG Nickel Guideline (Chronic)** | | | | | 0.018 | 0.017 | 0.017 | 0.023 | 0.016 | 0.015 | 0.016 | 0.016 | 0.008 | 0.008 | 0.008 | 0.011 | 0.009 | 0.009 | 0.009 |
| **MSOG Nickel Guideline (Acute)** | | | | | 0.163 | 0.157 | 0.156 | 0.205 | 0.146 | 0.140 | 0.142 | 0.143 | 0.072 | 0.072 | 0.075 | 0.098 | 0.082 | 0.077 | 0.079 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 0.872 | 0.855 | 0.900 | 1.28 | 0.811 | 0.871 | 0.923 | 1.01 | 0.623 | 0.628 | 0.639 | 0.802 | 0.589 | 0.661 | 0.710 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00112 | 0.00114 | 0.00106 | 0.00149 | 0.00110 | 0.00123 | 0.00116 | 0.00125 | 0.00123 | 0.00106 | 0.00103 | 0.00134 | 0.00098 | 0.00105 | 0.00116 |
| Selenium | mg/L | n/v | n/v | n/v | 0.000125 | 0.000074 | <0.000050 | 0.000054 | 0.000064 | <0.000050 | <0.000050 | 0.000115 | <0.000050 | <0.000050 | 0.000068 | 0.000072 | <0.000050 | <0.000050 | <0.000050 |
| Silicon | mg/L | n/v | n/v | n/v | 3.33 | 3.70 | 4.04 | 3.92 | 2.58 | 2.64 | 3.39 | 3.62 | 3.57 | 3.69 | 3.97 | 3.78 | 2.51 | 2.39 | 2.94 |
| Silver | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 1.87 | 1.94 | 2.04 | 2.58 | 1.62 | 1.57 | 1.63 | 1.73 | 1.18 | 1.17 | 1.30 | 1.50 | 1.20 | 1.14 | 1.28 |
| Strontium | mg/L | n/v | n/v | 2.5$^{F}$ | 0.0242 | 0.0242 | 0.0248 | 0.0310 | 0.0223 | 0.0200 | 0.0217 | 0.0207 | 0.0131 | 0.0133 | 0.0151 | 0.0160 | 0.0131 | 0.0131 | 0.0139 |
| Sulfur | mg/L | n/v | n/v | n/v | 4.54 | 4.00 | 3.76 | 6.00 | 5.55 | 3.32 | 2.62 | 2.46 | <0.50 | 0.67 | 0.70 | 1.14 | 1.50 | 0.75 | 0.56 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00018 | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | 0.00032 | 0.00036 | 0.00046 | <0.00030 | <0.00030 | 0.00048 | 0.00054 | 0.00080 | <0.00030 | <0.00030 | <0.00030 | 0.00065 | <0.00030 | <0.00030 | <0.00030 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | n/v | n/v | n/v | 0.000015 | 0.000016 | 0.000016 | 0.000021 | 0.000021 | 0.000021 | 0.000021 | 0.000022 | 0.000011 | 0.000011 | 0.000014 | 0.000015 | 0.000020 | 0.000017 | 0.000018 |
| Vanadium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | Equation*$_{s5}^{BC}$ | Equation*$_{EQ1,EQ2}^{DE}$ | n/v | 0.0130 | 0.0111 | 0.0108 | 0.0133 | 0.0126 | 0.0130 | 0.0122 | 0.0128 | 0.0023 | 0.0036 | 0.0011 | 0.0027 | 0.0042 | 0.0027 | 0.0019 |
| **MSOG Zinc Guideline (Chronic)** | | | | | 0.041 | 0.039 | 0.039 | 0.052 | 0.037 | 0.035 | 0.036 | 0.036 | 0.018 | 0.018 | 0.019 | 0.025 | 0.021 | 0.019 | 0.020 |
| **MSOG Zinc Guideline (Acute)** | | | | | 0.041 | 0.039 | 0.039 | 0.051 | 0.036 | 0.035 | 0.036 | 0.036 | 0.018 | 0.018 | 0.019 | 0.025 | 0.020 | 0.019 | 0.020 |
| **CCME Zinc Guideline (Chronic)** | | | | | 0.022 | 0.023 | 0.017 | 0.027 | 0.016 | 0.017 | 0.019 | 0.022 | 0.008 | 0.006 | 0.007 | 0.011 | 0.009 | 0.009 | 0.011 |
| **CCME Zinc Guideline (Acute)** | | | | | 0.049 | 0.048 | 0.048 | 0.066 | 0.045 | 0.045 | 0.046 | 0.046 | 0.020 | 0.020 | 0.022 | 0.030 | 0.025 | 0.023 | 0.024 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| **Area** | | | | | **MacLellan** | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Location** | | | | | **AQM28 - Surface** | | | | | | | | **AQM29C-Surface** | | | | | | |
| **Sample Date** | | | | | **21-Jan-25** | **26-Feb-25** | **22-Mar-25** | **25-Apr-25** | **24-May-25** | **29-Oct-25** | **25-Nov-25** | **17-Dec-25** | **21-Jan-25** | **28-Feb-25** | **22-Mar-25** | **25-Apr-25** | **24-May-25** | **29-Oct-25** | **17-Dec-25** |
| **Sample ID** | | | | | **AQM28** | **AQM28** | **AQM28** | **AQM28** | **AQM28** | **AQM28** | **AQM28** | **AQM28** | **AQM29C** | **AQM29C** | **AQM29C** | **AQM29C** | **AQM29C** | **AQM29C** | **AQM29C** |
| **Sampling Company** | | | | | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** |
| **Laboratory** | | | | | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** |
| **Laboratory Work Order** | | | | | **WP2501015** | **WP2502751** | **WP2503946** | **WP2505581** | **WP2507298** | **WP2519182** | **WP2520648** | **WP2521634** | **WP2501015** | **WP2502936** | **WP2503946** | **WP2505581** | **WP2507298** | **WP2519182** | **WP2521634** |
| **Laboratory Sample ID** | | | | | **WP2501015-002** | **WP2502751-017** | **WP2503946-002** | **WP2505581-003** | **WP2507298-032** | **WP2519182-003** | **WP2520648-009** | **WP2521634-010** | **WP2501015-001** | **WP2502936-004** | **WP2503946-001** | **WP2505581-002** | **WP2507298-031** | **WP2519182-002** | **WP2521634-009** |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** | | | | | | | | | | | | | | | |
| **Metals, Total** | | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | 0.005/0.1$_{VAR}$$^{C}$ | 0.005/0.1$_{VAR1}$$^{E}$ | Equation*$_{s1}$$^{F}$ | **0.105$^{CE}$** | 0.0963 | 0.0872 | **0.276$^{CE}$** | **0.208$^{CE}$** | **0.186$^{CE}$** | **0.128$^{CE}$** | **0.128$^{CE}$** | 0.0188 | 0.0188 | 0.0196 | 0.0620 | 0.0945 | 0.0515 | 0.0346 |
| **FEQG Aluminum Guideline (Chronic)** | | | | | 0.42 | 1.3 | 0.44 | 0.88 | 0.61 | 0.51 | 0.53 | 0.58 | 0.17 | 0.64 | 0.26 | 0.69 | 0.49 | 0.15 | 0.32 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | n/v | 0.005$^{E}$ | n/v | 0.00020 | 0.00025 | 0.00021 | 0.00032 | 0.00027 | 0.00030 | 0.00028 | 0.00030 | 0.00014 | 0.00027 | 0.00016 | 0.00020 | 0.00021 | 0.00022 | 0.00018 |
| Barium | mg/L | n/v | n/v | n/v | 0.00971 | 0.00966 | 0.0102 | 0.0129 | 0.00871 | 0.00818 | 0.00912 | 0.00961 | 0.00663 | 0.00706 | 0.00672 | 0.00801 | 0.00680 | 0.00618 | 0.00711 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | 29/1.5$_{s3}$$^{C}$ | 29$^{D}$ 1.5$^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | n/v | 0.001$_{STB}$$^{D}$ 0.00009$_{LTG}$$^{E}$ | n/v | 0.0000140 | 0.0000201 | 0.0000177 | 0.0000280 | 0.0000410 | 0.0000278 | 0.0000253 | 0.0000235 | <0.0000050 | **0.0000726$^{E}$** | <0.0000050 | 0.0000074 | 0.0000204 | 0.0000066 | <0.0000050 |
| **CCME Cadmium Guideline (Chronic)** | | | | | 0.00006 | 0.00005 | 0.00005 | 0.00007 | 0.00005 | 0.00005 | 0.00005 | 0.00005 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 |
| **CCME Cadmium Guideline (Acute)** | | | | | 0.00059 | 0.00056 | 0.00056 | 0.00078 | 0.00052 | 0.00049 | 0.00050 | 0.00050 | 0.00022 | 0.00022 | 0.00023 | 0.00032 | 0.00026 | 0.00024 | 0.00025 |
| Calcium | mg/L | n/v | n/v | n/v | 8.82 | 8.74 | 8.95 | 10.2 | 7.74 | 6.98 | 6.76 | 7.26 | 3.14 | 3.15 | 3.58 | 3.94 | 3.65 | 3.32 | 3.40 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | 0.000014 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | 0.00088 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Chromium (Hexavalent) | mg/L | n/v | 0.001$^{E}$ | 0.005$^{F}$ | <0.00050 | <0.00050 | <0.00050 | 0.00073 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00062 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Cobalt | mg/L | n/v | n/v | Equation*$_{s4}$$^{F}$ | 0.00046 | 0.00039 | 0.00036 | **0.00178$^{F}$** | **0.00124$^{F}$** | **0.00090$^{F}$** | 0.00070 | 0.00067 | <0.00010 | <0.00010 | <0.00010 | 0.00024 | 0.00038 | 0.00016 | <0.00010 |
| **FEQG Cobalt Guideline (Chronic)** | | | | | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 |
| Copper | mg/L | n/v | Equation*$_{EQ6}$$^{E}$ | n/v | **0.00322$^{E}$** | **0.00296$^{E}$** | **0.00289$^{E}$** | **0.00911$^{E}$** | **0.00598$^{E}$** | **0.00572$^{E}$** | **0.00361$^{E}$** | **0.00369$^{E}$** | 0.00073 | 0.00069 | <0.00050 | 0.00149 | 0.00177 | 0.00122 | 0.00071 |
| **CWQG Copper Guideline (Chronic)** | | | | | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| Iron | mg/L | 0.3$^{C}$ | 0.3$^{E}$ | Equation*$_{s5}$$^{F}$ | **0.580$^{CE}$** | **0.798$^{CEF}$** | **0.868$^{CEF}$** | **1.29$^{CEF}$** | **0.818$^{CEF}$** | **0.968$^{CEF}$** | **0.905$^{CEF}$** | **0.934$^{CEF}$** | 0.159 | 0.193 | 0.208 | **0.421$^{CE}$** | **0.368$^{CE}$** | **0.329$^{CEF}$** | 0.221 |
| **FEQG Iron Guideline (Chronic)** | | | | | 0.74 | 0.79 | 0.79 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.58 | 0.64 | 0.64 | 0.80 | 0.80 | 0.75 | 0.74 |
| Lead | mg/L | n/v | Equation*$_{EQ5}$$^{E}$ | n/v | <0.000050 | <0.000050 | <0.000050 | 0.000116 | 0.000051 | 0.000096 | 0.000067 | 0.000071 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| **CWQG Lead Guideline (Chronic)** | | | | | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Lithium | mg/L | n/v | n/v | n/v | 0.0015 | 0.0015 | <0.0010 | 0.0018 | <0.0010 | <0.0010 | 0.0018 | 0.0021 | 0.0014 | <0.0010 | 0.0016 | 0.0016 | <0.0010 | <0.0010 | 0.0021 |
| Magnesium | mg/L | n/v | n/v | n/v | 1.58 | 1.72 | 1.59 | 2.21 | 1.67 | 1.57 | 1.53 | 1.58 | 0.775 | 0.835 | 0.833 | 0.984 | 0.896 | 0.861 | 0.904 |
| Manganese | mg/L | n/v | n/v | n/v | 0.0387 | 0.0417 | 0.0374 | 0.0955 | 0.0782 | 0.0386 | 0.0365 | 0.0416 | 0.00955 | 0.0113 | 0.0121 | 0.0248 | 0.0349 | 0.0159 | 0.0113 |
| Mercury | mg/L | 0.000026$^{C}$ | 0.000026$^{E}$ | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | 0.004$^{E}$ | n/v | 0.000052 | 0.000041 | 0.000057 | 0.000124 | 0.000074 | - | - | - | 0.000028 | <0.000020 | 0.000021 | 0.000045 | 0.000046 | - | - |
| Molybdenum | mg/L | 0.073$^{C}$ | 0.073$^{E}$ | n/v | <0.000050 | 0.000070 | 0.000065 | 0.000098 | 0.000052 | 0.000085 | 0.000082 | 0.000089 | <0.000050 | <0.000050 | <0.000050 | 0.000052 | 0.000053 | <0.000050 | <0.000050 |
| Nickel | mg/L | n/v | Equation*$_{EQ7}$$^{E}$ | n/v | **0.0530$^{E}$** | **0.0450$^{E}$** | **0.0407$^{E}$** | **0.0660$^{E}$** | **0.0842$^{E}$** | **0.0769$^{E}$** | **0.0548$^{E}$** | **0.0504$^{E}$** | 0.00408 | 0.00412 | 0.00334 | 0.00785 | 0.0192 | 0.0110 | 0.00550 |
| **CWQG Nickel Guideline (Chronic)** | | | | | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 0.856 | 0.929 | 0.866 | 1.18 | 0.858 | 0.893 | 0.971 | 0.980 | 0.604 | 0.637 | 0.585 | 0.746 | 0.606 | 0.681 | 0.687 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00102 | 0.00108 | 0.00121 | 0.00139 | 0.00120 | 0.00126 | 0.00123 | 0.00139 | 0.00119 | 0.00106 | 0.00110 | 0.00129 | 0.00112 | 0.00121 | 0.00128 |
| Selenium | mg/L | 0.001$^{C}$ | 0.001$^{E}$ | n/v | 0.000144 | 0.000069 | <0.000050 | 0.000106 | 0.000200 | 0.000063 | <0.000050 | <0.000050 DTSE | <0.000050 | 0.000086 | 0.000064 | 0.000091 | 0.000155 | <0.000050 | 0.000072 |
| Silicon | mg/L | n/v | n/v | n/v | 3.08 | 3.66 | 3.90 | 4.03 | 2.68 | 2.87 | 3.43 | 3.69 | 3.49 | 3.78 | 3.69 | 3.57 | 2.65 | 2.61 | 3.00 |
| Silver | mg/L | 0.0001$^{C}$ | 0.00025$^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 1.85 | 2.06 | 2.00 | 2.36 | 1.68 | 1.73 | 1.71 | 1.81 | 1.16 | 1.78 | 1.35 | 1.39 | 1.17 | 1.20 | 1.30 |
| Strontium | mg/L | n/v | n/v | n/v | 0.0240 | 0.0245 | 0.0274 | 0.0297 | 0.0203 | 0.0213 | 0.0215 | 0.0221 | 0.0133 | 0.0134 | 0.0151 | 0.0163 | 0.0133 | 0.0137 | 0.0143 |
| Sulfur | mg/L | n/v | n/v | n/v | 4.85 | 3.79 | 3.71 | 5.45 | 5.29 | 3.74 | 3.03 | 2.25 | 0.76 | 0.70 | 0.60 | 0.95 | 1.47 | 0.79 | 0.62 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | 0.0008$^{C}$ | 0.0008$^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00381 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | 0.00069 | 0.00090 | 0.00082 | 0.00332 | 0.00187 | 0.00182 | 0.00146 | 0.00129 | <0.00030 | 0.00057 | 0.00044 | 0.00156 | 0.00310 | 0.00117 | 0.00073 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | 0.033/0.015$_{s4}$$^{C}$ | 0.033$^{D}$ 0.015$^{E}$ | n/v | 0.000017 | 0.000020 | 0.000018 | 0.000031 | 0.000023 | 0.000029 | 0.000027 | 0.000025 | 0.000016 | 0.000021 | 0.000014 | 0.000020 | 0.000022 | 0.000022 | 0.000018 |
| Vanadium | mg/L | n/v | n/v | 0.12$^{F}$ | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | n/v | n/v | n/v | **0.0121$^{E}$** | **0.0123$^{E}$** | **0.0114$^{E}$** | **0.0155$^{E}$** | **0.0169$^{E}$** | **0.0179$^{E}$** | **0.0143$^{E}$** | **0.0137$^{E}$** | 0.0037 | <0.0030 | <0.0030 | <0.0030 | 0.0044 | <0.0030 | <0.0030 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| Area | | | | | MacLellan | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQM31 - Surface | | | | | | | AQM71-Surface | | | | | | |
| Sample Date | | | | | 23-Jan-25 | 1-Mar-25 | 21-Mar-25 | 25-Apr-25 | 25-Oct-25 | 26-Nov-25 | 18-Dec-25 | 23-Jan-25 | 26-Feb-25 | 25-Apr-25 | 25-May-25 | 29-Oct-25 | 26-Nov-25 | 17-Dec-25 |
| Sample ID | | | | | AQM31 | AQM31 | AQM31 | AQM31 | AQM31 | AQM31 | AQM31 | AQM71 | AQM71 | AQM71 | AQM71 | AQM71 | AQM71 | AQM71 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | STANTEC | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | FIELD2025 | WP2502936 | WP2503946 | WP2505581 | WP2518837 | WP2520648 | WP2521634 | WP2501015 | WP2502751 | WP2505581 | WP2507527 | WP2519182 | WP2520648 | WP2521634 |
| Laboratory Sample ID | | | | | FIELD | WP2502936-017 | WP2503946-007 | WP2505581-015 | WP2518837-030 | WP2520648-016 | WP2521634-019 | WP2501015-004 | WP2502751-015 | WP2505581-005 | WP2507527-007 | WP2519182-005 | WP2520648-019 | WP2521634-015 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | |
| **Field Parameters** | | | | | | | | | | | | | | | | | | |
| Dissolved Oxygen, Field | mg/L | >6.0$^{BC}$ | >6.5$_{VAR}^{E}$ | n/v | 6.72 | 15.08 | **3.16$^{BCE}$** | 9.27 | 12.8 | 13.15 | 10.95 | 12.31 | 17.04 | 8.62 | 10.61 | 11.75 | 9.49 | 15.76 |
| Electrical Conductivity, Field | mS/cm | n/v | n/v | n/v | 0.9 | 1.1 | 61.7 | 18 | 14.4 | 16.8 | 18.8 | 78.2 | 3.7 | 3.85 | 106.5 | 68.2 | 83 | 26.5 |
| Oxidation Reduction Potential, field | mV | n/v | n/v | n/v | 37.3 | 36.9 | -45.7 | 117 | 141.7 | 188 | 165 | 136.8 | 179.4 | 111.1 | 107.9 | 130.8 | 123.2 | 110.7 |
| pH, Field | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v | 7.1 | **6.24$^{CE}$** | 6.61 | 6.5 | 6.52 | 6.62 | **6.33$^{CE}$** | 6.5 | 7.43 | 6.76 | **6.34$^{CE}$** | 6.7 | 6.82 | 7.2 |
| Specific Conductance, Field | µS/cm | n/v | n/v | n/v | - | 2.1 | 118.4 | 33.6 | 24.2 | 31.3 | 35.9 | - | 7.1 | 1.35 | 143.8 | 118.5 | 158.7 | 49.8 |
| Temperature, Field | deg C | n/v | n/v | n/v | 2.2 | -0.1 | 0 | 0.6 | 3.841 | 0.7 | 0.2 | -0.1 | -0.1 | -0.1 | 11.4 | 2.78 | 0 | 0.4 |
| Total Dissolved Solids, Field | mg/L | n/v | n/v | n/v | - | 1.00 | 76.7 | 22.1 | 16 | 20 | 23 | 97.00 | 5.00 | 49.1 | 93.60 | 77.01 | 103 | 32 |
| Turbidity, Field | NTU | n/v | n/v | n/v | - | 31.6 | 82.5 | 7.74 | - | 5.62 | 2.7 | 1.3 | 47.8 | 1.29 | - | - | 4.12 | 0 |
| **General Chemistry** | | | | | | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | n/v | n/v | n/v | - | 22.7 | 26.0 | 5.0 | 2.5 | 3.2 | 2.7 | 5.9 | 12.1 | 7.4 | 3.4 | 2.4 | <2.0 | 3.7 |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | n/v | n/v | n/v | - | 20.0 | 17.7 | 9.7 | 7.5 | 11.2 | 14.4 | 67.6 | 77.0 | 30.2 | 32.2 | 42.3 | 60.8 | 109 |
| Alkalinity, Carbonate (as CaCO3) | mg/L | n/v | n/v | n/v | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | n/v | n/v | n/v | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Phenolphthalein | mg/L | n/v | n/v | n/v | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Total (as CaCO3) | mg/L | n/v | n/v | n/v | - | 20.0 | 17.7 | 9.7 | 7.5 | 11.2 | 14.4 | 67.6 | 77.0 | 30.2 | 32.2 | 42.3 | 60.8 | 109 |
| Ammonia (as N) | mg/L | Equation*$_{TBC}^{BC}$ | 0.0173/190$_{TBC2}^{E}$ | n/v | - | 0.259 | 0.483 | 0.0262 | 0.103 | 0.111 | 0.359 | 0.218 | 0.438 | 0.0398 | 0.0286 | 0.0159 | 0.0389 | 0.264 |
| **MSOG Ammonia Guideline (Chronic)** | | | | | - | 6.67 | 6.55 | 6.67 | 6.65 | 6.54 | 6.67 | 6.67 | 4.63 | 6.36 | 6.67 | 6.44 | 6.26 | 5.39 |
| **CCME Ammonia Guideline (Chronic)** | | | | | - | 60.04 | 19.00 | 60.04 | 12.58 | 19.00 | 60.04 | 60.04 | 6.02 | 19.00 | 18.09 | 12.58 | 19.00 | 6.02 |
| Bromide | mg/L | n/v | n/v | n/v | - | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| Chloride | mg/L | n/v | 640$^{D}$ 120$^{E}$ | n/v | - | <0.50 | 1.39 | <0.50 | <0.50 | <0.50 | <0.50 | 2.00 | 3.67 | 1.43 | 0.69 | 1.47 | 1.73 | 2.98 |
| Cyanate | mg/L | n/v | n/v | n/v | - | 0.25 | 0.45 | <0.20 | <0.20 | <0.20 | <0.20 | 0.40 | 0.26 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| Cyanide | mg/L | 0.022/0.0052$_{s1}^{C}$ | 0.005$^{E}$ | n/v | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Free) | mg/L | 0.022/0.0052$_{s1}^{B}$ | 0.005$^{E}$ | n/v | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Weak Acid Dissociable) | mg/L | n/v | 0.005$^{E}$ | n/v | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0014 | <0.0010 |
| Dissolved Organic Carbon (DOC) | mg/L | n/v | n/v | n/v | - | 21.4 | 26.3 | 11.4 | 19 | 22.6 | 16.3 | 15.9 | 20.2 | 27.9 | 22.5 | 17.7 | 18.1 | 26.4 |
| Electrical Conductivity, Lab | µS/cm | n/v | n/v | n/v | - | 48.4 | 47.8 | 23.1 | 25.7 | 33.8 | 39.7 | 142 | 184 | 86.4 | 88.9 | 126 | 165 | 235 |
| Fluoride | mg/L | n/v | 0.12$^{E}$ | n/v | - | 0.041 | 0.040 | 0.021 | 0.028 | 0.036 | 0.044 | 0.037 | 0.039 | 0.026 | 0.044 | 0.044 | 0.044 | 0.051 |
| Hardness (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | - | 11.9 | 15.2 | 18.5 | - | - | - | - | 57.7 | 76.5 | 117 |
| Hardness (as CaCO3), dissolved | mg/L | n/v | n/v | n/v | - | 23.2 | 22.9 | 11.9 | 10.9 | 14.9 | 17.7 | 81.6 | 83.7 | 42.1 | 42.1 | 55.8 | 75.2 | 114 |
| Nitrate (as N) | mg/L | 13$^{C}$ | 124$^{D}$ 3.0$^{E}$ | n/v | - | <0.020 | <0.020 | <0.020 | 0.045 | 0.027 | 0.027 | 0.047 | 0.732 | <0.020 | 0.025 | 0.026 | 0.024 | 0.064 |
| Nitrate + Nitrite (as N) | mg/L | 10$^{B}$ 10$^{C}$ | n/v | n/v | - | <0.0224 | <0.0224 | <0.0224 | 0.0450 | 0.0270 | 0.0270 | 0.0470 | 0.732 | <0.0224 | 0.0250 | 0.0260 | 0.0240 | 0.0640 |
| Nitrite (as N) | mg/L | 0.06$^{C}$ | 0.06$^{E}$ | n/v | - | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| pH, lab | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v | - | 6.63 | 6.61 | 6.73 | 6.80 | 6.83 | 6.59 | 7.10 | 7.03 | 6.94 | 7.49 | 7.64 | 7.41 | 7.24 |
| Phosphorus, Total | mg/L | 0.025$^{A}$ | n/v | n/v | - | **0.0713$^{A}$** | **0.103$^{A}$** | **0.0529$^{A}$** | **0.0260$^{A}$** | 0.0212 | 0.0233 | **0.106$^{A}$** | **0.259$^{A}$** | 0.0242 | 0.0179 | 0.0090 | 0.0095 | **0.0521$^{A}$** |
| Phosphorus, Total (Dissolved) | mg/L | n/v | n/v | n/v | - | 0.0073 | 0.0107 | 0.0068 | 0.0054 | 0.0063 | 0.0071 | 0.0100 | - | 0.0154 | 0.0096 | 0.0052 | 0.0049 | 0.0324 |
| Sulfate | mg/L | n/v | n/v | n/v | - | <0.30 | <0.30 | <0.30 | <0.30 | 0.36 | 0.59 | 12.0 | 4.95 | 5.82 | 7.85 | 13.4 | 14.4 | 16.1 |
| Thiocyanate | mg/L | n/v | n/v | n/v | - | <0.50 SFT | 0.90 SFT | 0.52 | 0.62 | 0.65 | 0.62 | 0.59 SFT | <0.50 | 1.08 | 0.78 | 0.61 | 0.59 | 0.62 |
| Total Dissolved Solids | mg/L | n/v | n/v | n/v | - | 54.9 | 78.7 DLM | 27.9 | 42.7 | 56.0 | 64.9 | 115 | 140 | 69.7 | 72.5 | 108 | 79.4 | 183 |
| Total Kjeldahl Nitrogen | mg/L | n/v | n/v | n/v | - | 1.88 | 2.33 | 0.736 | 0.888 | 1.06 | 1.04 | 1.74 | 2.50 | 0.809 | 4.30 | 0.400 | 0.580 | 1.15 |
| Total Organic Carbon | mg/L | n/v | n/v | n/v | - | 29.9 | 33.3 | 12.6 | 19.2 | 22.5 | 25.2 | 22.6 | 34.0 | 28.4 | 19.5 | 17.3 | 18.4 | 27.0 |
| Total Suspended Solids | mg/L | $_{SN}^{BC}$ | $_{SN}^{E}$ | n/v | - | 40.7 | 294 AHT | 8.0 | 2.3 | 1.2 | 1.3 | 65.7 AHT | 122 AHT | <1.0 | 1.4 | 1.7 | <1.0 | 13.9 |
| Turbidity, Lab | NTU | n/v | n/v | n/v | - | 20.8 | 121 | 2.94 | 2.68 | 1.66 | 1.32 | 4.16 | 17.8 | 1.08 | 1.98 | 0.60 | 1.05 | 3.50 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| **Area** | | | | | **MacLellan** | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Location** | | | | | **AQM31 - Surface** | | | | | | | **AQM71-Surface** | | | | | | |
| **Sample Date** | | | | | **23-Jan-25** | **1-Mar-25** | **21-Mar-25** | **25-Apr-25** | **25-Oct-25** | **26-Nov-25** | **18-Dec-25** | **23-Jan-25** | **26-Feb-25** | **25-Apr-25** | **25-May-25** | **29-Oct-25** | **26-Nov-25** | **17-Dec-25** |
| **Sample ID** | | | | | **AQM31** | **AQM31** | **AQM31** | **AQM31** | **AQM31** | **AQM31** | **AQM31** | **AQM71** | **AQM71** | **AQM71** | **AQM71** | **AQM71** | **AQM71** | **AQM71** |
| **Sampling Company** | | | | | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** |
| **Laboratory** | | | | | **STANTEC** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** |
| **Laboratory Work Order** | | | | | **FIELD2025** | **WP2502936** | **WP2503946** | **WP2505581** | **WP2518837** | **WP2520648** | **WP2521634** | **WP2501015** | **WP2502751** | **WP2505581** | **WP2507527** | **WP2519182** | **WP2520648** | **WP2521634** |
| **Laboratory Sample ID** | | | | | **FIELD** | **WP2502936-017** | **WP2503946-007** | **WP2505581-015** | **WP2518837-030** | **WP2520648-016** | **WP2521634-019** | **WP2501015-004** | **WP2502751-015** | **WP2505581-005** | **WP2507527-007** | **WP2519182-005** | **WP2520648-019** | **WP2521634-015** |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** | | | | | | | | | | | | | | |
| **Metals, Dissolved** | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | n/v | n/v | n/v | - | 0.0398 | 0.0533 | 0.0059 | 0.0501 | 0.0578 | 0.0681 | 0.0353 | 0.0304 | 0.0345 | 0.0378 | 0.0275 | 0.0294 | 0.0432 |
| Antimony | mg/L | n/v | n/v | n/v | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | 0.34/0.15$_{s2}^{BC}$ | n/v | n/v | - | 0.00032 | 0.00034 | <0.00010 | 0.00020 | 0.00024 | 0.00027 | 0.00024 | 0.00025 | 0.00013 | 0.00025 | 0.00025 | 0.00022 | 0.00038 |
| Barium | mg/L | n/v | n/v | n/v | - | 0.0150 | 0.0176 | 0.00760 | 0.00709 | 0.00800 | 0.0104 | 0.0146 | 0.0138 | 0.00972 | 0.00914 | 0.00936 | 0.0121 | 0.0202 |
| Beryllium | mg/L | n/v | n/v | n/v | - | 0.000024 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | n/v | n/v | n/v | - | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | - | <0.0000050 | 0.0000052 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000099 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000412 |
| **MSOG Cadmium Guideline (Chronic)** | | | | | - | 0.00009 | 0.00009 | 0.00006 | 0.00006 | 0.00007 | 0.00008 | 0.00021 | 0.00022 | 0.00013 | 0.00013 | 0.00017 | 0.00020 | 0.00027 |
| **MSOG Cadmium Guideline (Acute)** | | | | | - | 0.00049 | 0.00048 | 0.00025 | 0.00025 | 0.00032 | 0.00039 | 0.00165 | 0.00169 | 0.00087 | 0.00087 | 0.00118 | 0.00155 | 0.00235 |
| Calcium | mg/L | n/v | n/v | n/v | - | 7.59 | 7.45 | 3.85 | 3.49 | 4.76 | 5.59 | 27.9 | 27.5 | 13.9 | 14.2 | 19.1 | 25.5 | 38.1 |
| Cesium | mg/L | n/v | n/v | n/v | - | 0.000013 | <0.000010 | <0.000010 | 0.000011 | 0.000014 | 0.000017 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00059 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| **MSOG Chromium Guideline (Chronic)** | | | | | - | 0.00425 | 0.00422 | 0.00303 | 0.00303 | 0.00343 | 0.00379 | 0.00798 | 0.00808 | 0.00573 | 0.00573 | 0.00671 | 0.00773 | 0.00955 |
| Cobalt | mg/L | n/v | n/v | n/v | - | 0.00058 | 0.00081 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00026 | 0.00017 | <0.00010 | <0.00010 | 0.00035 RRV | <0.00010 | 0.00041 |
| Copper | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s2}^{F}$ | - | 0.00141 RRV | <0.00020 | 0.00035 | 0.00042 | 0.00026 | 0.00044 | 0.00028 | 0.00061 | 0.00072 | 0.00040 | 0.00031 | <0.00020 | 0.00224 |
| **MSOG Copper Guideline (Chronic)** | | | | | - | 0.00257 | 0.00254 | 0.00145 | 0.00145 | 0.00179 | 0.00212 | 0.00753 | 0.00769 | 0.00428 | 0.00428 | 0.00560 | 0.00712 | 0.01024 |
| **MSOG Copper Guideline (Acute)** | | | | | - | 0.0034 | 0.0034 | 0.0018 | 0.0018 | 0.0023 | 0.0027 | 0.0111 | 0.0114 | 0.0059 | 0.0059 | 0.0080 | 0.0104 | 0.0156 |
| **FEQG Copper Guideline (Chronic)** | | | | | - | 0.0016 | 0.0028 | 0.0014 | 0.0026 | 0.0022 | 0.0014 | 0.0023 | 0.0178 | 0.0058 | 0.0015 | 0.0036 | 0.0055 | 0.0189 |
| Iron | mg/L | n/v | n/v | n/v | - | 4.70 | 14.2 | 0.895 | 0.223 | 0.394 | 0.501 | 0.369 | 0.442 | 0.264 | 0.136 | 0.097 | 0.185 | 0.447 |
| Lead | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s3}^{F}$ | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000052 |
| **MSOG Lead Guideline (Chronic)** | | | | | - | 0.00050 | 0.00049 | 0.00023 | 0.00023 | 0.00031 | 0.00039 | 0.00202 | 0.00207 | 0.00097 | 0.00097 | 0.00138 | 0.00188 | 0.00298 |
| **MSOG Lead Guideline (Acute)** | | | | | - | 0.01276 | 0.01257 | 0.00598 | 0.00598 | 0.00791 | 0.00988 | 0.05172 | 0.05318 | 0.02489 | 0.02489 | 0.03532 | 0.04819 | 0.07659 |
| **FEQG Lead Guideline (Chronic)** | | | | | - | 0.0146 | 0.0162 | 0.0092 | 0.0119 | 0.0137 | 0.0121 | 0.0164 | 0.0187 | 0.0190 | 0.0170 | 0.0161 | 0.0173 | 0.0230 |
| Lithium | mg/L | n/v | n/v | n/v | - | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0015 | 0.0016 | 0.0014 | 0.0016 | <0.0010 | 0.0013 | <0.0010 | 0.0018 | 0.0024 |
| Magnesium | mg/L | n/v | n/v | n/v | - | 1.02 | 1.04 | 0.561 | 0.539 | 0.735 | 0.903 | 2.90 | 3.65 | 1.80 | 1.62 | 1.98 | 2.80 | 4.52 |
| Manganese | mg/L | n/v | Equation*$_{EQ3,EQ4}^{DE}$ | n/v | - | **0.284**$^{E}$ | **0.354**$^{E}$ | 0.0527 | 0.00386 | 0.00274 | 0.0104 | 0.331 | 0.123 | 0.0468 | 0.0173 | 0.0106 | 0.0786 | 0.532 |
| **CCME Manganese Guideline (Chronic)** | | | | | - | 0.250 | 0.200 | 0.210 | 0.210 | 0.210 | 0.210 | 0.530 | 0.560 | 0.350 | 0.350 | 0.430 | 0.590 | 0.650 |
| **CCME Manganese Guideline (Acute)** | | | | | - | 1.846 | 1.825 | 1.027 | 1.027 | 1.273 | 1.513 | 5.568 | 5.694 | 3.114 | 3.114 | 4.107 | 5.261 | 7.640 |
| Mercury | mg/L | n/v | n/v | n/v | - | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | n/v | n/v | - | 0.000236 | 0.000838 | 0.000194 | - | - | - | 0.00261 | 0.00448 | - | - | - | - | - |
| Molybdenum | mg/L | n/v | n/v | n/v | - | 0.000068 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000079 | 0.000067 | <0.000050 | 0.000062 | <0.000050 | 0.000067 |
| Nickel | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00061 | 0.00061 | 0.00054 | <0.00050 | 0.00097 | 0.00053 | 0.00075 |
| **MSOG Nickel Guideline (Chronic)** | | | | | - | 0.015 | 0.015 | 0.009 | 0.009 | 0.011 | 0.012 | 0.044 | 0.045 | 0.025 | 0.025 | 0.033 | 0.041 | 0.059 |
| **MSOG Nickel Guideline (Acute)** | | | | | - | 0.136 | 0.135 | 0.077 | 0.077 | 0.095 | 0.112 | 0.394 | 0.403 | 0.225 | 0.225 | 0.294 | 0.373 | 0.535 |
| Phosphorus | mg/L | n/v | n/v | n/v | - | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | - | 0.647 | 0.675 | 0.362 | 0.679 | 0.858 | 1.00 | 1.06 | 1.38 | 2.47 | 1.19 | 2.05 | 2.00 | 3.47 |
| Rubidium | mg/L | n/v | n/v | n/v | - | 0.00105 | 0.00093 | 0.00056 | 0.00117 | 0.00140 | 0.00159 | 0.00146 | 0.00196 | 0.00294 | 0.00137 | 0.00192 | 0.00200 | 0.00331 |
| Selenium | mg/L | n/v | n/v | n/v | - | 0.000096 | 0.000148 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000148 DTSE | 0.000085 | 0.000071 | 0.000062 | <0.000050 | <0.000050 | 0.000090 |
| Silicon | mg/L | n/v | n/v | n/v | - | 2.94 | 3.86 | 0.813 | 1.34 | 2.31 | 2.76 | 8.00 | 9.61 | 4.55 | 1.54 | 4.43 | 6.85 | 10.4 |
| Silver | mg/L | n/v | n/v | n/v | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | - | 1.12 | 1.04 | 0.923 | 0.713 | 0.934 | 1.15 | 2.41 | 2.97 | 1.49 | 1.49 | 1.86 | 2.22 | 3.46 |
| Strontium | mg/L | n/v | n/v | 2.5$^{F}$ | - | 0.0201 | 0.0208 | 0.00881 | 0.00927 | 0.0122 | 0.0137 | 0.0387 | 0.0423 | 0.0202 | 0.0205 | 0.0277 | 0.0379 | 0.0564 |
| Sulfur | mg/L | n/v | n/v | n/v | - | <0.50 | <0.50 | <0.50 | 0.52 | <0.50 | <0.50 | 4.41 | 1.99 | 2.18 | 2.99 | 4.17 | 5.33 | 5.69 |
| Tellurium | mg/L | n/v | n/v | n/v | - | 0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | n/v | n/v | n/v | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | - | <0.00010 | <0.00010 | 0.00034 RRV | 0.00011 | 0.00017 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | - | 0.00062 | 0.00103 | <0.00030 | 0.00042 | 0.00041 | 0.00060 | 0.00071 | 0.00083 | <0.00030 | 0.00075 | 0.00047 | 0.00057 | 0.00114 |
| Tungsten | mg/L | n/v | n/v | n/v | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | n/v | n/v | n/v | - | 0.000012 | 0.000014 | <0.000010 | <0.000010 | 0.000013 | 0.000015 | 0.000018 | 0.000029 | 0.000010 | 0.000014 | 0.000010 | 0.000010 | 0.000025 |
| Vanadium | mg/L | n/v | n/v | n/v | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | Equation*$_{s5}^{BC}$ | Equation*$_{EQ1,EQ2}^{DE}$ | n/v | - | 0.0048 | 0.0023 | 0.0026 | 0.0022 | 0.0016 | 0.0026 | 0.0011 | 0.0017 | 0.0021 | 0.0012 | 0.0013 | <0.0010 | 0.0044 |
| **MSOG Zinc Guideline (Chronic)** | | | | | - | 0.034 | 0.034 | 0.019 | 0.019 | 0.024 | 0.028 | 0.099 | 0.102 | 0.057 | 0.057 | 0.074 | 0.094 | 0.135 |
| **MSOG Zinc Guideline (Acute)** | | | | | - | 0.034 | 0.034 | 0.019 | 0.019 | 0.024 | 0.028 | 0.099 | 0.101 | 0.056 | 0.056 | 0.074 | 0.093 | 0.134 |
| **CCME Zinc Guideline (Chronic)** | | | | | - | 0.031 | 0.033 | 0.012 | 0.013 | 0.018 | 0.023 | 0.061 | 0.073 | 0.046 | 0.027 | 0.029 | 0.047 | 0.093 |
| **CCME Zinc Guideline (Acute)** | | | | | - | 0.048 | 0.050 | 0.024 | 0.027 | 0.035 | 0.038 | 0.129 | 0.139 | 0.085 | 0.081 | 0.099 | 0.126 | 0.196 |
| Zirconium | mg/L | n/v | n/v | n/v | - | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| **Area** | | | | | **MacLellan** | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Location** | | | | | **AQM31 - Surface** | | | | | | | **AQM71-Surface** | | | | | | |
| **Sample Date** | | | | | **23-Jan-25** | **1-Mar-25** | **21-Mar-25** | **25-Apr-25** | **25-Oct-25** | **26-Nov-25** | **18-Dec-25** | **23-Jan-25** | **26-Feb-25** | **25-Apr-25** | **25-May-25** | **29-Oct-25** | **26-Nov-25** | **17-Dec-25** |
| **Sample ID** | | | | | **AQM31** | **AQM31** | **AQM31** | **AQM31** | **AQM31** | **AQM31** | **AQM31** | **AQM71** | **AQM71** | **AQM71** | **AQM71** | **AQM71** | **AQM71** | **AQM71** |
| **Sampling Company** | | | | | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** |
| **Laboratory** | | | | | **STANTEC** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** |
| **Laboratory Work Order** | | | | | **FIELD2025** | **WP2502936** | **WP2503946** | **WP2505581** | **WP2518837** | **WP2520648** | **WP2521634** | **WP2501015** | **WP2502751** | **WP2505581** | **WP2507527** | **WP2519182** | **WP2520648** | **WP2521634** |
| **Laboratory Sample ID** | | | | | **FIELD** | **WP2502936-017** | **WP2503946-007** | **WP2505581-015** | **WP2518837-030** | **WP2520648-016** | **WP2521634-019** | **WP2501015-004** | **WP2502751-015** | **WP2505581-005** | **WP2507527-007** | **WP2519182-005** | **WP2520648-019** | **WP2521634-015** |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** | | | | | | | | | | | | | | |
| **Metals, Total** | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | 0.005/0.1$_{VAR}^{C}$ | 0.005/0.1$_{VAR1}^{E}$ | Equation*$_{s1}^{F}$ | - | **0.105$^{CE}$** | **0.647$^{CEF}$** | 0.0449 | 0.0747 | 0.0649 | 0.0814 | **0.751$^{CEF}$** | **1.01 RHT$^{CE}$** | 0.0422 | 0.0994 | 0.0489 | 0.0370 | **0.267$^{CE}$** |
| **FEQG Aluminum Guideline (Chronic)** | | | | | - | 0.30 | 0.44 | 0.28 | 0.31 | 0.38 | 0.29 | 0.66 | 1.3 | 0.64 | 0.43 | 0.68 | 0.82 | 1.2 |
| Antimony | mg/L | n/v | n/v | n/v | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00019 | <0.00010 |
| Arsenic | mg/L | n/v | 0.005$^{E}$ | n/v | - | 0.00032 | 0.00062 | 0.00021 | 0.00026 | 0.00032 | 0.00030 | 0.00042 | 0.00052 | 0.00027 | 0.00028 | 0.00027 | 0.00024 | 0.00044 |
| Barium | mg/L | n/v | n/v | n/v | - | 0.0285 | 0.0893 | 0.0103 | 0.00790 | 0.00888 | 0.0115 | 0.0259 | 0.0331 | 0.00992 | 0.00972 | 0.00963 | 0.0125 | 0.0236 |
| Beryllium | mg/L | n/v | n/v | n/v | - | <0.000020 | 0.000033 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | 0.000034 | 0.000039 | <0.000020 | <0.000020 | <0.000020 | 0.000431 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | - | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000113 | <0.000050 |
| Boron | mg/L | 29/1.5$_{s3}^{C}$ | 29$^{D}$ 1.5$^{E}$ | n/v | - | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | n/v | 0.001$_{STB}^{D}$ 0.00009$_{LTG}^{E}$ | n/v | - | <0.0000050 | **0.0000868$^{E}$** | 0.0000061 | <0.0000050 | **0.0000425$^{E}$** | <0.0000050 | 0.0000124 | 0.0000258 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000060 | 0.0000376 |
| **CCME Cadmium Guideline (Chronic)** | | | | | 0.00004 | 0.00005 | 0.00005 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00013 | 0.00014 | 0.00008 | 0.00008 | 0.00010 | 0.00013 | 0.00018 |
| **CCME Cadmium Guideline (Acute)** | | | | | 0.00011 | 0.00048 | 0.00047 | 0.00024 | 0.00024 | 0.00031 | 0.00038 | 0.00171 | 0.00175 | 0.00087 | 0.00087 | 0.00120 | 0.00160 | 0.00246 |
| Calcium | mg/L | n/v | n/v | n/v | - | 8.62 | 9.89 | 4.54 | 3.76 | 4.86 | 5.87 | 28.4 | 30.7 | 13.4 | 13.7 | 19.6 | 26.0 | 38.9 |
| Cesium | mg/L | n/v | n/v | n/v | - | 0.000013 | 0.000054 | <0.000010 | 0.000015 | 0.000013 | 0.000017 | 0.000140 | 0.000156 | <0.000010 | 0.000010 | <0.000010 | 0.000012 | 0.000041 |
| Chromium | mg/L | n/v | n/v | n/v | - | <0.00050 | 0.00081 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00153 | 0.00180 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00083 |
| Chromium (Hexavalent) | mg/L | n/v | 0.001$^{E}$ | 0.005$^{F}$ | - | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00053 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Cobalt | mg/L | n/v | n/v | Equation*$_{s4}^{F}$ | - | 0.00073 | **0.00128$^{F}$** | 0.00018 | <0.00010 | <0.00010 | <0.00010 | **0.00095$^{F}$** | **0.00127$^{F}$** | <0.00010 | <0.00010 | <0.00010 | 0.00011 | 0.00058 |
| **FEQG Cobalt Guideline (Chronic)** | | | | | - | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0009 | 0.0009 | 0.0008 | 0.0008 | 0.0008 | 0.0009 | 0.0011 |
| Copper | mg/L | n/v | Equation*$_{EQ6}^{E}$ | n/v | - | 0.00064 | 0.00192 | <0.00050 | <0.00050 | <0.00050 | 0.00053 | 0.00108 | **0.00225$^{E}$** | 0.00069 | <0.00050 | <0.00050 | <0.00050 | 0.00298 |
| **CWQG Copper Guideline (Chronic)** | | | | | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 |
| Iron | mg/L | 0.3$^{C}$ | 0.3$^{E}$ | Equation*$_{s5}^{F}$ | - | **8.65$^{CEF}$** | **23.9 RHT$^{CEF}$** | **2.81$^{CEF}$** | **0.665$^{CE}$** | **0.731$^{CE}$** | **0.799$^{CEF}$** | **2.19 RHT$^{CEF}$** | **4.66 RHT$^{CEF}$** | **0.354$^{CE}$** | 0.292 | 0.183 | 0.274 | **1.06$^{CEF}$** |
| **FEQG Iron Guideline (Chronic)** | | | | | - | 0.76 | 0.79 | 0.79 | 0.79 | 0.79 | 0.77 | 0.79 | 0.80 | 0.80 | 0.77 | 0.80 | 0.80 | 0.80 |
| Lead | mg/L | n/v | Equation*$_{EQ5}^{E}$ | n/v | - | 0.000118 | **0.00109$^{E}$** | 0.000062 | 0.000066 | <0.000050 | <0.000050 | 0.000528 | 0.000725 | <0.000050 | <0.000050 | <0.000050 | 0.000246 | 0.000192 |
| **CWQG Lead Guideline (Chronic)** | | | | | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.003 | 0.001 | 0.001 | 0.001 | 0.002 | 0.004 |
| Lithium | mg/L | n/v | n/v | n/v | - | 0.0024 | 0.0011 | <0.0010 | <0.0010 | <0.0010 | 0.0021 | 0.0024 | 0.0029 | 0.0011 | 0.0011 | <0.0010 | 0.0012 | 0.0031 |
| Magnesium | mg/L | n/v | n/v | n/v | - | 1.13 | 1.25 | 0.662 | 0.601 | 0.748 | 0.922 | 3.10 | 4.13 | 1.51 | 1.67 | 2.13 | 2.82 | 4.75 |
| Manganese | mg/L | n/v | n/v | n/v | - | 0.323 | 0.465 | 0.0981 | 0.0158 | 0.00777 | 0.0171 | 0.578 | 0.630 | 0.0441 | 0.0240 | 0.0147 | 0.0795 | 0.595 |
| Mercury | mg/L | 0.000026$^{C}$ | 0.000026$^{E}$ | n/v | - | <0.0000050 | 0.0000065 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000074 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | 0.004$^{E}$ | n/v | - | 0.000327 | 0.00126 | 0.000160 | - | - | - | 0.00310 | **0.00607$^{E}$** | - | - | - | - | - |
| Molybdenum | mg/L | 0.073$^{C}$ | 0.073$^{E}$ | n/v | - | <0.000050 | 0.000062 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000098 | 0.000066 | 0.000063 | 0.000075 | 0.000265 | 0.000073 |
| Nickel | mg/L | n/v | Equation*$_{EQ7}^{E}$ | n/v | - | 0.00052 | 0.00144 | <0.00050 | <0.00050 | 0.00063 | <0.00050 | 0.00139 | 0.00174 | <0.00050 | 0.00054 | 0.00051 | 0.00055 | 0.00104 |
| **CWQG Nickel Guideline (Chronic)** | | | | | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.082 | 0.083 | 0.025 | 0.025 | 0.025 | 0.078 | 0.108 |
| Phosphorus | mg/L | n/v | n/v | n/v | - | 0.050 | 0.115 | <0.050 | <0.050 | <0.050 | <0.050 | 0.125 | 0.138 | <0.050 | <0.050 | <0.050 | <0.050 | 0.062 |
| Potassium | mg/L | n/v | n/v | n/v | - | 0.699 | 0.846 | 0.458 | 0.699 | 0.835 | 0.964 | 1.20 | 1.70 | 2.26 | 1.25 | 2.13 | 1.91 | 3.27 |
| Rubidium | mg/L | n/v | n/v | n/v | - | 0.00112 | 0.00159 | 0.00066 | 0.00127 | 0.00140 | 0.00170 | 0.00318 | 0.00404 | 0.00260 | 0.00162 | 0.00233 | 0.00208 | 0.00387 |
| Selenium | mg/L | 0.001$^{C}$ | 0.001$^{E}$ | n/v | - | <0.000050 | 0.000108 | 0.000060 | 0.000092 | 0.000079 | 0.000066 | <0.000050 | 0.000073 | 0.000089 | 0.000070 | <0.000050 | <0.000050 | 0.000139 |
| Silicon | mg/L | n/v | n/v | n/v | - | 3.29 | 4.06 | 1.58 | 1.39 | 2.27 | 2.87 | 8.48 | 10.9 | 4.34 | 1.73 | 4.64 | 6.47 | 10.8 |
| Silver | mg/L | 0.0001$^{C}$ | 0.00025$^{E}$ | n/v | - | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | - | 1.16 | 1.04 | 1.27 | 0.722 | 1.03 | 1.17 | 2.47 | 3.09 | 1.35 | 1.48 | 1.96 | 2.30 | 3.52 |
| Strontium | mg/L | n/v | n/v | n/v | - | 0.0222 | 0.0336 | 0.0111 | 0.00933 | 0.0129 | 0.0141 | 0.0406 | 0.0467 | 0.0196 | 0.0208 | 0.0285 | 0.0379 | 0.0586 |
| Sulfur | mg/L | n/v | n/v | n/v | - | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 4.23 | 2.15 | 2.24 | 3.08 | 4.73 | 5.14 | 5.39 |
| Tellurium | mg/L | n/v | n/v | n/v | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | 0.0008$^{C}$ | 0.0008$^{E}$ | n/v | - | <0.000010 | 0.000011 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | 0.000011 | 0.000016 | <0.000010 | <0.000010 | <0.000010 | 0.000101 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00018 | 0.00024 | <0.00010 | <0.00010 | <0.00010 | 0.00012 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | - | 0.00015 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | - | 0.00302 | 0.0197 | 0.00126 | 0.00122 | 0.00076 | 0.00094 | 0.0412 | 0.0513 | 0.00097 | 0.00389 | 0.00178 | 0.00088 | 0.0140 |
| Tungsten | mg/L | n/v | n/v | n/v | - | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | 0.033/0.015$_{s4}^{C}$ | 0.033$^{D}$ 0.015$^{E}$ | n/v | - | 0.000018 | 0.000103 | <0.000010 | 0.000014 | 0.000017 | 0.000018 | 0.000111 | 0.000157 | 0.000016 | 0.000021 | 0.000013 | 0.000126 | 0.000048 |
| Vanadium | mg/L | n/v | n/v | 0.12$^{F}$ | - | <0.00050 | 0.00240 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00148 | 0.00247 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00063 |
| Zinc | mg/L | n/v | n/v | n/v | - | 0.0048 | **0.0153$^{E}$** | 0.0030 | <0.0030 | <0.0030 | <0.0030 | 0.0047 | **0.0079$^{E}$** | <0.0030 | <0.0030 | <0.0030 | <0.0030 | **0.0093$^{E}$** |
| Zirconium | mg/L | n/v | n/v | n/v | - | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | 0.00038 | 0.00049 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | 0.00033 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | MacLellan | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQM72-Surface | | | | | | | AQM73-Surface | AQM75-Surface | AQM76-Surface | | | | | AQM76-T25 | |
| Sample Date | | | | | 23-Jan-25 | 1-Mar-25 | 21-Mar-25 | 26-Apr-25 | 29-Oct-25 | 26-Nov-25 | 18-Dec-25 | 23-Jan-25 | 23-Jan-25 | 27-Apr-25 | 25-May-25 | 30-Oct-25 | 26-Nov-25 | 14-Dec-25 | 23-Jan-25 | 24-Feb-25 |
| Sample ID | | | | | AQM72 | AQM72 | AQM72 | AQM72 | AQM72 | AQM72 | AQM72 | AQM73 | AQM75 | AQM76 | AQM76 | AQM76 | AQM76 | AQM76 | AQM76-T25 | AQM76 - T25 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2501015 | WP2502936 | WP2503946 | WP2505581 | WP2519182 | WP2520648 | WP2521634 | WP2501015 | WP2501015 | WP2505581 | WP2507527 | WP2519182 | WP2520648 | WP2521492 | WP2501015 | WP2502751 |
| Laboratory Sample ID | | | | | WP2501015-006 | WP2502936-016 | WP2503946-006 | WP2505581-020 | WP2519182-007 | WP2520648-015 | WP2521634-018 | WP2501015-008 | WP2501015-007 | WP2505581-023 | WP2507527-012 | WP2519182-010 | WP2520648-011 | WP2521492-007 | WP2501015-009 | WP2502751-003 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | | | |
| **Field Parameters** | | | | | | | | | | | | | | | | | | | | | |
| Dissolved Oxygen, Field | mg/L | >6.0$^{BC}$ | $>6.5_{VAR}^{E}$ | n/v | 11.25 | 13.95 | 7.86 | 11.03 | 9.31 | **4.19$^{BCE}$** | **3.39$^{BCE}$** | 13.09 | 9.26 | 13.74 | 10.89 | 12.76 | 11.95 | 13.64 | 14.97 | 15.76 |
| Electrical Conductivity, Field | mS/cm | n/v | n/v | n/v | 2.2 | 6 | 26.8 | 11.03 | 12.7 | 14.5 | 16.6 | 1.1 | 6.2 | 13.8 | 29.4 | 22.1 | 13.2 | 13.5 | 0.1 | 13.1 |
| Oxidation Reduction Potential, field | mV | n/v | n/v | n/v | 82.5 | 134.8 | 114.2 | 154.7 | 137.3 | 204.9 | 170.8 | 152 | 130.3 | 145.3 | 128.1 | 161.2 | 1,915 | 187.7 | 86.1 | 198.8 |
| pH, Field | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v | 7.24 | **6.23$^{CE}$** | **5.96$^{CE}$** | **6.33$^{CE}$** | **5.89$^{CE}$** | **5.82$^{CE}$** | **5.85$^{CE}$** | 6.82 | 6.88 | 7.07 | 6.82 | 7.09 | 6.8 | 7.09 | 7.3 | 7.58 |
| Specific Conductance, Field | µS/cm | n/v | n/v | n/v | - | 11.5 | 51.3 | 24.4 | 21.7 | 27.7 | 31.8 | - | - | 23.7 | 36.4 | 48 | 25.1 | 25.7 | - | 25.2 |
| Temperature, Field | deg C | n/v | n/v | n/v | -0.1 | -0.1 | 0 | 0 | 3.34 | 0.1 | 0 | -0.1 | 0.1 | 3.1 | 14.9 | 4 | 0.1 | 0 | -0.1 | -0.1 |
| Total Dissolved Solids, Field | mg/L | n/v | n/v | n/v | 3.00 | 8.00 | 33.15 | 15.6 | 14.08 | 18 | 21 | 2.00 | 8.00 | 15.6 | 23.40 | 26.85 | 16 | 17 | 0.00 | 16.00 |
| Turbidity, Field | NTU | n/v | n/v | n/v | 4.2 | 4.28 | 12.4 | 5.88 | - | 3.26 | 2.93 | 3.65 | 3.63 | 2.41 | - | - | 0.42 | 0.07 | 8.46 | 3.27 |
| **General Chemistry** | | | | | | | | | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | n/v | n/v | n/v | 8.6 | 23.5 | 9.3 | 5.1 | 3.9 | 2.4 | 6.7 | 10.3 | 5.1 | <2.0 | <2.0 | 2.1 | 2.2 | 2.1 | <2.0 | 3.1 |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | n/v | n/v | n/v | 10.7 | 13.4 | 12.3 | 9.5 | 7.0 | 10.4 | 11.6 | 13.7 | 13.2 | 9.9 | 8.1 | 8.8 | 10.0 | 10.3 | 12.2 | 9.0 |
| Alkalinity, Carbonate (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Phenolphthalein | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Total (as CaCO3) | mg/L | n/v | n/v | n/v | 10.7 | 13.4 | 12.3 | 9.5 | 7.0 | 10.4 | 11.6 | 13.7 | 13.2 | 9.9 | 8.1 | 8.8 | 10.0 | 10.3 | 12.2 | 9.0 |
| Ammonia (as N) | mg/L | Equation*$_{TBC}^{BC}$ | 0.0173/190$_{TBC2}^{E}$ | n/v | 0.0492 | 0.0717 | 0.115 | 0.0525 | 0.0145 | 0.0337 | 0.123 | 0.0780 | 0.121 | 0.0086 | <0.0050 | 0.0106 | 0.0298 | 0.0371 | 0.0515 | 0.0290 |
| **MSOG Ammonia Guideline (Chronic)** | | | | | 5.27 | 6.67 | 6.67 | 6.67 | 6.67 | 6.67 | 6.67 | 6.26 | 6.16 | 5.74 | 6.11 | 5.69 | 6.29 | 5.69 | 5.08 | 4.05 |
| **CCME Ammonia Guideline (Chronic)** | | | | | 6.02 | 60.04 | 189.97 | 60.04 | 125.83 | 189.97 | 189.97 | 19.00 | 19.00 | 12.58 | 5.74 | 12.58 | 19.00 | 19.00 | 6.02 | 6.02 |
| Bromide | mg/L | n/v | n/v | n/v | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| Chloride | mg/L | n/v | 640$^{D}$ 120$^{E}$ | n/v | <0.50 | <0.50 | 0.92 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.63 |
| Cyanate | mg/L | n/v | n/v | n/v | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| Cyanide | mg/L | 0.022/0.0052$_{s1}^{C}$ | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0035 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Free) | mg/L | 0.022/0.0052$_{s1}^{B}$ | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0042 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Weak Acid Dissociable) | mg/L | n/v | 0.005$^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0046 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Dissolved Organic Carbon (DOC) | mg/L | n/v | n/v | n/v | 17.5 | 19.6 | 22.9 | 16.2 | 17.3 | 17.1 | 22.9 | 31.7 | 18.2 | 9.4 | 8.72 | 8.96 | 9.55 | 8.45 | 9.78 | 7.65 |
| Electrical Conductivity, Lab | µS/cm | n/v | n/v | n/v | 25.1 | 35.4 | 38.7 | 25.2 | 21.7 | 28.6 | 31.8 | 34.7 | 31.0 | 26.8 | 22.0 | 24.6 | 26.6 | 27.8 | 29.2 | 28.7 |
| Fluoride | mg/L | n/v | 0.12$^{E}$ | n/v | 0.033 | 0.035 | 0.041 | 0.031 | 0.036 | 0.030 | 0.036 | 0.039 | 0.037 | 0.065 | 0.059 | 0.058 | 0.065 | 0.067 | 0.070 | 0.064 |
| Hardness (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | - | 11.6 | 13.1 | 14.8 | - | - | - | - | 9.13 | 9.82 | 10.5 | - | - |
| Hardness (as CaCO3), dissolved | mg/L | n/v | n/v | n/v | 12.2 | 14.9 | 15.3 | 11.5 | 9.59 | 13.1 | 13.9 | 21.8 | 14.8 | 11.1 | 8.59 | 8.62 | 9.89 | 10.0 | 10.9 | 10.3 |
| Nitrate (as N) | mg/L | 13$^{C}$ | 124$^{D}$ 3.0$^{E}$ | n/v | <0.020 | 0.028 | <0.020 | <0.020 | <0.020 | <0.020 | 0.030 | <0.020 | <0.020 | 0.033 | <0.020 | <0.020 | <0.020 | 0.020 | 0.050 | 0.148 |
| Nitrate + Nitrite (as N) | mg/L | 10$^{B}$ 10$^{C}$ | n/v | n/v | <0.0224 | 0.0280 | <0.0224 | <0.0224 | <0.022 | <0.022 | 0.0300 | <0.0224 | <0.0224 | 0.0330 | <0.0224 | <0.022 | <0.022 | <0.022 | 0.0500 | 0.148 |
| Nitrite (as N) | mg/L | 0.06$^{C}$ | 0.06$^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| pH, lab | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v | **6.15$^{CE}$** | **6.39$^{CE}$** | 6.97 | 6.58 | 6.60 | **6.24$^{CE}$** | **6.24$^{CE}$** | **6.40$^{CE}$** | 6.58 | 7.05 | 7.07 | 7.00 | 7.00 | 6.87 | 6.82 | 6.68 |
| Phosphorus, Total | mg/L | 0.025$^{A}$ | n/v | n/v | 0.0246 | **0.0274$^{A}$** | **0.0534$^{A}$** | **0.0514$^{A}$** | **0.0791$^{A}$** | 0.0237 | **0.0292$^{A}$** | **0.0552$^{A}$** | 0.0205 | 0.0187 | 0.0189 | 0.0153 | 0.0180 | 0.0140 | **0.0344$^{A}$** | 0.0110 |
| Phosphorus, Total (Dissolved) | mg/L | n/v | n/v | n/v | 0.0144 | 0.0201 | 0.0240 | 0.0217 | 0.0116 | 0.0142 | 0.0201 | 0.0402 | 0.0054 | 0.0054 | 0.0041 | 0.0049 | 0.0049 | 0.0074 | 0.0079 | - |
| Sulfate | mg/L | n/v | n/v | n/v | <0.30 | 0.32 | <0.30 | <0.30 | <0.30 | <0.30 | <0.30 | <0.30 | <0.30 | 1.12 | 0.86 | 1.06 | 0.91 | 0.97 | 1.26 | 1.24 |
| Thiocyanate | mg/L | n/v | n/v | n/v | 0.52 SFT | <0.50 SFT | 0.80 SFT | 0.57 | 0.51 | 0.51 | 0.53 | 1.04 SFT | 0.59 SFT | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 SFT | <0.50 |
| Total Dissolved Solids | mg/L | n/v | n/v | n/v | 31.9 | 60.9 | 63.0 | 39.0 | 45.0 | 55.3 | 63.7 | 61.4 | 35.8 | 28.3 | 19.4 | 17.4 | 28.2 | 20.5 | 37.9 | 28.2 |
| Total Kjeldahl Nitrogen | mg/L | n/v | n/v | n/v | 0.531 | 0.540 | 0.796 | 0.575 | 0.657 | 0.714 | 0.748 | 0.862 | 0.692 | 0.350 | 0.333 | 0.323 | 0.469 | 0.354 | 0.525 | 0.316 |
| Total Organic Carbon | mg/L | n/v | n/v | n/v | 17.4 | 20.7 | 26.6 | 17.3 | 22.1 | 18.7 | 23.5 | 34.4 | 19.2 | 8.60 | 7.92 | 7.87 | 8.18 | 9.15 | 9.29 | 7.26 |
| Total Suspended Solids | mg/L | $_{SN}^{BC}$ | $_{SN}^{E}$ | n/v | 7.9 | 1.8 | 9.4 | 4.2 | 15.6 | 1.6 | 1.2 | <1.0 | <1.0 | 1.8 | 2.6 | 1.0 | <1.0 | 1.2 | 7.7 | <1.0 |
| Turbidity, Lab | NTU | n/v | n/v | n/v | 2.86 | 3.32 | 6.50 | 4.37 | 6.97 | 3.36 | 3.55 | 1.07 | 1.55 | 2.05 | 1.43 | 1.20 | 0.78 | 0.70 | 4.00 | 0.90 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| Area | | | | | MacLellan | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Location** | | | | | **AQM72-Surface** | | | | | | | **AQM73-Surface** | **AQM75-Surface** | **AQM76-Surface** | | | | | **AQM76-T25** | |
| **Sample Date** | | | | | **23-Jan-25** | **1-Mar-25** | **21-Mar-25** | **26-Apr-25** | **29-Oct-25** | **26-Nov-25** | **18-Dec-25** | **23-Jan-25** | **23-Jan-25** | **27-Apr-25** | **25-May-25** | **30-Oct-25** | **26-Nov-25** | **14-Dec-25** | **23-Jan-25** | **24-Feb-25** |
| **Sample ID** | | | | | **AQM72** | **AQM72** | **AQM72** | **AQM72** | **AQM72** | **AQM72** | **AQM72** | **AQM73** | **AQM75** | **AQM76** | **AQM76** | **AQM76** | **AQM76** | **AQM76** | **AQM76-T25** | **AQM76 - T25** |
| **Sampling Company** | | | | | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** |
| **Laboratory** | | | | | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** |
| **Laboratory Work Order** | | | | | **WP2501015** | **WP2502936** | **WP2503946** | **WP2505581** | **WP2519182** | **WP2520648** | **WP2521634** | **WP2501015** | **WP2501015** | **WP2505581** | **WP2507527** | **WP2519182** | **WP2520648** | **WP2521492** | **WP2501015** | **WP2502751** |
| **Laboratory Sample ID** | | | | | **WP2501015-006** | **WP2502936-016** | **WP2503946-006** | **WP2505581-020** | **WP2519182-007** | **WP2520648-015** | **WP2521634-018** | **WP2501015-008** | **WP2501015-007** | **WP2505581-023** | **WP2507527-012** | **WP2519182-010** | **WP2520648-011** | **WP2521492-007** | **WP2501015-009** | **WP2502751-003** |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** | | | | | | | | | | | | | | | | |
| **Metals, Dissolved** | | | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | n/v | n/v | n/v | 0.0639 | 0.0683 | 0.0767 | 0.0510 | 0.0564 | 0.0665 | 0.0699 | 0.108 | 0.0337 | 0.0116 | 0.0096 | 0.0109 | 0.0081 | 0.0100 | 0.0056 | 0.0062 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | 0.34/0.15$_{s2}^{BC}$ | n/v | n/v | 0.00021 | 0.00034 | 0.00028 | <0.00010 | 0.00021 | 0.00024 | 0.00029 | 0.00049 | 0.00023 | <0.00010 | 0.00026 | 0.00014 | 0.00013 | 0.00013 | 0.00016 | 0.00014 |
| Barium | mg/L | n/v | n/v | n/v | 0.00698 | 0.00817 | 0.00886 | 0.00638 | 0.00559 | 0.00690 | 0.00794 | 0.00600 | 0.00912 | 0.00664 | 0.00473 | 0.00518 | 0.00554 | 0.00655 | 0.00706 | 0.00704 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | n/v | n/v | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000057 | 0.0000134 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| **MSOG Cadmium Guideline (Chronic)** | | | | | 0.00006 | 0.00007 | 0.00007 | 0.00005 | 0.00005 | 0.00006 | 0.00006 | 0.00009 | 0.00006 | 0.00005 | 0.00004 | 0.00005 | 0.00005 | 0.00005 | 0.00005 | 0.00005 |
| **MSOG Cadmium Guideline (Acute)** | | | | | 0.00026 | 0.00032 | 0.00032 | 0.00024 | 0.00025 | 0.00028 | 0.00031 | 0.00046 | 0.00031 | 0.00024 | 0.00018 | 0.00020 | 0.00021 | 0.00022 | 0.00023 | 0.00022 |
| Calcium | mg/L | n/v | n/v | n/v | 3.70 | 4.46 | 4.46 | 3.40 | 2.92 | 3.97 | 4.18 | 6.78 | 4.76 | 3.04 | 2.26 | 2.37 | 2.74 | 2.70 | 3.04 | 2.85 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| **MSOG Chromium Guideline (Chronic)** | | | | | 0.00307 | 0.00340 | 0.00344 | 0.00298 | 0.00299 | 0.00318 | 0.00339 | 0.00412 | 0.00339 | 0.00293 | 0.00257 | 0.00265 | 0.00276 | 0.00285 | 0.00290 | 0.00282 |
| Cobalt | mg/L | n/v | n/v | n/v | 0.00020 | 0.00028 | 0.00034 | 0.00020 | 0.00018 | 0.00035 | 0.00037 | 0.00031 | <0.00010 | <0.00010 | <0.00010 | 0.00037 RRV | <0.00010 | 0.00028 RRV | <0.00010 | <0.00010 |
| Copper | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s2}^{F}$ | **0.00481 RRV$^{BC}$** | 0.00031 | 0.00042 | 0.00045 | 0.00023 | <0.00020 | **0.00087 RRV$^{F}$** | 0.00030 | 0.00119 | 0.00044 | 0.00067 | 0.00036 | 0.00024 | 0.00029 | 0.00036 | 0.00101 |
| **MSOG Copper Guideline (Chronic)** | | | | | 0.00148 | 0.00176 | 0.00180 | 0.00141 | 0.00142 | 0.00158 | 0.00175 | 0.00244 | 0.00175 | 0.00137 | 0.00110 | 0.00116 | 0.00124 | 0.00131 | 0.00135 | 0.00128 |
| **MSOG Copper Guideline (Acute)** | | | | | 0.0019 | 0.0022 | 0.0023 | 0.0018 | 0.0018 | 0.0020 | 0.0022 | 0.0032 | 0.0022 | 0.0017 | 0.0013 | 0.0014 | 0.0015 | 0.0016 | 0.0017 | 0.0016 |
| **FEQG Copper Guideline (Chronic)** | | | | | 0.0074 | 0.0012 | 0.0007 | 0.0013 | 0.0004 | 0.0003 | 0.0005 | 0.0059 | 0.0035 | 0.0027 | 0.0013 | 0.0027 | 0.0014 | 0.0025 | 0.0044 | 0.0051 |
| Iron | mg/L | n/v | n/v | n/v | 1.43 | 2.74 | 3.33 | 2.32 | 1.38 | 2.17 | 2.32 | 1.07 | 0.584 | 0.151 | 0.063 | 0.061 | 0.059 | 0.058 | 0.038 | 0.070 |
| Lead | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s3}^{F}$ | 0.000234 RRV | <0.000050 | 0.000058 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000126 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| **MSOG Lead Guideline (Chronic)** | | | | | 0.00024 | 0.00030 | 0.00031 | 0.00022 | 0.00023 | 0.00026 | 0.00030 | 0.00046 | 0.00030 | 0.00022 | 0.00016 | 0.00017 | 0.00019 | 0.00020 | 0.00021 | 0.00020 |
| **MSOG Lead Guideline (Acute)** | | | | | 0.00616 | 0.00773 | 0.00797 | 0.00575 | 0.00581 | 0.00668 | 0.00767 | 0.01190 | 0.00767 | 0.00553 | 0.00412 | 0.00442 | 0.00484 | 0.00519 | 0.00541 | 0.00507 |
| **FEQG Lead Guideline (Chronic)** | | | | | 0.0115 | 0.0127 | 0.0139 | 0.0109 | 0.0113 | 0.0115 | 0.0138 | 0.0177 | 0.0122 | 0.0082 | 0.0075 | 0.0077 | 0.0080 | 0.0077 | 0.0083 | 0.0072 |
| Lithium | mg/L | n/v | n/v | n/v | 0.0012 | 0.0011 | <0.0010 | <0.0010 | 0.0020 | 0.0016 | 0.0016 | 0.0020 | <0.0010 | 0.0013 | 0.0014 | <0.0010 | 0.0019 | 0.0010 | 0.0015 | 0.0016 |
| Magnesium | mg/L | n/v | n/v | n/v | 0.714 | 0.924 | 1.01 | 0.732 | 0.559 | 0.778 | 0.832 | 1.19 | 0.720 | 0.844 | 0.716 | 0.655 | 0.741 | 0.799 | 0.800 | 0.782 |
| Manganese | mg/L | n/v | Equation*$_{EQ3,EQ4}^{DE}$ | n/v | 0.0500 | 0.0738 | 0.0909 | 0.0766 | 0.0320 | 0.0868 | 0.0876 | 0.0816 | 0.0526 | 0.0209 | 0.00868 | 0.00470 | 0.00355 | 0.00461 | 0.00102 | 0.00882 |
| **CCME Manganese Guideline (Chronic)** | | | | | 0.260 | 0.260 | 0.200 | 0.200 | 0.200 | 0.190 | 0.190 | 0.190 | 0.230 | 0.230 | 0.250 | 0.230 | 0.250 | 0.230 | 0.250 | 0.260 |
| **CCME Manganese Guideline (Acute)** | | | | | 1.050 | 1.251 | 1.281 | 0.997 | 1.004 | 1.117 | 1.244 | 1.747 | 1.244 | 0.966 | 0.771 | 0.814 | 0.873 | 0.920 | 0.951 | 0.905 |
| Mercury | mg/L | n/v | n/v | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | n/v | n/v | 0.000073 | 0.000097 | 0.000161 | 0.000123 | - | 0.000125 | - | 0.000161 | 0.000105 | - | - | - | - | - | 0.000034 | <0.000020 |
| Molybdenum | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000068 | 0.000073 | <0.000050 | <0.000050 | 0.000058 | <0.000050 | <0.000050 | <0.000050 | 0.000057 | <0.000050 |
| Nickel | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.00050 | <0.00050 | 0.00051 | <0.00050 | 0.00068 | <0.00050 | 0.00052 | 0.00066 | <0.00050 | <0.00050 | <0.00050 | 0.00094 RRV | <0.00050 | 0.00075 | <0.00050 | <0.00050 |
| **MSOG Nickel Guideline (Chronic)** | | | | | 0.009 | 0.010 | 0.011 | 0.008 | 0.008 | 0.009 | 0.010 | 0.014 | 0.010 | 0.008 | 0.007 | 0.007 | 0.007 | 0.008 | 0.008 | 0.008 |
| **MSOG Nickel Guideline (Acute)** | | | | | 0.079 | 0.094 | 0.096 | 0.075 | 0.076 | 0.084 | 0.093 | 0.129 | 0.093 | 0.073 | 0.059 | 0.062 | 0.066 | 0.070 | 0.072 | 0.068 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 0.411 | 0.682 | 0.857 | 1.16 | 0.234 | 0.284 | 0.788 | 0.389 | 0.514 | 0.676 | 0.527 | 0.596 | 0.631 | 0.706 | 0.690 | 0.628 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00066 | 0.00118 | 0.00128 | 0.00195 | 0.00046 | 0.00058 | 0.00124 | 0.00050 | 0.00087 | 0.00128 | 0.00093 | 0.00106 | 0.00115 | 0.00126 | 0.00124 | 0.00112 |
| Selenium | mg/L | n/v | n/v | n/v | <0.000050 | 0.000082 | 0.000092 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000126 | <0.000050 | <0.000050 | <0.000050 | 0.000051 | <0.000050 | 0.000251 | <0.000050 |
| Silicon | mg/L | n/v | n/v | n/v | 2.62 | 3.32 | 4.02 | 2.80 | 3.01 | 3.60 | 3.09 | 6.60 | 1.36 | 3.59 | 2.62 | 2.43 | 2.69 | 2.97 | 4.08 | 3.82 |
| Silver | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 0.893 | 1.13 | 1.23 | 0.843 | 0.755 | 0.881 | 1.07 | 1.27 | 0.836 | 1.32 | 0.930 | 1.05 | 1.14 | 1.30 | 2.40 | 1.28 |
| Strontium | mg/L | n/v | n/v | 2.5$^{F}$ | 0.0103 | 0.0139 | 0.0143 | 0.00906 | 0.00883 | 0.0114 | 0.0115 | 0.0141 | 0.0122 | 0.0138 | 0.0102 | 0.0112 | 0.0124 | 0.0129 | 0.0144 | 0.0133 |
| Sulfur | mg/L | n/v | n/v | n/v | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.80 | <0.50 | 0.62 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | 0.00018 | <0.00010 | <0.00010 | 0.00018 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00026 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | 0.00132 | 0.00167 | 0.00176 | 0.00051 | 0.00121 | 0.00130 | 0.00138 | 0.00102 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | 0.000011 | <0.000010 | <0.000010 | <0.000010 | 0.000010 | <0.000010 | <0.000010 | 0.000010 | 0.000016 | 0.000013 | 0.000015 | 0.000013 | 0.000013 | 0.000011 |
| Vanadium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | Equation*$_{s5}^{BC}$ | Equation*$_{EQ1,EQ2}^{DE}$ | n/v | 0.0085 RRV | 0.0021 | 0.0027 | 0.0031 | 0.0017 | 0.0016 | 0.0035 | 0.0028 | 0.0026 | 0.0015 | 0.0022 | 0.0012 | <0.0010 | <0.0010 | <0.0010 | 0.0025 |
| **MSOG Zinc Guideline (Chronic)** | | | | | 0.020 | 0.024 | 0.024 | 0.019 | 0.019 | 0.021 | 0.023 | 0.032 | 0.023 | 0.018 | 0.015 | 0.016 | 0.017 | 0.018 | 0.018 | 0.017 |
| **MSOG Zinc Guideline (Acute)** | | | | | 0.020 | 0.023 | 0.024 | 0.019 | 0.019 | 0.021 | 0.023 | 0.032 | 0.023 | 0.018 | 0.015 | 0.015 | 0.017 | 0.017 | 0.018 | 0.017 |
| **CCME Zinc Guideline (Chronic)** | | | | | 0.023 | 0.024 | 0.016 | 0.015 | 0.015 | 0.022 | 0.028 | 0.041 | 0.019 | 0.008 | 0.006 | 0.007 | 0.007 | 0.008 | 0.009 | 0.009 |
| **CCME Zinc Guideline (Acute)** | | | | | 0.027 | 0.033 | 0.035 | 0.025 | 0.026 | 0.029 | 0.034 | 0.051 | 0.032 | 0.022 | 0.017 | 0.018 | 0.020 | 0.020 | 0.021 | 0.019 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | MacLellan | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Location** | | | | | **AQM72-Surface** | | | | | | | **AQM73-Surface** | **AQM75-Surface** | **AQM76-Surface** | | | | | **AQM76-T25** | |
| **Sample Date** | | | | | **23-Jan-25** | **1-Mar-25** | **21-Mar-25** | **26-Apr-25** | **29-Oct-25** | **26-Nov-25** | **18-Dec-25** | **23-Jan-25** | **23-Jan-25** | **27-Apr-25** | **25-May-25** | **30-Oct-25** | **26-Nov-25** | **14-Dec-25** | **23-Jan-25** | **24-Feb-25** |
| **Sample ID** | | | | | **AQM72** | **AQM72** | **AQM72** | **AQM72** | **AQM72** | **AQM72** | **AQM72** | **AQM73** | **AQM75** | **AQM76** | **AQM76** | **AQM76** | **AQM76** | **AQM76** | **AQM76-T25** | **AQM76 - T25** |
| **Sampling Company** | | | | | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** |
| **Laboratory** | | | | | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** |
| **Laboratory Work Order** | | | | | **WP2501015** | **WP2502936** | **WP2503946** | **WP2505581** | **WP2519182** | **WP2520648** | **WP2521634** | **WP2501015** | **WP2501015** | **WP2505581** | **WP2507527** | **WP2519182** | **WP2520648** | **WP2521492** | **WP2501015** | **WP2502751** |
| **Laboratory Sample ID** | | | | | **WP2501015-006** | **WP2502936-016** | **WP2503946-006** | **WP2505581-020** | **WP2519182-007** | **WP2520648-015** | **WP2521634-018** | **WP2501015-008** | **WP2501015-007** | **WP2505581-023** | **WP2507527-012** | **WP2519182-010** | **WP2520648-011** | **WP2521492-007** | **WP2501015-009** | **WP2502751-003** |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** | | | | | | | | | | | | | | | | |
| **Metals, Total** | | | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | $0.005/0.1_{VAR}^{C}$ | $0.005/0.1_{VAR1}^{E}$ | Equation*$_{s1}^{F}$ | **0.0786$^{CE}$** | **0.0827$^{CE}$** | **0.167$^{CE}$** | 0.0874 | **0.416$^{CEF}$** | **0.0724$^{CE}$** | **0.0880$^{CE}$** | **0.128$^{CE}$** | 0.0773 | 0.0460 | 0.0354 | 0.0256 | 0.0170 | 0.0183 | 0.0767 | 0.0148 |
| FEQG Aluminum Guideline (Chronic) | | | | | 0.78 | 0.24 | 0.18 | 0.24 | 0.15 | 0.17 | 0.18 | 0.55 | 0.52 | 0.52 | 0.34 | 0.50 | 0.35 | 0.49 | 0.71 | 0.88 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00020 | <0.00010 |
| Arsenic | mg/L | n/v | $0.005^{E}$ | n/v | 0.00019 | 0.00028 | 0.00041 | 0.00029 | 0.00067 | 0.00029 | 0.00032 | 0.00049 | 0.00026 | 0.00020 | 0.00015 | 0.00018 | 0.00016 | 0.00016 | 0.00017 | 0.00017 |
| Barium | mg/L | n/v | n/v | n/v | 0.00715 | 0.00881 | 0.0125 | 0.00691 | 0.0132 | 0.00750 | 0.00855 | 0.00614 | 0.0108 | 0.00666 | 0.00542 | 0.00586 | 0.00620 | 0.00680 | 0.00972 | 0.00732 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | 0.000024 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | $29/1.5_{s3}^{C}$ | $29^{D}$ $1.5^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | n/v | $0.001_{STB}^{D}$ $0.00009_{LTG}^{E}$ | n/v | <0.0000050 | <0.0000050 | 0.0000061 | 0.0000067 | 0.0000141 | 0.0000053 | 0.0000053 | 0.0000140 | 0.0000080 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000119 | <0.0000050 |
| CCME Cadmium Guideline (Chronic) | | | | | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 |
| CCME Cadmium Guideline (Acute) | | | | | 0.00025 | 0.00030 | 0.00031 | 0.00023 | 0.00024 | 0.00027 | 0.00030 | 0.00045 | 0.00030 | 0.00022 | 0.00017 | 0.00018 | 0.00020 | 0.00021 | 0.00022 | 0.00021 |
| Calcium | mg/L | n/v | n/v | n/v | 3.74 | 4.77 | 5.19 | 3.26 | 3.48 | 3.97 | 4.49 | 6.70 | 5.01 | 2.73 | 2.26 | 2.49 | 2.64 | 2.78 | 3.11 | 2.81 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | 0.000022 | 0.000013 | 0.000064 | <0.000010 | 0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | 0.000014 | <0.000010 |
| Chromium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00090 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00053 | <0.00050 |
| Chromium (Hexavalent) | mg/L | n/v | $0.001^{E}$ | $0.005^{F}$ | 0.00065 | <0.00050 | 0.00092 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | **0.00168 RRV$^{E}$** | <0.00050 | **0.00697 RRV$^{EF}$** | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Cobalt | mg/L | n/v | n/v | Equation*$_{s4}^{F}$ | 0.00020 | 0.00030 | 0.00044 | 0.00024 | **0.00151$^{F}$** | 0.00037 | 0.00039 | 0.00033 | 0.00015 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00014 | <0.00010 |
| FEQG Cobalt Guideline (Chronic) | | | | | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 |
| Copper | mg/L | n/v | Equation*$_{EQ6}^{E}$ | n/v | 0.00072 | <0.00050 | <0.00050 | <0.00050 | 0.00067 | <0.00050 | <0.00050 | 0.00084 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00079 | 0.00061 |
| CWQG Copper Guideline (Chronic) | | | | | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| Iron | mg/L | $0.3^{C}$ | $0.3^{E}$ | Equation*$_{s5}^{F}$ | **1.93$^{CEF}$** | **3.26$^{CEF}$** | **7.59$^{CEF}$** | **3.48$^{CEF}$** | **10.6$^{CEF}$** | **2.92$^{CEF}$** | **3.02$^{CEF}$** | **1.23$^{CEF}$** | **1.15$^{CEF}$** | **0.350$^{CE}$** | 0.203 | 0.183 | 0.130 | 0.130 | **0.516$^{CE}$** | 0.138 |
| FEQG Iron Guideline (Chronic) | | | | | 0.80 | 0.76 | 0.75 | 0.77 | 0.75 | 0.75 | 0.75 | 0.80 | 0.80 | 0.71 | 0.68 | 0.69 | 0.73 | 0.66 | 0.74 | 0.64 |
| Lead | mg/L | n/v | Equation*$_{EQ5}^{E}$ | n/v | 0.000088 | 0.000054 | 0.000116 | 0.000056 | 0.000267 | <0.000050 | 0.000053 | 0.000228 | 0.000080 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000086 | <0.000050 |
| CWQG Lead Guideline (Chronic) | | | | | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Lithium | mg/L | n/v | n/v | n/v | 0.0012 | 0.0022 | 0.0013 | <0.0010 | <0.0010 | <0.0010 | 0.0021 | 0.0023 | 0.0014 | 0.0011 | 0.0018 | <0.0010 | 0.0015 | 0.0020 | 0.0018 | <0.0010 |
| Magnesium | mg/L | n/v | n/v | n/v | 0.729 | 0.996 | 1.04 | 0.750 | 0.705 | 0.763 | 0.874 | 1.27 | 0.813 | 0.816 | 0.665 | 0.707 | 0.784 | 0.855 | 0.896 | 0.794 |
| Manganese | mg/L | n/v | n/v | n/v | 0.0523 | 0.0768 | 0.104 | 0.0793 | 0.300 | 0.0869 | 0.0933 | 0.0839 | 0.0722 | 0.0243 | 0.0187 | 0.0141 | 0.00806 | 0.00848 | 0.0607 | 0.0128 |
| Mercury | mg/L | $0.000026^{C}$ | $0.000026^{E}$ | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | $0.004^{E}$ | n/v | 0.000082 | 0.000086 | 0.000121 | 0.000305 | - | 0.000155 | - | 0.000187 | 0.000126 | - | - | - | - | - | 0.000037 | <0.000020 |
| Molybdenum | mg/L | $0.073^{C}$ | $0.073^{E}$ | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000069 | <0.000050 | <0.000050 | 0.000071 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000078 | <0.000050 |
| Nickel | mg/L | n/v | Equation*$_{EQ7}^{E}$ | n/v | 0.00052 | 0.00056 | 0.00072 | <0.00050 | 0.00097 | 0.00060 | 0.00059 | 0.00088 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00071 | 0.00054 | <0.00050 |
| CWQG Nickel Guideline (Chronic) | | | | | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | 0.084 | <0.050 | <0.050 | 0.058 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 0.388 | 0.699 | 0.812 | 1.19 | 0.326 | 0.280 | 0.768 | 0.402 | 0.528 | 0.679 | 0.544 | 0.630 | 0.668 | 0.729 | 0.715 | 0.649 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00075 | 0.00118 | 0.00146 | 0.00188 | 0.00113 | 0.00056 | 0.00135 | 0.00053 | 0.00088 | 0.00120 | 0.00102 | 0.00118 | 0.00113 | 0.00131 | 0.00138 | 0.00109 |
| Selenium | mg/L | $0.001^{C}$ | $0.001^{E}$ | n/v | <0.000050 | <0.000050 | 0.000066 | <0.000050 | 0.000075 | 0.000051 | 0.000073 | <0.000050 | <0.000050 | 0.000062 | 0.000050 | 0.000066 | <0.000050 | <0.000050 | <0.000050 | 0.000077 |
| Silicon | mg/L | n/v | n/v | n/v | 2.47 | 3.58 | 4.04 | 2.96 | 3.65 | 3.56 | 3.16 | 6.99 | 1.44 | 3.76 | 2.69 | 2.62 | 2.74 | 3.17 | 4.32 | 3.75 |
| Silver | mg/L | $0.0001^{C}$ | $0.00025^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 0.878 | 1.37 | 1.17 | 0.913 | 0.841 | 0.975 | 1.16 | 1.35 | 0.854 | 1.29 | 1.03 | 1.10 | 1.17 | 1.27 | 1.37 | 1.26 |
| Strontium | mg/L | n/v | n/v | n/v | 0.0106 | 0.0138 | 0.0165 | 0.00945 | 0.0114 | 0.0117 | 0.0127 | 0.0141 | 0.0132 | 0.0138 | 0.0106 | 0.0118 | 0.0130 | 0.0150 | 0.0155 | 0.0135 |
| Sulfur | mg/L | n/v | n/v | n/v | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | $0.0008^{C}$ | $0.0008^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | 0.000014 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00011 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | 0.00179 | 0.00206 | 0.00708 | 0.00337 | 0.0216 | 0.00186 | 0.00176 | 0.00174 | 0.00192 | 0.00202 | 0.00133 | 0.00094 | 0.00046 | 0.00067 | 0.00372 | 0.00041 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | $0.033/0.015_{s4}^{C}$ | $0.033^{D}$ $0.015^{E}$ | n/v | 0.000013 | 0.000012 | 0.000027 | <0.000010 | 0.000045 | <0.000010 | 0.000011 | <0.000010 | 0.000014 | 0.000018 | 0.000018 | 0.000021 | 0.000018 | 0.000021 | 0.000026 | 0.000016 |
| Vanadium | mg/L | n/v | n/v | $0.12^{F}$ | <0.00050 | <0.00050 | 0.00116 | 0.00051 | 0.00223 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | n/v | n/v | n/v | <0.0030 | 0.0032 | 0.0031 | 0.0030 | 0.0051 | <0.0030 | 0.0049 | <0.0030 | 0.0068 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | 0.00022 | <0.00020 | 0.00026 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| **Area** | | | | | **MacLellan** | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Location** | | | | | **AQM76-T50** | | **AQM76-T75** | | **AQM77-Surface** | | | | | | | |
| **Sample Date** | | | | | **23-Jan-25** | **24-Feb-25** | **23-Jan-25** | **24-Feb-25** | **23-Jan-25** | **26-Feb-25** | **22-Mar-25** | **25-Apr-25** | **25-May-25** | **29-Oct-25** | **26-Nov-25** | **17-Dec-25** |
| **Sample ID** | | | | | **AQM76-T50** | **AQM76 - T50** | **AQM76-T75** | **AQM76 - T75** | **AQM77** | **AQM77** | **AQM77** | **AQM77** | **AQM77** | **AQM77** | **AQM77** | **AQM77** |
| **Sampling Company** | | | | | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** |
| **Laboratory** | | | | | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** |
| **Laboratory Work Order** | | | | | **WP2501015** | **WP2502751** | **WP2501015** | **WP2502751** | **WP2501015** | **WP2502751** | **WP2503946** | **WP2505581** | **WP2507527** | **WP2519182** | **WP2520648** | **WP2521634** |
| **Laboratory Sample ID** | | | | | **WP2501015-010** | **WP2502751-001** | **WP2501015-011** | **WP2502751-002** | **WP2501015-003** | **WP2502751-014** | **WP2503946-003** | **WP2505581-006** | **WP2507527-008** | **WP2519182-006** | **WP2520648-020** | **WP2521634-016** |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** | | | | | | | | | | | | |
| **Field Parameters** | | | | | | | | | | | | | | | | |
| Dissolved Oxygen, Field | mg/L | $>6.0^{BC}$ | $>6.5_{VAR}^{E}$ | n/v | 13.61 | 12.16 | 13.43 | 13.03 | 13.34 | 13.75 | 10.8 | 12.89 | 10.72 | 13.24 | 12.26 | 13.24 |
| Electrical Conductivity, Field | mS/cm | n/v | n/v | n/v | 0.8 | 16.6 | 0.6 | 12.7 | 13.4 | 8.7 | 20.5 | 14.7 | 29.3 | 14.2 | 13.3 | 11.8 |
| Oxidation Reduction Potential, field | mV | n/v | n/v | n/v | 77.3 | 183.8 | 820 | 212.3 | 936 | 155.8 | 164.2 | 85.2 | 102.1 | 117.9 | 115.9 | 147.7 |
| pH, Field | S.U. | $6.5\text{-}9.0^{C}$ | $6.5\text{-}9.0^{E}$ | n/v | 7.03 | 7.95 | 6.9 | 7.78 | 6.76 | 7.78 | 6.57 | 7.14 | 6.73 | 6.86 | 6.99 | 7.02 |
| Specific Conductance, Field | µS/cm | n/v | n/v | n/v | - | 31.7 | - | 24.4 | - | 16.7 | 39.4 | 24.7 | 37.6 | 23.9 | 25.5 | 22.6 |
| Temperature, Field | deg C | n/v | n/v | n/v | -0.1 | 0.2 | -0.1 | -0.1 | -0.1 | -0.1 | 0 | 3.9 | 13.4 | 3.87 | 0 | 0 |
| Total Dissolved Solids, Field | mg/L | n/v | n/v | n/v | 1.00 | 21.00 | 1.00 | 16.00 | 17.00 | 11.00 | 25.35 | 16.25 | 24.7 | 15.51 | 17 | 15 |
| Turbidity, Field | NTU | n/v | n/v | n/v | 0.72 | 0.83 | 5.55 | 2.37 | 0.59 | 3.37 | - | 1.93 | - | - | 3.18 | 0 |
| **General Chemistry** | | | | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | n/v | n/v | n/v | <2.0 | 2.7 | <2.0 | <2.0 | <2.0 | 2.4 | 2.6 | <2.0 | 2.2 | 2.1 | <2.0 | 2.1 |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | n/v | n/v | n/v | 10.3 | 9.5 | 9.9 | 9.4 | 10.5 | 10.0 | 9.8 | 10.2 | 8.6 | 9.2 | 10.1 | 11.0 |
| Alkalinity, Carbonate (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Phenolphthalein | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Total (as CaCO3) | mg/L | n/v | n/v | n/v | 10.3 | 9.5 | 9.9 | 9.4 | 10.5 | 10.0 | 9.8 | 10.2 | 8.6 | 9.2 | 10.1 | 11.0 |
| Ammonia (as N) | mg/L | $\text{Equation*}_{TBC}^{BC}$ | $0.0173/190_{TBC2}^{E}$ | n/v | 0.0478 | 0.0297 | 0.0529 | 0.0281 | 0.0393 | 0.0300 | 0.0121 | 0.0138 | <0.0050 | 0.0164 | 0.0227 | 0.0457 |
| **MSOG Ammonia Guideline (Chronic)** | | | | | 5.84 | 2.61 | 6.12 | 3.26 | 6.36 | 3.26 | 6.60 | 5.56 | 6.40 | 6.19 | 5.93 | 5.86 |
| **CCME Ammonia Guideline (Chronic)** | | | | | 19.00 | 1.92 | 19.00 | 1.92 | 19.00 | 1.92 | 60.04 | 3.98 | 5.74 | 12.58 | 19.00 | 19.00 |
| Bromide | mg/L | n/v | n/v | n/v | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| Chloride | mg/L | n/v | $640^{D}$ $120^{E}$ | n/v | <0.50 | 0.58 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.57 | <0.50 |
| Cyanate | mg/L | n/v | n/v | n/v | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| Cyanide | mg/L | $0.022/0.0052_{s1}^{C}$ | $0.005^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0019 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Free) | mg/L | $0.022/0.0052_{s1}^{B}$ | $0.005^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0022 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Weak Acid Dissociable) | mg/L | n/v | $0.005^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0022 | <0.0010 | <0.0010 | <0.0010 |
| Dissolved Organic Carbon (DOC) | mg/L | n/v | n/v | n/v | 7.09 | 8.37 | 7.38 | 7.25 | 7.05 | 7.47 | 8.47 | 8.59 | 9.37 | 9.63 | 10 | 8.7 |
| Electrical Conductivity, Lab | µS/cm | n/v | n/v | n/v | 24.8 | 28.3 | 23.6 | 27.4 | 24.9 | 28.9 | 31.1 | 27.8 | 22.7 | 25.3 | 27.3 | 28.3 |
| Fluoride | mg/L | n/v | $0.12^{E}$ | n/v | 0.061 | 0.064 | 0.056 | 0.063 | 0.062 | 0.061 | 0.065 | 0.067 | 0.059 | 0.058 | 0.068 | 0.064 |
| Hardness (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | 9.42 | 9.83 | 11.0 |
| Hardness (as CaCO3), dissolved | mg/L | n/v | n/v | n/v | 9.32 | 10.2 | 9.44 | 10.2 | 9.47 | 10.1 | 10.1 | 10.9 | 8.42 | 9.08 | 10.2 | 10.0 |
| Nitrate (as N) | mg/L | $13^{C}$ | $124^{D}$ $3.0^{E}$ | n/v | 0.038 | 0.075 | 0.047 | 0.076 | 0.041 | 0.066 | 0.088 | 0.038 | <0.020 | <0.020 | 0.023 | 0.026 |
| Nitrate + Nitrite (as N) | mg/L | $10^{B}$ $10^{C}$ | n/v | n/v | 0.0380 | 0.0750 | 0.0470 | 0.0760 | 0.0410 | 0.0660 | 0.0880 | 0.0380 | <0.0224 | <0.022 | 0.0230 | 0.0260 |
| Nitrite (as N) | mg/L | $0.06^{C}$ | $0.06^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| pH, lab | S.U. | $6.5\text{-}9.0^{C}$ | $6.5\text{-}9.0^{E}$ | n/v | 6.82 | 6.70 | 6.81 | 6.77 | 6.77 | 6.82 | 7.09 | 7.06 | 7.09 | 7.03 | 7.03 | 6.96 |
| Phosphorus, Total | mg/L | $0.025^{A}$ | n/v | n/v | 0.0128 | 0.0222 | **$0.0411^{A}$** | 0.0125 | 0.0112 | 0.0096 | 0.0107 | 0.0176 | 0.0180 | 0.0152 | 0.0126 | 0.0129 |
| Phosphorus, Total (Dissolved) | mg/L | n/v | n/v | n/v | 0.0064 | - | 0.0072 | - | 0.0064 | - | 0.0053 | 0.0058 | 0.0048 | 0.0050 | 0.0051 | 0.0067 |
| Sulfate | mg/L | n/v | n/v | n/v | 1.05 | 1.13 | 1.12 | 1.08 | 1.04 | 1.04 | 1.20 | 1.19 | 0.88 | 1.11 | 1.13 | 1.21 |
| Thiocyanate | mg/L | n/v | n/v | n/v | <0.50 | <0.50 | <0.50 SFT | <0.50 | <0.50 | <0.50 | <0.50 SFT | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Total Dissolved Solids | mg/L | n/v | n/v | n/v | 31.2 | 25.2 | 24.9 | 28.9 | 30.2 | 29.0 | 25.6 | 28.0 | 22.6 | 13.8 | 16.9 | 19.4 |
| Total Kjeldahl Nitrogen | mg/L | n/v | n/v | n/v | 0.324 | 0.413 | 0.573 | 0.304 | 0.315 | 0.285 | 0.266 | 0.346 | 0.359 | 0.338 | 0.444 | 0.354 |
| Total Organic Carbon | mg/L | n/v | n/v | n/v | 8.30 | 8.48 | 8.47 | 7.30 | 7.77 | 7.44 | 7.98 | 7.64 | 8.24 | 8.84 | 9.21 | 10.2 |
| Total Suspended Solids | mg/L | $_{SN}^{BC}$ | $_{SN}^{E}$ | n/v | <1.0 | 2.8 | 12.4 | <1.0 | <1.0 | <1.0 | <1.0 | 2.0 | 2.0 | 1.2 | <1.0 | <1.0 |
| Turbidity, Lab | NTU | n/v | n/v | n/v | 0.80 | 1.41 | 2.18 | 0.83 | 0.54 | 0.74 | 1.17 | 1.48 | 1.18 | 1.32 | 1.01 | 0.72 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | MacLellan | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQM76-T50 | | AQM76-T75 | | AQM77-Surface | | | | | | | |
| Sample Date | | | | | 23-Jan-25 | 24-Feb-25 | 23-Jan-25 | 24-Feb-25 | 23-Jan-25 | 26-Feb-25 | 22-Mar-25 | 25-Apr-25 | 25-May-25 | 29-Oct-25 | 26-Nov-25 | 17-Dec-25 |
| Sample ID | | | | | AQM76-T50 | AQM76 - T50 | AQM76-T75 | AQM76 - T75 | AQM77 | AQM77 | AQM77 | AQM77 | AQM77 | AQM77 | AQM77 | AQM77 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2501015 | WP2502751 | WP2501015 | WP2502751 | WP2501015 | WP2502751 | WP2503946 | WP2505581 | WP2507527 | WP2519182 | WP2520648 | WP2521634 |
| Laboratory Sample ID | | | | | WP2501015-010 | WP2502751-001 | WP2501015-011 | WP2502751-002 | WP2501015-003 | WP2502751-014 | WP2503946-003 | WP2505581-006 | WP2507527-008 | WP2519182-006 | WP2520648-020 | WP2521634-016 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | |
| **Metals, Dissolved** | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | n/v | n/v | n/v | 0.0066 | 0.0057 | 0.0054 | 0.0058 | 0.0067 | 0.0053 | 0.0053 | 0.0058 | 0.0087 | 0.0125 | 0.0089 | 0.0086 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | 0.34/0.15$_{s2}^{BC}$ | n/v | n/v | 0.00011 | 0.00017 | 0.00012 | 0.00015 | 0.00016 | 0.00012 | 0.00016 | <0.00010 | 0.00012 | 0.00015 | 0.00014 | 0.00015 |
| Barium | mg/L | n/v | n/v | n/v | 0.00588 | 0.00634 | 0.00622 | 0.00648 | 0.00614 | 0.00636 | 0.00647 | 0.00654 | 0.00497 | 0.00544 | 0.00547 | 0.00582 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | n/v | n/v | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| **MSOG Cadmium Guideline (Chronic)** | | | | | 0.00005 | 0.00005 | 0.00005 | 0.00005 | 0.00005 | 0.00005 | 0.00005 | 0.00005 | 0.00004 | 0.00005 | 0.00005 | 0.00005 |
| **MSOG Cadmium Guideline (Acute)** | | | | | 0.00020 | 0.00022 | 0.00020 | 0.00022 | 0.00020 | 0.00022 | 0.00022 | 0.00023 | 0.00018 | 0.00020 | 0.00022 | 0.00023 |
| Calcium | mg/L | n/v | n/v | n/v | 2.58 | 2.81 | 2.63 | 2.84 | 2.63 | 2.79 | 2.72 | 2.97 | 2.30 | 2.54 | 2.85 | 2.74 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| **MSOG Chromium Guideline (Chronic)** | | | | | 0.00268 | 0.00281 | 0.00270 | 0.00281 | 0.00270 | 0.00279 | 0.00279 | 0.00290 | 0.00255 | 0.00270 | 0.00281 | 0.00292 |
| Cobalt | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00032 RRV | <0.00010 | <0.00010 |
| Copper | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s2}^{F}$ | 0.00083 | 0.00118 RRV | 0.00060 | 0.00119 RRV | 0.00028 | 0.00030 | 0.00045 | 0.00032 | 0.00037 | 0.00033 | 0.00026 | 0.00033 |
| **MSOG Copper Guideline (Chronic)** | | | | | 0.00118 | 0.00127 | 0.00119 | 0.00127 | 0.00120 | 0.00126 | 0.00126 | 0.00135 | 0.00108 | 0.00119 | 0.00127 | 0.00136 |
| **MSOG Copper Guideline (Acute)** | | | | | 0.0014 | 0.0016 | 0.0015 | 0.0016 | 0.0015 | 0.0015 | 0.0015 | 0.0017 | 0.0013 | 0.0015 | 0.0016 | 0.0017 |
| **FEQG Copper Guideline (Chronic)** | | | | | 0.0018 | 0.0075 | 0.0014 | 0.0058 | 0.0009 | 0.0060 | 0.0006 | 0.0028 | 0.0011 | 0.0017 | 0.0024 | 0.0022 |
| Iron | mg/L | n/v | n/v | n/v | 0.051 | 0.063 | 0.132 | 0.067 | 0.054 | 0.073 | 0.093 | 0.087 | 0.056 | 0.066 | 0.061 | 0.075 |
| Lead | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s3}^{F}$ | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| **MSOG Lead Guideline (Chronic)** | | | | | 0.00018 | 0.00020 | 0.00018 | 0.00020 | 0.00018 | 0.00019 | 0.00019 | 0.00021 | 0.00016 | 0.00018 | 0.00020 | 0.00021 |
| **MSOG Lead Guideline (Acute)** | | | | | 0.00453 | 0.00502 | 0.00459 | 0.00502 | 0.00461 | 0.00496 | 0.00496 | 0.00541 | 0.00403 | 0.00458 | 0.00502 | 0.00547 |
| **FEQG Lead Guideline (Chronic)** | | | | | 0.0068 | 0.0076 | 0.0070 | 0.0070 | 0.0068 | 0.0071 | 0.0076 | 0.0078 | 0.0077 | 0.0080 | 0.0083 | 0.0078 |
| Lithium | mg/L | n/v | n/v | n/v | 0.0013 | 0.0018 | 0.0013 | 0.0018 | 0.0013 | 0.0013 | <0.0010 | 0.0012 | 0.0016 | <0.0010 | 0.0016 | 0.0017 |
| Magnesium | mg/L | n/v | n/v | n/v | 0.698 | 0.774 | 0.699 | 0.752 | 0.706 | 0.753 | 0.802 | 0.851 | 0.649 | 0.664 | 0.760 | 0.768 |
| Manganese | mg/L | n/v | Equation*$_{EQ3,EQ4}^{DE}$ | n/v | 0.00300 | 0.00808 | 0.00474 | 0.00819 | 0.00479 | 0.00684 | 0.0117 | 0.0152 | 0.00687 | 0.00498 | 0.00326 | 0.00428 |
| **CCME Manganese Guideline (Chronic)** | | | | | 0.240 | 0.250 | 0.210 | 0.230 | 0.210 | 0.230 | 0.210 | 0.210 | 0.250 | 0.230 | 0.230 | 0.250 |
| **CCME Manganese Guideline (Acute)** | | | | | 0.829 | 0.897 | 0.838 | 0.897 | 0.840 | 0.889 | 0.889 | 0.951 | 0.758 | 0.836 | 0.897 | 0.958 |
| Mercury | mg/L | n/v | n/v | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | n/v | n/v | <0.000400 DLM | 0.000028 | 0.000049 | 0.000020 | <0.000020 | <0.000020 | - | - | - | - | 0.000023 | - |
| Molybdenum | mg/L | n/v | n/v | n/v | <0.000050 | 0.000058 | 0.000091 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Nickel | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00104 | <0.00050 | <0.00050 |
| **MSOG Nickel Guideline (Chronic)** | | | | | 0.007 | 0.008 | 0.007 | 0.008 | 0.007 | 0.007 | 0.007 | 0.008 | 0.006 | 0.007 | 0.008 | 0.008 |
| **MSOG Nickel Guideline (Acute)** | | | | | 0.063 | 0.068 | 0.064 | 0.068 | 0.064 | 0.067 | 0.067 | 0.072 | 0.058 | 0.063 | 0.068 | 0.072 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 0.588 | 0.628 | 0.592 | 0.595 | 0.595 | 0.586 | 0.608 | 0.660 | 0.493 | 0.623 | 0.648 | 0.650 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00116 | 0.00109 | 0.00104 | 0.00108 | 0.00127 | 0.00109 | 0.00106 | 0.00111 | 0.00088 | 0.00106 | 0.00115 | 0.00114 |
| Selenium | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | 0.000121 | <0.000050 | <0.000050 | 0.000056 | 0.000183 | <0.000050 | 0.000085 | <0.000050 | <0.000050 | <0.000050 |
| Silicon | mg/L | n/v | n/v | n/v | 3.53 | 3.75 | 3.39 | 3.84 | 3.43 | 3.70 | 3.97 | 3.70 | 2.56 | 2.43 | 2.64 | 2.62 |
| Silver | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 1.25 | 1.39 | 1.22 | 1.25 | 1.14 | 1.22 | 1.29 | 1.35 | 1.01 | 1.08 | 1.19 | 1.20 |
| Strontium | mg/L | n/v | n/v | 2.5$^{F}$ | 0.0122 | 0.0135 | 0.0122 | 0.0137 | 0.0119 | 0.0138 | 0.0142 | 0.0144 | 0.0103 | 0.0114 | 0.0120 | 0.0119 |
| Sulfur | mg/L | n/v | n/v | n/v | 0.68 | 0.51 | <0.50 | <0.50 | 0.79 | <0.50 | 0.51 | 0.79 | <0.50 | <0.50 | <0.50 | 0.77 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00012 | <0.00010 | <0.00010 | 0.00014 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | n/v | n/v | n/v | 0.000011 | 0.000014 | 0.000014 | 0.000011 | 0.000014 | 0.000013 | 0.000012 | 0.000010 | 0.000013 | 0.000015 | 0.000015 | 0.000015 |
| Vanadium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | Equation*$_{s5}^{BC}$ | Equation*$_{EQ1,EQ2}^{DE}$ | n/v | 0.0016 | 0.0014 | 0.0015 | 0.0022 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0012 | <0.0010 | 0.0015 |
| **MSOG Zinc Guideline (Chronic)** | | | | | 0.016 | 0.017 | 0.016 | 0.017 | 0.016 | 0.017 | 0.017 | 0.018 | 0.015 | 0.016 | 0.017 | 0.018 |
| **MSOG Zinc Guideline (Acute)** | | | | | 0.016 | 0.017 | 0.016 | 0.017 | 0.016 | 0.017 | 0.017 | 0.018 | 0.014 | 0.016 | 0.017 | 0.018 |
| **CCME Zinc Guideline (Chronic)** | | | | | 0.007 | 0.009 | 0.007 | 0.008 | 0.007 | 0.008 | 0.007 | 0.007 | 0.006 | 0.007 | 0.007 | 0.008 |
| **CCME Zinc Guideline (Acute)** | | | | | 0.017 | 0.020 | 0.018 | 0.019 | 0.018 | 0.019 | 0.019 | 0.021 | 0.017 | 0.019 | 0.020 | 0.021 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| Area | | | | | MacLellan | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQM76-T50 | | AQM76-T75 | | AQM77-Surface | | | | | | | |
| Sample Date | | | | | 23-Jan-25 | 24-Feb-25 | 23-Jan-25 | 24-Feb-25 | 23-Jan-25 | 26-Feb-25 | 22-Mar-25 | 25-Apr-25 | 25-May-25 | 29-Oct-25 | 26-Nov-25 | 17-Dec-25 |
| Sample ID | | | | | AQM76-T50 | AQM76 - T50 | AQM76-T75 | AQM76 - T75 | AQM77 | AQM77 | AQM77 | AQM77 | AQM77 | AQM77 | AQM77 | AQM77 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2501015 | WP2502751 | WP2501015 | WP2502751 | WP2501015 | WP2502751 | WP2503946 | WP2505581 | WP2507527 | WP2519182 | WP2520648 | WP2521634 |
| Laboratory Sample ID | | | | | WP2501015-010 | WP2502751-001 | WP2501015-011 | WP2502751-002 | WP2501015-003 | WP2502751-014 | WP2503946-003 | WP2505581-006 | WP2507527-008 | WP2519182-006 | WP2520648-020 | WP2521634-016 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | |
| **Metals, Total** | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | $0.005/0.1_{VAR}^{C}$ | $0.005/0.1_{VAR1}^{E}$ | Equation$*_{s1}^{F}$ | 0.0145 | 0.0518 | **0.177**$^{CE}$ | 0.0150 | 0.0130 | 0.0112 | 0.0122 | 0.0272 | 0.0311 | 0.0311 | 0.0166 | 0.0198 |
| FEQG Aluminum Guideline (Chronic) | | | | | 0.40 | 1.5 | 0.34 | 1.1 | 0.28 | 1.1 | 0.24 | 0.53 | 0.32 | 0.39 | 0.47 | 0.46 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | n/v | $0.005^{E}$ | n/v | 0.00014 | 0.00020 | 0.00019 | 0.00018 | 0.00014 | 0.00016 | 0.00013 | 0.00019 | 0.00014 | 0.00018 | 0.00015 | 0.00018 |
| Barium | mg/L | n/v | n/v | n/v | 0.00618 | 0.00786 | 0.0104 | 0.00664 | 0.00628 | 0.00661 | 0.00638 | 0.00692 | 0.00544 | 0.00579 | 0.00597 | 0.00674 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | $29/1.5_{s3}^{C}$ | $29^{D}$ $1.5^{E}$ | n/v | <0.010 | 0.011 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | n/v | $0.001_{STB}^{D}$ $0.00009_{LTG}^{E}$ | n/v | <0.0000050 | <0.0000050 | 0.0000071 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| CCME Cadmium Guideline (Chronic) | | | | | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 |
| CCME Cadmium Guideline (Acute) | | | | | 0.00019 | 0.00021 | 0.00019 | 0.00021 | 0.00019 | 0.00020 | 0.00020 | 0.00022 | 0.00017 | 0.00019 | 0.00021 | 0.00022 |
| Calcium | mg/L | n/v | n/v | n/v | 2.67 | 2.95 | 2.75 | 2.70 | 2.62 | 2.90 | 2.89 | 2.82 | 2.35 | 2.59 | 2.72 | 3.02 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | 0.000030 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | 0.00053 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 RRV | <0.00050 | 0.00109 | <0.00050 | <0.00050 |
| Chromium (Hexavalent) | mg/L | n/v | $0.001^{E}$ | $0.005^{F}$ | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | **0.00146**$^{E}$ | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Cobalt | mg/L | n/v | n/v | Equation$*_{s4}^{F}$ | <0.00010 | <0.00010 | 0.00022 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| FEQG Cobalt Guideline (Chronic) | | | | | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 |
| Copper | mg/L | n/v | Equation$*_{EQ6}^{E}$ | n/v | 0.00074 | <0.00050 | **0.00201**$^{E}$ | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| CWQG Copper Guideline (Chronic) | | | | | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| Iron | mg/L | $0.3^{C}$ | $0.3^{E}$ | Equation$*_{s5}^{F}$ | 0.111 | **0.336**$^{CE}$ | **0.797**$^{CEF}$ | 0.140 | 0.098 | 0.136 | 0.170 | 0.254 | 0.187 | 0.208 | 0.132 | 0.140 |
| FEQG Iron Guideline (Chronic) | | | | | 0.61 | 0.64 | 0.61 | 0.61 | 0.60 | 0.61 | 0.64 | 0.69 | 0.71 | 0.73 | 0.76 | 0.69 |
| Lead | mg/L | n/v | Equation$*_{EQ5}^{E}$ | n/v | <0.000050 | <0.000050 | 0.000248 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| CWQG Lead Guideline (Chronic) | | | | | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Lithium | mg/L | n/v | n/v | n/v | 0.0014 | 0.0012 | 0.0018 | 0.0012 | 0.0013 | 0.0014 | <0.0010 | 0.0016 | 0.0014 | <0.0010 | 0.0010 | 0.0022 |
| Magnesium | mg/L | n/v | n/v | n/v | 0.767 | 0.851 | 0.816 | 0.780 | 0.715 | 0.781 | 0.787 | 0.778 | 0.680 | 0.718 | 0.737 | 0.834 |
| Manganese | mg/L | n/v | n/v | n/v | 0.00695 | 0.0320 | 0.0938 | 0.0124 | 0.00724 | 0.00978 | 0.0140 | 0.0194 | 0.0180 | 0.0122 | 0.00795 | 0.00864 |
| Mercury | mg/L | $0.000026^{C}$ | $0.000026^{E}$ | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | $0.004^{E}$ | n/v | 0.000022 | 0.000024 | 0.000049 | <0.000020 | <0.000020 | <0.000020 | - | - | - | - | 0.000024 | - |
| Molybdenum | mg/L | $0.073^{C}$ | $0.073^{E}$ | n/v | 0.000076 | <0.000050 | 0.000077 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000198 | <0.000050 | <0.000050 |
| Nickel | mg/L | n/v | Equation$*_{EQ7}^{E}$ | n/v | <0.00050 | <0.00050 | 0.00076 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00089 | <0.00050 | <0.00050 |
| CWQG Nickel Guideline (Chronic) | | | | | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 0.610 | 0.694 | 0.680 | 0.644 | 0.611 | 0.618 | 0.561 | 0.616 | 0.552 | 0.621 | 0.615 | 0.663 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00129 | 0.00126 | 0.00191 | 0.00114 | 0.00117 | 0.00111 | 0.00114 | 0.00113 | 0.00102 | 0.00114 | 0.00113 | 0.00126 |
| Selenium | mg/L | $0.001^{C}$ | $0.001^{E}$ | n/v | <0.000050 | 0.000066 | <0.000050 | 0.000065 | <0.000050 | <0.000050 | <0.000050 DTSE | 0.000084 | <0.000050 | 0.000054 | <0.000050 | 0.000068 |
| Silicon | mg/L | n/v | n/v | n/v | 3.77 | 3.88 | 4.12 | 3.68 | 3.40 | 3.66 | 3.92 | 3.60 | 2.75 | 2.59 | 2.59 | 3.02 |
| Silver | mg/L | $0.0001^{C}$ | $0.00025^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 2.90 | 1.34 | 2.38 | 1.30 | 1.21 | 1.22 | 1.23 | 1.17 | 1.05 | 1.10 | 1.16 | 1.28 |
| Strontium | mg/L | n/v | n/v | n/v | 0.0129 | 0.0145 | 0.0135 | 0.0132 | 0.0122 | 0.0133 | 0.0145 | 0.0134 | 0.0112 | 0.0120 | 0.0127 | 0.0136 |
| Sulfur | mg/L | n/v | n/v | n/v | <0.50 | 0.57 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | $0.0008^{C}$ | $0.0008^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | 0.00060 | 0.00264 | 0.0106 | 0.00053 | <0.00030 | 0.00031 | 0.00032 | 0.00095 | 0.00126 | 0.00104 | 0.00046 | 0.00045 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | $0.033/0.015_{s4}^{C}$ | $0.033^{D}$ $0.015^{E}$ | n/v | 0.000018 | 0.000024 | 0.000050 | 0.000017 | 0.000016 | 0.000014 | 0.000015 | 0.000017 | 0.000015 | 0.000020 | 0.000020 | 0.000018 |
| Vanadium | mg/L | n/v | n/v | $0.12^{F}$ | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | n/v | n/v | n/v | 0.0046 | <0.0030 | 0.0034 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| Area | | | | | MacLellan | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQM78-Surface | | | | | | | | AQM91-Surface | | | | | | |
| Sample Date | | | | | 23-Jan-25 | 28-Feb-25 | 21-Mar-25 | 25-Apr-25 | 24-May-25 | 24-Oct-25 | 25-Nov-25 | 14-Dec-25 | 28-Feb-25 | 21-Mar-25 | 25-Apr-25 | 24-May-25 | 24-Oct-25 | 25-Nov-25 | 14-Dec-25 |
| Sample ID | | | | | AQM78 | AQM78 | AQM78 | AQM78 | AQM78 | AQM78 | AQM78 | AQM78 | AQM91 | AQM91-Surface | AQM91 - Surface | AQM91-surface | AQM91-surface | AQM91-surface | AQM91-Surface |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2501015 | WP2502936 | WP2503946 | WP2505581 | WP2507298 | WP2518837 | WP2520648 | WP2521492 | WP2502936 | WP2503946 | WP2505581 | WP2507298 | WP2518837 | WP2520648 | WP2521492 |
| Laboratory Sample ID | | | | | WP2501015-005 | WP2502936-008 | WP2503946-013 | WP2505581-009 | WP2507298-026 | WP2518837-025 | WP2520648-003 | WP2521492-013 | WP2502936-009 | WP2503946-011 | WP2505581-010 | WP2507298-027 | WP2518837-026 | WP2520648-001 | WP2521492-011 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | | |
| **Field Parameters** | | | | | | | | | | | | | | | | | | | |
| Dissolved Oxygen, Field | mg/L | $>6.0^{BC}$ | $>6.5_{VAR}^{E}$ | n/v | 13.91 | 12.38 | 9.95 | 8.36 | 11.23 | 12.42 | 14.21 | 9.96 | 13.02 | 11.37 | 12.07 | 11.85 | 12.44 | 12.38 | 14.97 |
| Electrical Conductivity, Field | mS/cm | n/v | n/v | n/v | 19.3 | 2.1 | 104 | 20.5 | 48.4 | 53.3 | 25.3 | 121.4 | 10.4 | 114.4 | 14.3 | 49.6 | 53 | 22.9 | 24.1 |
| Oxidation Reduction Potential, field | mV | n/v | n/v | n/v | 88 | 175.2 | 101.3 | 169.8 | 138.8 | 144.2 | 146.8 | 206.6 | 74.4 | 74.7 | 125.5 | 116.1 | 156.7 | 213.7 | 102 |
| pH, Field | S.U. | $6.5-9.0^{C}$ | $6.5-9.0^{E}$ | n/v | 7.62 | 7.2 | 6.68 | **$5.94^{CE}$** | 6.84 | 7.04 | 7.3 | 6.74 | 7.07 | 6.75 | 6.86 | 7.08 | 7.18 | 6.95 | 7.21 |
| Specific Conductance, Field | µS/cm | n/v | n/v | n/v | - | 3.9 | 196.4 | 38.2 | 62.7 | 87.2 | 45.5 | 232.4 | 19.3 | 217.2 | 26.7 | 62.7 | 87 | 43.2 | 45.8 |
| Temperature, Field | deg C | n/v | n/v | n/v | 0.3 | -0.1 | 0.2 | 0.7 | 12.9 | 4.647 | 1.67 | 0 | 0.6 | 0.3 | 0.6 | 14.1 | 4.525 | 0.411 | 0.176 |
| Total Dissolved Solids, Field | mg/L | n/v | n/v | n/v | 85.00 | 3.00 | 128.05 | 24.7 | 40.3 | - | 29.53 | 151 | 13.00 | - | 16.25 | 40.95 | 57 | 28 | 30 |
| Turbidity, Field | NTU | n/v | n/v | n/v | 1.42 | 3.62 | 1.92 | 1.29 | - | - | 0 | 8.31 | 2.98 | 0.55 | 1.02 | - | - | 0 | 0 |
| **General Chemistry** | | | | | | | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | n/v | n/v | n/v | <2.0 | 4.9 | 4.5 | 15.8 | 2.5 | <2.0 | <2.0 | 3.1 | 4.7 | 4.1 | 2.5 | 2.3 | <2.0 | 3.6 | <2.0 |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | n/v | n/v | n/v | 20.8 | 20.3 | 21.6 | 12.8 | 16.9 | 16.6 | 18.2 | 21.9 | 20.7 | 21.7 | 4.8 | 16.6 | 15.8 | 18.3 | 19.5 |
| Alkalinity, Carbonate (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Phenolphthalein | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Total (as CaCO3) | mg/L | n/v | n/v | n/v | 20.8 | 20.3 | 21.6 | 12.8 | 16.9 | 16.6 | 18.2 | 21.9 | 20.7 | 21.7 | 4.8 | 16.6 | 15.8 | 18.3 | 19.5 |
| Ammonia (as N) | mg/L | Equation*$_{TBC}^{BC}$ | $0.0173/190_{TBC2}^{E}$ | n/v | 0.0406 | 0.0287 | 0.0634 | 0.0215 | 0.0052 | 0.0152 | 0.0202 | 0.0371 | 0.0296 | 0.0265 | 0.0380 | <0.0050 | 0.0070 | 0.0488 | 0.0343 |
| **MSOG Ammonia Guideline (Chronic)** | | | | | 3.90 | 5.39 | 6.47 | 6.67 | 6.23 | 5.82 | 5.08 | 6.39 | 5.74 | 6.37 | 6.19 | 5.72 | 5.45 | 6.02 | 5.36 |
| **CCME Ammonia Guideline (Chronic)** | | | | | 1.92 | 6.02 | 19.00 | 189.97 | 5.74 | 6.02 | 3.98 | 19.00 | 19.00 | 19.00 | 19.00 | 5.74 | 3.98 | 19.00 | 6.02 |
| Bromide | mg/L | n/v | n/v | n/v | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| Chloride | mg/L | n/v | $640^{D}$ $120^{E}$ | n/v | 0.66 | <0.50 | <0.50 | 0.53 | <0.50 | <0.50 | <0.50 | 0.58 | <0.50 | <0.50 | <0.50 | <0.50 | 1.17 | <0.50 | <0.50 |
| Cyanate | mg/L | n/v | n/v | n/v | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| Cyanide | mg/L | $0.022/0.0052_{s1}^{C}$ | $0.005^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Free) | mg/L | $0.022/0.0052_{s1}^{B}$ | $0.005^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Weak Acid Dissociable) | mg/L | n/v | $0.005^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0016 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0015 | <0.0010 |
| Dissolved Organic Carbon (DOC) | mg/L | n/v | n/v | n/v | 13.7 | 14 | 14.2 | 20.1 | 14.7 | 13.9 | 14.9 | 16.1 | 14.2 | 15.5 | 4.31 | 13.8 | 14 | 13.2 | 14.6 |
| Electrical Conductivity, Lab | µS/cm | n/v | n/v | n/v | 43.6 | 46.9 | 53.2 | 35.2 | 39.0 | 40.7 | 46.8 | 52.4 | 48.6 | 54.1 | 12.6 | 39.6 | 43.8 | 44.9 | 47.5 |
| Fluoride | mg/L | n/v | $0.12^{E}$ | n/v | 0.058 | 0.055 | 0.060 | 0.034 | 0.049 | 0.043 | 0.060 | 0.064 | 0.056 | 0.061 | <0.020 | 0.049 | 0.043 | 0.057 | 0.062 |
| Hardness (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | - | - | 17.9 | 20.8 | 24.3 | - | - | - | - | 19.7 | 19.8 | 21.9 |
| Hardness (as CaCO3), dissolved | mg/L | n/v | n/v | n/v | 20.5 | 20.5 | 17.8 | 17.1 | 17.1 | 17.6 | 20.9 | 23.8 | 68.3 | 18.9 | 5.18 | 16.9 | 18.9 | 19.9 | 21.7 |
| Nitrate (as N) | mg/L | $13^{C}$ | $124^{D}$ $3.0^{E}$ | n/v | <0.020 | 0.029 | 0.044 | <0.020 | <0.020 | 0.039 | 0.061 | 0.112 | 0.036 | 0.061 | 0.049 | <0.020 | 0.064 | 0.061 | 0.077 |
| Nitrate + Nitrite (as N) | mg/L | $10^{B}$ $10^{C}$ | n/v | n/v | <0.0224 | 0.0290 | 0.0440 | <0.0224 | <0.0224 | 0.0390 | 0.0610 | 0.112 | 0.0360 | 0.0610 | 0.0490 | <0.0224 | 0.0640 | 0.0610 | 0.0770 |
| Nitrite (as N) | mg/L | $0.06^{C}$ | $0.06^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| pH, lab | S.U. | $6.5-9.0^{C}$ | $6.5-9.0^{E}$ | n/v | 7.17 | 7.15 | 7.40 | **$6.37^{CE}$** | 7.40 | 7.25 | 7.26 | 7.25 | 7.17 | 7.46 | 6.78 | 7.45 | 7.25 | 7.24 | 7.15 |
| Phosphorus, Total | mg/L | $0.025^{A}$ | n/v | n/v | 0.0100 | 0.0099 | 0.0109 | **$0.0390^{A}$** | 0.0147 | 0.0134 | **$0.0256^{A}$** | 0.0145 | 0.0105 | 0.0104 | 0.0032 | 0.0132 | 0.0154 | 0.0140 | 0.0143 |
| Phosphorus, Total (Dissolved) | mg/L | n/v | n/v | n/v | 0.0084 | 0.0077 | 0.0090 | 0.0239 | 0.0067 | 0.0081 | 0.0092 | 0.0107 | 0.0080 | 0.0088 | 0.0030 | 0.0067 | 0.0081 | 0.0089 | 0.0102 |
| Sulfate | mg/L | n/v | n/v | n/v | 0.31 | <0.30 | <0.30 | <0.30 | <0.30 | <0.30 | <0.30 | <0.30 | <0.30 | 0.32 | <0.30 | 0.30 | 0.74 | <0.30 | <0.30 |
| Thiocyanate | mg/L | n/v | n/v | n/v | 0.56 SFT | <0.50 SFT | 0.56 SFT | 0.79 | 0.51 | 0.53 | 0.52 | 0.52 | <0.50 SFT | 0.60 SFT | <0.50 | <0.50 | 0.54 | <0.50 | 0.53 |
| Total Dissolved Solids | mg/L | n/v | n/v | n/v | 39.6 | 38.3 | 36.5 | 57.7 | 40.5 | 29.6 | 46.5 | 38.3 | 40.0 | 33.8 | <3.0 | 35.9 | 26.7 | 35.8 | 40.7 |
| Total Kjeldahl Nitrogen | mg/L | n/v | n/v | n/v | 0.468 | 0.417 | 0.453 | 0.621 | 0.422 | 0.456 | 0.853 | 0.541 | 0.450 | 0.482 | 0.213 | 0.367 | 0.443 | 0.541 | 0.485 |
| Total Organic Carbon | mg/L | n/v | n/v | n/v | 14.6 | 15.0 | 14.7 | 21.4 | 13.5 | 14.4 | 16.3 | 16.6 | 14.8 | 15.3 | 3.93 | 13.4 | 14.1 | 14.7 | 15.1 |
| Total Suspended Solids | mg/L | $_{SN}^{BC}$ | $_{SN}^{E}$ | n/v | <1.0 | <1.0 | <1.0 | 3.1 | 2.2 | 1.1 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Turbidity, Lab | NTU | n/v | n/v | n/v | 0.29 | 0.18 | 0.41 | 2.13 | 1.22 | 1.36 | 0.69 | 0.63 | 0.14 | 0.15 | 1.08 | 0.99 | 1.38 | 0.63 | 0.52 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| Area | | | | | MacLellan | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQM78-Surface | | | | | | | | AQM91-Surface | | | | | | |
| Sample Date | | | | | 23-Jan-25 | 28-Feb-25 | 21-Mar-25 | 25-Apr-25 | 24-May-25 | 24-Oct-25 | 25-Nov-25 | 14-Dec-25 | 28-Feb-25 | 21-Mar-25 | 25-Apr-25 | 24-May-25 | 24-Oct-25 | 25-Nov-25 | 14-Dec-25 |
| Sample ID | | | | | AQM78 | AQM78 | AQM78 | AQM78 | AQM78 | AQM78 | AQM78 | AQM78 | AQM91 | AQM91-Surface | AQM91 - Surface | AQM91-surface | AQM91-surface | AQM91-surface | AQM91-Surface |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2501015 | WP2502936 | WP2503946 | WP2505581 | WP2507298 | WP2518837 | WP2520648 | WP2521492 | WP2502936 | WP2503946 | WP2505581 | WP2507298 | WP2518837 | WP2520648 | WP2521492 |
| Laboratory Sample ID | | | | | WP2501015-005 | WP2502936-008 | WP2503946-013 | WP2505581-009 | WP2507298-026 | WP2518837-025 | WP2520648-003 | WP2521492-013 | WP2502936-009 | WP2503946-011 | WP2505581-010 | WP2507298-027 | WP2518837-026 | WP2520648-001 | WP2521492-011 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | | |
| **Metals, Dissolved** | | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | n/v | n/v | n/v | 0.0249 | 0.0240 | 0.0229 | 0.0620 | 0.0301 | 0.0327 | 0.0412 | 0.0422 | 0.0274 | 0.0366 | 0.0021 | 0.0293 | 0.0319 | 0.0392 | 0.0384 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | 0.34/0.15$_{s2}^{BC}$ | n/v | n/v | 0.00028 | 0.00027 | 0.00024 | 0.00013 | 0.00022 | 0.00026 | 0.00028 | 0.00034 | 0.00032 | 0.00027 | <0.00010 | 0.00027 | 0.00026 | 0.00029 | 0.00029 |
| Barium | mg/L | n/v | n/v | n/v | 0.00680 | 0.00694 | 0.00701 | 0.00712 | 0.00566 | 0.00657 | 0.00706 | 0.00862 | 0.00752 | 0.00639 | 0.00209 | 0.00564 | 0.00667 | 0.00675 | 0.00759 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | n/v | n/v | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000081 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000061 | 0.0000244 RRV | 0.0000074 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| **MSOG Cadmium Guideline (Chronic)** | | | | | 0.00008 | 0.00008 | 0.00007 | 0.00007 | 0.00007 | 0.00007 | 0.00008 | 0.00009 | 0.00019 | 0.00008 | 0.00003 | 0.00007 | 0.00008 | 0.00008 | 0.00009 |
| **MSOG Cadmium Guideline (Acute)** | | | | | 0.00043 | 0.00043 | 0.00037 | 0.00036 | 0.00036 | 0.00038 | 0.00044 | 0.00051 | 0.00139 | 0.00040 | 0.00011 | 0.00036 | 0.00041 | 0.00042 | 0.00046 |
| Calcium | mg/L | n/v | n/v | n/v | 5.64 | 5.51 | 4.76 | 4.59 | 4.67 | 4.77 | 5.68 | 6.31 | 24.2 RRV | 5.13 | 1.40 | 4.56 | 5.32 | 5.42 | 5.88 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| **MSOG Chromium Guideline (Chronic)** | | | | | 0.00399 | 0.00399 | 0.00372 | 0.00364 | 0.00364 | 0.00373 | 0.00403 | 0.00435 | 0.00730 | 0.00383 | 0.00199 | 0.00362 | 0.00391 | 0.00393 | 0.00413 |
| Cobalt | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | 0.00027 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Copper | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s2}^{F}$ | 0.00098 | 0.00162 | 0.00037 | 0.00056 | 0.00046 | 0.00038 | 0.00037 | 0.00065 | 0.00213 RRV | 0.00036 | 0.00026 | 0.00036 | 0.00051 | 0.00048 | 0.00039 |
| **MSOG Copper Guideline (Chronic)** | | | | | 0.00231 | 0.00231 | 0.00205 | 0.00198 | 0.00198 | 0.00206 | 0.00235 | 0.00267 | 0.00647 | 0.00216 | 0.00071 | 0.00196 | 0.00223 | 0.00225 | 0.00245 |
| **MSOG Copper Guideline (Acute)** | | | | | 0.0030 | 0.0030 | 0.0026 | 0.0025 | 0.0025 | 0.0027 | 0.0031 | 0.0035 | 0.0094 | 0.0028 | 0.0008 | 0.0025 | 0.0029 | 0.0029 | 0.0032 |
| **FEQG Copper Guideline (Chronic)** | | | | | 0.0105 | 0.0058 | 0.0017 | 0.0006 | 0.0027 | 0.0041 | 0.0074 | 0.0025 | 0.0068 | 0.0023 | 0.0007 | 0.0044 | 0.0055 | 0.0033 | 0.0063 |
| Iron | mg/L | n/v | n/v | n/v | 0.084 | 0.092 | 0.226 | 0.578 | 0.464 | 0.159 | 0.209 | 0.229 | 0.098 | 0.080 | 0.021 | 0.424 | 0.166 | 0.206 | 0.194 |
| Lead | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s3}^{F}$ | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000122 RRV | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| **MSOG Lead Guideline (Chronic)** | | | | | 0.00043 | 0.00043 | 0.00037 | 0.00035 | 0.00035 | 0.00037 | 0.00044 | 0.00052 | 0.00166 | 0.00039 | 0.00009 | 0.00035 | 0.00041 | 0.00042 | 0.00047 |
| **MSOG Lead Guideline (Acute)** | | | | | 0.01110 | 0.01110 | 0.00946 | 0.00904 | 0.00904 | 0.00952 | 0.01134 | 0.01345 | 0.04254 | 0.01012 | 0.00230 | 0.00892 | 0.01061 | 0.01073 | 0.01196 |
| **FEQG Lead Guideline (Chronic)** | | | | | 0.0113 | 0.0115 | 0.0112 | 0.0133 | 0.0113 | 0.0111 | 0.0119 | 0.0128 | 0.0149 | 0.0119 | 0.0047 | 0.0109 | 0.0114 | 0.0110 | 0.0119 |
| Lithium | mg/L | n/v | n/v | n/v | 0.0013 | 0.0011 | <0.0010 | <0.0010 | <0.0010 | 0.0013 | 0.0018 | 0.0010 | 0.0011 | <0.0010 | <0.0010 | <0.0010 | 0.0012 | 0.0020 | <0.0010 |
| Magnesium | mg/L | n/v | n/v | n/v | 1.55 | 1.63 | 1.43 | 1.36 | 1.32 | 1.37 | 1.64 | 1.95 | 1.91 | 1.49 | 0.409 | 1.35 | 1.37 | 1.55 | 1.71 |
| Manganese | mg/L | n/v | Equation*$_{EQ3,EQ4}^{DE}$ | n/v | 0.00278 | 0.00352 | 0.0205 | 0.115 | 0.0277 | 0.00612 | 0.00752 | 0.00707 | 0.00736 RRV | 0.00831 | 0.00236 | 0.0352 | 0.00614 | 0.00620 | 0.00547 |
| **CCME Manganese Guideline (Chronic)** | | | | | 0.250 | 0.240 | 0.260 | 0.230 | 0.190 | 0.230 | 0.250 | 0.260 | 0.490 | 0.250 | 0.230 | 0.230 | 0.250 | 0.260 | 0.250 |
| **CCME Manganese Guideline (Acute)** | | | | | 1.656 | 1.656 | 1.463 | 1.412 | 1.412 | 1.470 | 1.684 | 1.922 | 4.763 | 1.542 | 0.495 | 1.397 | 1.599 | 1.613 | 1.754 |
| Mercury | mg/L | n/v | n/v | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | n/v | n/v | 0.000052 | 0.000035 | 0.000102 | 0.000123 | 0.000066 | 0.000055 | 0.000058 | 0.000058 | 0.000050 | <0.000160 DLM | 0.000054 | 0.000065 | - | - | - |
| Molybdenum | mg/L | n/v | n/v | n/v | 0.000094 | 0.000062 | 0.000069 | 0.000088 | 0.000060 | 0.000061 | 0.000080 | 0.000096 | 0.000210 RRV | 0.000058 | <0.000050 | 0.000069 | 0.000063 | 0.000079 | 0.000071 |
| Nickel | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | 0.00053 | <0.00050 | <0.00050 | <0.00050 | 0.00054 | 0.00093 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00050 | <0.00050 |
| **MSOG Nickel Guideline (Chronic)** | | | | | 0.014 | 0.014 | 0.012 | 0.012 | 0.012 | 0.012 | 0.014 | 0.016 | 0.038 | 0.013 | 0.004 | 0.012 | 0.013 | 0.013 | 0.014 |
| **MSOG Nickel Guideline (Acute)** | | | | | 0.123 | 0.123 | 0.109 | 0.105 | 0.105 | 0.109 | 0.125 | 0.141 | 0.339 | 0.114 | 0.038 | 0.104 | 0.118 | 0.119 | 0.130 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.063 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 0.723 | 0.724 | 0.629 | 1.32 | 0.619 | 0.628 | 0.769 | 0.895 | 0.833 | 0.674 | 0.170 | 0.620 | 0.633 | 0.723 | 0.780 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00103 | 0.00102 | 0.00077 | 0.00175 | 0.00088 | 0.00086 | 0.00100 | 0.00114 | 0.00114 | 0.00088 | 0.00020 | 0.00083 | 0.00079 | 0.00096 | 0.00102 |
| Selenium | mg/L | n/v | n/v | n/v | <0.000050 | 0.000056 | <0.000050 | 0.000055 | 0.000060 | <0.000050 | 0.000064 | <0.000050 | 0.000076 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000057 | 0.000057 |
| Silicon | mg/L | n/v | n/v | n/v | 0.985 | 1.02 | 1.02 | 4.02 | 1.08 | 0.939 | 1.19 | 1.36 | 1.10 | 0.963 | 0.116 | 1.11 | 0.910 | 1.19 | 1.21 |
| Silver | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 1.62 | 1.58 | 1.54 | 1.49 | 1.21 | 1.38 | 1.65 | 1.99 | 4.62 RRV | 1.70 | 0.560 | 1.27 | 1.42 | 1.57 | 1.77 |
| Strontium | mg/L | n/v | n/v | 2.5$^{F}$ | 0.0147 | 0.0146 | 0.0146 | 0.0106 | 0.0125 | 0.0134 | 0.0151 | 0.0174 | 0.0234 RRV | 0.0148 | 0.00359 | 0.0129 | 0.0134 | 0.0146 | 0.0159 |
| Sulfur | mg/L | n/v | n/v | n/v | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.03 RRV | <0.50 | <0.50 | 0.59 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00011 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Titanium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | 0.00032 | 0.00047 | 0.00047 | 0.00053 | 0.00057 | 0.00033 | <0.00030 | <0.00030 | 0.00043 | 0.00049 | 0.00050 | 0.00045 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | n/v | n/v | n/v | 0.000012 | 0.000010 | 0.000010 | 0.000014 | 0.000011 | <0.000010 | 0.000013 | 0.000014 | 0.000012 | 0.000014 | <0.000010 | <0.000010 | 0.000010 | 0.000011 | 0.000015 |
| Vanadium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | Equation*$_{s5}^{BC}$ | Equation*$_{EQ1,EQ2}^{DE}$ | n/v | 0.0030 | 0.0048 DLM | <0.0010 | 0.0044 | 0.0015 | 0.0031 | <0.0010 | 0.0090 RRV | **0.154 DTC$^{BCDE}$** | <0.0010 | 0.0012 | 0.0025 | **0.0441 RRV$^{BCDE}$** | <0.0010 | <0.0010 |
| **MSOG Zinc Guideline (Chronic)** | | | | | 0.031 | 0.031 | 0.027 | 0.026 | 0.026 | 0.028 | 0.031 | 0.036 | 0.086 | 0.029 | 0.010 | 0.026 | 0.030 | 0.030 | 0.033 |
| **MSOG Zinc Guideline (Acute)** | | | | | 0.031 | 0.031 | 0.027 | 0.026 | 0.026 | 0.027 | 0.031 | 0.035 | 0.085 | 0.029 | 0.010 | 0.026 | 0.030 | 0.030 | 0.032 |
| **CCME Zinc Guideline (Chronic)** | | | | | 0.015 | 0.015 | 0.011 | 0.028 | 0.011 | 0.012 | 0.014 | 0.017 | 0.046 | 0.011 | 0.003 | 0.010 | 0.013 | 0.013 | 0.016 |
| **CCME Zinc Guideline (Acute)** | | | | | 0.039 | 0.039 | 0.035 | 0.037 | 0.034 | 0.035 | 0.041 | 0.047 | 0.108 | 0.038 | 0.009 | 0.033 | 0.038 | 0.038 | 0.042 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | 0.00146 RRV | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | MacLellan | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQM78-Surface | | | | | | | | AQM91-Surface | | | | | | |
| Sample Date | | | | | 23-Jan-25 | 28-Feb-25 | 21-Mar-25 | 25-Apr-25 | 24-May-25 | 24-Oct-25 | 25-Nov-25 | 14-Dec-25 | 28-Feb-25 | 21-Mar-25 | 25-Apr-25 | 24-May-25 | 24-Oct-25 | 25-Nov-25 | 14-Dec-25 |
| Sample ID | | | | | AQM78 | AQM78 | AQM78 | AQM78 | AQM78 | AQM78 | AQM78 | AQM78 | AQM91 | AQM91-Surface | AQM91 - Surface | AQM91-surface | AQM91-surface | AQM91-surface | AQM91-Surface |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | WP2501015 | WP2502936 | WP2503946 | WP2505581 | WP2507298 | WP2518837 | WP2520648 | WP2521492 | WP2502936 | WP2503946 | WP2505581 | WP2507298 | WP2518837 | WP2520648 | WP2521492 |
| Laboratory Sample ID | | | | | WP2501015-005 | WP2502936-008 | WP2503946-013 | WP2505581-009 | WP2507298-026 | WP2518837-025 | WP2520648-003 | WP2521492-013 | WP2502936-009 | WP2503946-011 | WP2505581-010 | WP2507298-027 | WP2518837-026 | WP2520648-001 | WP2521492-011 |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | | |
| **Metals, Total** | | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | $0.005/0.1_{VAR}^{C}$ | $0.005/0.1_{VAR1}^{E}$ | Equation$*_{s1}^{F}$ | 0.0263 | 0.0314 | 0.0309 | **0.106$^{CE}$** | 0.0421 | 0.0468 | 0.0483 | 0.0537 | 0.0287 | 0.0296 | 0.0192 | 0.0428 | 0.0454 | 0.0438 | 0.0475 |
| **FEQG Aluminum Guideline (Chronic)** | | | | | 1.3 | 0.83 | 0.44 | 0.19 | 0.52 | 0.67 | 0.93 | 0.52 | 0.96 | 0.48 | 0.23 | 0.69 | 0.80 | 0.62 | 0.85 |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | n/v | $0.005^{E}$ | n/v | 0.00023 | 0.00032 | 0.00031 | 0.00029 | 0.00027 | 0.00030 | 0.00032 | 0.00037 | 0.00033 | 0.00029 | 0.00012 | 0.00029 | 0.00033 | 0.00033 | 0.00030 |
| Barium | mg/L | n/v | n/v | n/v | 0.00676 | 0.00746 | 0.00837 | 0.00803 | 0.00627 | 0.00687 | 0.00763 | 0.00864 | 0.00731 | 0.00752 | 0.00218 | 0.00667 | 0.00692 | 0.00707 | 0.00773 |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | $29/1.5_{s3}^{C}$ | $29^{D}$ $1.5^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | 0.012 | <0.010 |
| Cadmium | mg/L | n/v | $0.001_{STB}^{D}$ $0.00009_{LTG}^{E}$ | n/v | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000094 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000099 | <0.0000050 RRV | <0.0000050 | 0.0000057 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000057 |
| **CCME Cadmium Guideline (Chronic)** | | | | | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00005 | 0.00012 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | 0.00004 |
| **CCME Cadmium Guideline (Acute)** | | | | | 0.00042 | 0.00042 | 0.00036 | 0.00035 | 0.00035 | 0.00037 | 0.00043 | 0.00050 | 0.00142 | 0.00039 | 0.00011 | 0.00034 | 0.00040 | 0.00041 | 0.00045 |
| Calcium | mg/L | n/v | n/v | n/v | 5.61 | 5.77 | 5.93 | 4.21 | 4.78 | 4.87 | 5.60 | 6.50 | 5.96 RRV | 6.14 | 1.21 | 4.77 | 5.56 | 5.26 | 5.71 |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | 0.000014 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Chromium (Hexavalent) | mg/L | n/v | $0.001^{E}$ | $0.005^{F}$ | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00077 | 0.00070 | <0.00050 | <0.00050 | <0.00050 |
| Cobalt | mg/L | n/v | n/v | Equation$*_{s4}^{F}$ | <0.00010 | <0.00010 | <0.00010 | 0.00029 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| **FEQG Cobalt Guideline (Chronic)** | | | | | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0009 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 |
| Copper | mg/L | n/v | Equation$*_{EQ6}^{E}$ | n/v | 0.00106 | 0.00193 | <0.00050 | 0.00055 | <0.00050 | <0.00050 | <0.00050 | 0.00157 | 0.00061 RRV | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00051 |
| **CWQG Copper Guideline (Chronic)** | | | | | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 |
| Iron | mg/L | $0.3^{C}$ | $0.3^{E}$ | Equation$*_{s5}^{F}$ | 0.101 | 0.114 | **0.353$^{CE}$** | **0.804$^{CEF}$** | **0.641$^{CE}$** | 0.268 | 0.289 | **0.305$^{CE}$** | 0.099 | 0.099 | 0.057 | **0.657$^{CE}$** | 0.300 | 0.275 | 0.260 |
| **FEQG Iron Guideline (Chronic)** | | | | | 0.79 | 0.80 | 0.79 | 0.75 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.41 | 0.80 | 0.80 | 0.80 | 0.80 |
| Lead | mg/L | n/v | Equation$*_{EQ5}^{E}$ | n/v | <0.000050 | 0.000079 | <0.000050 | 0.000070 | <0.000050 | <0.000050 | <0.000050 | 0.000119 | <0.000050 RRV | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| **CWQG Lead Guideline (Chronic)** | | | | | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Lithium | mg/L | n/v | n/v | n/v | 0.0014 | <0.0010 | 0.0010 | 0.0013 | <0.0010 | 0.0013 | 0.0017 | 0.0023 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0015 | 0.0020 |
| Magnesium | mg/L | n/v | n/v | n/v | 1.55 | 1.68 | 1.69 | 1.26 | 1.43 | 1.40 | 1.66 | 1.97 | 1.72 | 1.73 | 0.356 | 1.42 | 1.42 | 1.62 | 1.86 |
| Manganese | mg/L | n/v | n/v | n/v | 0.00412 | 0.00592 | 0.0296 | 0.112 | 0.0442 | 0.00877 | 0.00799 | 0.00844 | 0.00364 RRV | 0.0112 | 0.00328 | 0.0500 | 0.00876 | 0.00741 | 0.00720 |
| Mercury | mg/L | $0.000026^{C}$ | $0.000026^{E}$ | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | n/v | $0.004^{E}$ | n/v | 0.000048 | 0.000040 | 0.000168 | 0.000132 | 0.000101 | 0.000062 | 0.000059 | 0.000054 | 0.000064 | 0.000045 | 0.000047 | 0.000104 | - | - | - |
| Molybdenum | mg/L | $0.073^{C}$ | $0.073^{E}$ | n/v | <0.000050 | 0.000070 | 0.000063 | 0.000110 | 0.000070 | 0.000085 | 0.000081 | 0.000106 | 0.000053 RRV | 0.000071 | <0.000050 | 0.000072 | 0.000092 | 0.000075 | 0.000096 |
| Nickel | mg/L | n/v | Equation$*_{EQ7}^{E}$ | n/v | 0.00055 | <0.00050 | <0.00050 | 0.00086 | <0.00050 | <0.00050 | <0.00050 | 0.00092 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00084 |
| **CWQG Nickel Guideline (Chronic)** | | | | | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.072 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | n/v | n/v | n/v | 0.693 | 0.758 | 0.734 | 1.26 | 0.664 | 0.667 | 0.801 | 0.897 | 0.779 | 0.769 | 0.191 | 0.657 | 0.648 | 0.755 | 0.802 |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00091 | 0.00095 | 0.00100 | 0.00170 | 0.00084 | 0.00086 | 0.00095 | 0.00124 | 0.00093 | 0.00101 | 0.00022 | 0.00088 | 0.00088 | 0.00096 | 0.00102 |
| Selenium | mg/L | $0.001^{C}$ | $0.001^{E}$ | n/v | <0.000050 | 0.000066 | 0.000086 | 0.000051 | <0.000050 | <0.000050 | 0.000085 | 0.000065 | 0.000058 | 0.000057 | 0.000056 | <0.000050 | 0.000084 | <0.000050 | 0.000064 |
| Silicon | mg/L | n/v | n/v | n/v | 1.04 | 1.07 | 1.16 | 4.09 | 1.09 | 0.96 | 1.18 | 1.44 | 1.11 | 1.23 | 0.24 | 1.16 | 0.99 | 1.17 | 1.33 |
| Silver | mg/L | $0.0001^{C}$ | $0.00025^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | 0.000020 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | n/v | n/v | n/v | 1.72 | 2.33 | 1.90 | 1.42 | 1.28 | 1.40 | 1.87 | 1.92 | 2.49 | 1.70 | 0.472 | 1.27 | 1.58 | 1.70 | 1.78 |
| Strontium | mg/L | n/v | n/v | n/v | 0.0149 | 0.0150 | 0.0164 | 0.0106 | 0.0126 | 0.0136 | 0.0161 | 0.0202 | 0.0156 RRV | 0.0175 | 0.00345 | 0.0124 | 0.0137 | 0.0143 | 0.0169 |
| Sulfur | mg/L | n/v | n/v | n/v | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | $0.0008^{C}$ | $0.0008^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00393 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00363 |
| Titanium | mg/L | n/v | n/v | n/v | 0.00039 | 0.00050 | 0.00034 | 0.00290 | 0.00075 | 0.00095 | 0.00081 | 0.00088 | 0.00035 | 0.00037 | 0.00035 | 0.00062 | 0.00107 | 0.00067 | 0.00074 |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | $0.033/0.015_{s4}^{C}$ | $0.033^{D}$ $0.015^{E}$ | n/v | 0.000015 | 0.000013 | 0.000013 | 0.000023 | 0.000010 | 0.000013 | 0.000013 | 0.000018 | 0.000011 | 0.000013 | <0.000010 | 0.000011 | 0.000014 | 0.000011 | 0.000016 |
| Vanadium | mg/L | n/v | n/v | $0.12^{F}$ | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | n/v | n/v | n/v | <0.0030 | <0.0030 | <0.0030 | 0.0043 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 RRV | <0.0030 | <0.0030 | <0.0030 | **0.0200$^{E}$** | <0.0030 | <0.0030 |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | 0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 RRV | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| Area | | | | | MacLellan | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQM91-Deep | | | | | | COC2-LOB1-1 | | | | | | |
| Sample Date | | | | | 21-Mar-25 | 25-Apr-25 | 24-May-25 | 24-Oct-25 | 25-Nov-25 | 14-Dec-25 | 27-Feb-25 | 22-Mar-25 | 23-Apr-25 | 24-May-25 | 29-Oct-25 | 25-Nov-25 | 18-Dec-25 |
| Sample ID | | | | | AQM91-Deep | AQM91 - Deep | AQM91-deep | AQM91-deep | AQM91-deep | AQM91-Deep | COC2-LOB1-1 | COC2-LOB1-1 | COC2-LOB1-1 | COC2-LOB1-1 | COC2-LOB1-1 | COC2-LOB1-1 | COC2-LOB1-1 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory Work Order | | | | | WP2503946 | WP2505581 | WP2507298 | WP2518837 | WP2520648 | WP2521492 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 |
| Laboratory Sample ID | | | | | WP2503946-012 | WP2505581-011 | WP2507298-028 | WP2518837-027 | WP2520648-002 | WP2521492-012 | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | |
| **Field Parameters** | | | | | | | | | | | | | | | | | |
| Dissolved Oxygen, Field | mg/L | $>6.0^{BC}$ | $>6.5_{VAR}^{E}$ | n/v | **$2.73^{BCE}$** | **$0.84^{BCE}$** | 10.95 | 12.37 | - | 11.04 | 10.68 | 9.48 | 14.57 | 9.12 | 12.7 | 12.19 | 10.92 |
| Electrical Conductivity, Field | mS/cm | n/v | n/v | n/v | 132.6 | 32.4 | 46.6 | 53 | - | 24.1 | 8.8 | 40.4 | 39.3 | 39.2 | 23 | 26.3 | 27.6 |
| Oxidation Reduction Potential, field | mV | n/v | n/v | n/v | 115.1 | 84.6 | 130.5 | 154.4 | - | 104.3 | 10.6 | 70.6 | 49.7 | 95.4 | 58.7 | 156.6 | 87.8 |
| pH, Field | S.U. | $6.5\text{-}9.0^{C}$ | $6.5\text{-}9.0^{E}$ | n/v | **$6.45^{CE}$** | 6.7 | 7.04 | 7.16 | - | 7.03 | 6.71 | 6.64 | 6.7 | **$6.35^{CE}$** | 6.79 | **$6.24^{CE}$** | 6.59 |
| Specific Conductance, Field | µS/cm | n/v | n/v | n/v | 212.5 | 53 | 62.5 | 87 | - | 41.3 | 16.8 | 77.5 | 69 | 48.1 | 39.2 | 50.2 | 52.9 |
| Temperature, Field | deg C | n/v | n/v | n/v | 4.4 | 4.7 | 11.7 | 4.528 | - | 3.163 | -0.1 | 0 | 0.2 | 15.4 | 3.35 | 0.12 | 0 |
| Total Dissolved Solids, Field | mg/L | n/v | n/v | n/v | 135.25 | 34.45 | 40.95 | 57 | - | 27 | 11 | 50.7 | 44.85 | 31.20 | 24.49 | 32.609 | 34 |
| Turbidity, Field | NTU | n/v | n/v | n/v | 1.65 | 1.23 | - | - | 1.28 | 0 | 2.17 | - | 3.57 | - | - | 4.37 | 4.05 |
| **General Chemistry** | | | | | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | n/v | n/v | n/v | 7.0 | 6.3 | 2.3 | <2.0 | 2.1 | 3.5 | - | - | - | - | - | - | - |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | n/v | n/v | n/v | 22.6 | 23.6 | 16.7 | 16.6 | 18.2 | 18.8 | - | - | - | - | - | - | - |
| Alkalinity, Carbonate (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | - | - | - | - | - | - | - |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | - | - | - | - | - | - | - |
| Alkalinity, Phenolphthalein | mg/L | n/v | n/v | n/v | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | - | - | - | - | - | - | - |
| Alkalinity, Total (as CaCO3) | mg/L | n/v | n/v | n/v | 22.6 | 23.6 | 16.7 | 16.6 | 18.2 | 18.8 | - | - | - | - | - | - | - |
| Ammonia (as N) | mg/L | $\text{Equation*}_{TBC}^{BC}$ | $0.0173/190_{TBC2}^{E}$ | n/v | 0.0139 | 0.0099 | <0.0050 | 0.0088 | 0.0275 | 0.0379 | - | - | - | - | - | - | - |
| **MSOG Ammonia Guideline (Chronic)** | | | | | 6.67 | 6.44 | 5.82 | 5.50 | 5.68 | 5.84 | - | - | - | - | - | - | - |
| **CCME Ammonia Guideline (Chronic)** | | | | | 39.72 | 12.58 | 5.74 | 3.98 | 3.98 | 12.58 | - | - | - | - | - | - | - |
| Bromide | mg/L | n/v | n/v | n/v | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | - | - | - | - | - | - | - |
| Chloride | mg/L | n/v | $640^{D}$ $120^{E}$ | n/v | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | - | - | - | - | - | - | - |
| Cyanate | mg/L | n/v | n/v | n/v | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | - | - | - | - | - | - | - |
| Cyanide | mg/L | $0.022/0.0052_{s1}^{C}$ | $0.005^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 CNI | <0.0010 | <0.0010 | - | - | - | - | - | - | - |
| Cyanide (Free) | mg/L | $0.022/0.0052_{s1}^{B}$ | $0.005^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | 0.0016 | <0.0010 | <0.0010 | - | - | - | - | - | - | - |
| Cyanide (Weak Acid Dissociable) | mg/L | n/v | $0.005^{E}$ | n/v | <0.0010 | <0.0010 | <0.0010 | 0.0022 | 0.0014 | <0.0010 | - | - | - | - | - | - | - |
| Dissolved Organic Carbon (DOC) | mg/L | n/v | n/v | n/v | 14.2 | 14.4 | 14.4 | 13.9 | 12.8 | 13.2 | - | - | - | - | - | - | - |
| Electrical Conductivity, Lab | µS/cm | n/v | n/v | n/v | 55.3 | 51.9 | 39.0 | 40.4 | 44.0 | 45.3 | - | - | - | - | - | - | - |
| Fluoride | mg/L | n/v | $0.12^{E}$ | n/v | 0.054 | 0.049 | 0.049 | 0.043 | 0.043 | 0.051 | - | - | - | - | - | - | - |
| Hardness (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | 17.7 | 19.7 | 19.7 | - | - | - | - | - | - | - |
| Hardness (as CaCO3), dissolved | mg/L | n/v | n/v | n/v | 19.8 | 25.5 | 17.1 | 16.5 | 19.9 | 19.5 | - | - | - | - | - | - | - |
| Nitrate (as N) | mg/L | $13^{C}$ | $124^{D}$ $3.0^{E}$ | n/v | 0.107 | 0.109 | <0.020 | 0.044 | 0.081 | 0.084 | - | - | - | - | - | - | - |
| Nitrate + Nitrite (as N) | mg/L | $10^{B}$ $10^{C}$ | n/v | n/v | 0.107 | 0.109 | <0.0224 | 0.0440 | 0.0810 | 0.0840 | - | - | - | - | - | - | - |
| Nitrite (as N) | mg/L | $0.06^{C}$ | $0.06^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | - | - | - | - | - | - | - |
| pH, lab | S.U. | $6.5\text{-}9.0^{C}$ | $6.5\text{-}9.0^{E}$ | n/v | 7.36 | 7.21 | 7.43 | 7.28 | 7.06 | 6.94 | - | - | - | - | - | - | - |
| Phosphorus, Total | mg/L | $0.025^{A}$ | n/v | n/v | 0.0244 | 0.0080 | 0.0123 | 0.0155 | **$0.0293^{A}$** | 0.0142 | - | - | - | - | - | - | - |
| Phosphorus, Total (Dissolved) | mg/L | n/v | n/v | n/v | 0.0089 | 0.0074 | 0.0064 | 0.0091 | 0.0094 | 0.0104 | - | - | - | - | - | - | - |
| Sulfate | mg/L | n/v | n/v | n/v | <0.30 | <0.30 | <0.30 | 0.37 | <0.30 | <0.30 | - | - | - | - | - | - | - |
| Thiocyanate | mg/L | n/v | n/v | n/v | <0.50 SFT | 0.61 | <0.50 | <0.50 | <0.50 | <0.50 | - | - | - | - | - | - | - |
| Total Dissolved Solids | mg/L | n/v | n/v | n/v | 34.4 | 28.8 | 39.1 | 30.3 | 38.3 | 42.3 | - | - | - | - | - | - | - |
| Total Kjeldahl Nitrogen | mg/L | n/v | n/v | n/v | 0.474 | 0.395 | 0.359 | 0.437 | 0.746 | 0.428 | - | - | - | - | - | - | - |
| Total Organic Carbon | mg/L | n/v | n/v | n/v | 14.5 | 12.8 | 13.2 | 13.8 | 14.5 | 13.9 | - | - | - | - | - | - | - |
| Total Suspended Solids | mg/L | $SN^{BC}$ | $SN^{E}$ | n/v | 14.4 | <1.0 | 1.0 | <1.0 | 20.7 | <1.0 | - | - | - | - | - | - | - |
| Turbidity, Lab | NTU | n/v | n/v | n/v | 2.53 | 0.87 | 0.98 | 1.17 | 2.33 | 0.56 | - | - | - | - | - | - | - |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | MacLellan | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQM91-Deep | | | | | | COC2-LOB1-1 | | | | | | |
| Sample Date | | | | | 21-Mar-25 | 25-Apr-25 | 24-May-25 | 24-Oct-25 | 25-Nov-25 | 14-Dec-25 | 27-Feb-25 | 22-Mar-25 | 23-Apr-25 | 24-May-25 | 29-Oct-25 | 25-Nov-25 | 18-Dec-25 |
| Sample ID | | | | | AQM91-Deep | AQM91 - Deep | AQM91-deep | AQM91-deep | AQM91-deep | AQM91-Deep | COC2-LOB1-1 | COC2-LOB1-1 | COC2-LOB1-1 | COC2-LOB1-1 | COC2-LOB1-1 | COC2-LOB1-1 | COC2-LOB1-1 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory Work Order | | | | | WP2503946 | WP2505581 | WP2507298 | WP2518837 | WP2520648 | WP2521492 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 |
| Laboratory Sample ID | | | | | WP2503946-012 | WP2505581-011 | WP2507298-028 | WP2518837-027 | WP2520648-002 | WP2521492-012 | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | |
| **Metals, Dissolved** | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | n/v | n/v | n/v | 0.0270 | 0.0328 | 0.0294 | 0.0308 | 0.0362 | 0.0388 | - | - | - | - | - | - | - |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | - | - | - | - | - | - |
| Arsenic | mg/L | 0.34/0.15$_{s2}^{BC}$ | n/v | n/v | 0.00023 | 0.00021 | 0.00023 | 0.00026 | 0.00026 | 0.00026 | - | - | - | - | - | - | - |
| Barium | mg/L | n/v | n/v | n/v | 0.00839 | 0.0112 | 0.00587 | 0.00654 | 0.00694 | 0.00773 | - | - | - | - | - | - | - |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | - | - | - | - | - | - | - |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | - | - | - | - | - | - | - |
| Boron | mg/L | n/v | n/v | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | - | - | - | - | - | - | - |
| Cadmium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | - | - | - | - | - | - | - |
| MSOG Cadmium Guideline (Chronic) | | | | | 0.00008 | 0.00010 | 0.00007 | 0.00007 | 0.00008 | 0.00008 | - | - | - | - | - | - | - |
| MSOG Cadmium Guideline (Acute) | | | | | 0.00042 | 0.00053 | 0.00036 | 0.00037 | 0.00042 | 0.00041 | - | - | - | - | - | - | - |
| Calcium | mg/L | n/v | n/v | n/v | 5.45 | 6.82 | 4.59 | 4.43 | 5.48 | 5.18 | - | - | - | - | - | - | - |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - | - | - | - | - | - | - |
| Chromium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | - | - | - | - | - | - |
| MSOG Chromium Guideline (Chronic) | | | | | 0.00392 | 0.00446 | 0.00364 | 0.00371 | 0.00393 | 0.00391 | - | - | - | - | - | - | - |
| Cobalt | mg/L | n/v | n/v | n/v | 0.00021 | 0.00033 | <0.00010 | <0.00010 | <0.00010 | 0.00017 | - | - | - | - | - | - | - |
| Copper | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s2}^{F}$ | 0.00043 | 0.00037 | 0.00040 | 0.00073 RRV | 0.00031 | 0.00038 | - | - | - | - | - | - | - |
| MSOG Copper Guideline (Chronic) | | | | | 0.00224 | 0.00279 | 0.00198 | 0.00204 | 0.00225 | 0.00223 | - | - | - | - | - | - | - |
| MSOG Copper Guideline (Acute) | | | | | 0.0029 | 0.0037 | 0.0025 | 0.0026 | 0.0029 | 0.0029 | - | - | - | - | - | - | - |
| FEQG Copper Guideline (Chronic) | | | | | 0.0009 | 0.0021 | 0.0042 | 0.0051 | 0.0043 | 0.0039 | - | - | - | - | - | - | - |
| Iron | mg/L | n/v | n/v | n/v | 0.424 | 0.576 | 0.406 | 0.163 | 0.171 | 0.164 | - | - | - | - | - | - | - |
| Lead | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s3}^{F}$ | <0.000050 | <0.000050 | <0.000050 | 0.000060 | <0.000050 | <0.000050 | - | - | - | - | - | - | - |
| MSOG Lead Guideline (Chronic) | | | | | 0.00042 | 0.00055 | 0.00035 | 0.00037 | 0.00042 | 0.00041 | - | - | - | - | - | - | - |
| MSOG Lead Guideline (Acute) | | | | | 0.01067 | 0.01420 | 0.00904 | 0.00940 | 0.01073 | 0.01061 | - | - | - | - | - | - | - |
| FEQG Lead Guideline (Chronic) | | | | | 0.0115 | 0.0122 | 0.0112 | 0.0111 | 0.0109 | 0.0110 | - | - | - | - | - | - | - |
| Lithium | mg/L | n/v | n/v | n/v | <0.0010 | 0.0012 | <0.0010 | 0.0012 | 0.0018 | <0.0010 | - | - | - | - | - | - | - |
| Magnesium | mg/L | n/v | n/v | n/v | 1.50 | 2.06 | 1.36 | 1.33 | 1.51 | 1.60 | - | - | - | - | - | - | - |
| Manganese | mg/L | n/v | Equation*$_{EQ3,EQ4}^{DE}$ | n/v | 0.243 | **0.396$^{E}$** | 0.0346 | 0.00565 | 0.00972 | 0.00746 | - | - | - | - | - | - | - |
| CCME Manganese Guideline (Chronic) | | | | | 0.260 | 0.330 | 0.230 | 0.250 | 0.260 | 0.090 | - | - | - | - | - | - | - |
| CCME Manganese Guideline (Acute) | | | | | 1.606 | 2.005 | 1.412 | 1.455 | 1.613 | 1.599 | - | - | - | - | - | - | - |
| Mercury | mg/L | n/v | n/v | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | - | - | - | - | - | - | - |
| Methyl Mercury | µg/L | n/v | n/v | n/v | <0.000160 DLM | 0.000104 | 0.000072 | - | - | - | - | - | - | - | - | - | - |
| Molybdenum | mg/L | n/v | n/v | n/v | 0.000053 | 0.000058 | 0.000056 | 0.000056 | 0.000069 | <0.000050 | - | - | - | - | - | - | - |
| Nickel | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00070 | - | - | - | - | - | - | - |
| MSOG Nickel Guideline (Chronic) | | | | | 0.013 | 0.016 | 0.012 | 0.012 | 0.013 | 0.013 | - | - | - | - | - | - | - |
| MSOG Nickel Guideline (Acute) | | | | | 0.119 | 0.147 | 0.105 | 0.108 | 0.119 | 0.118 | - | - | - | - | - | - | - |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | - | - | - | - | - | - | - |
| Potassium | mg/L | n/v | n/v | n/v | 0.575 | 0.688 | 0.630 | 0.636 | 0.677 | 0.714 | - | - | - | - | - | - | - |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00076 | 0.00101 | 0.00084 | 0.00091 | 0.00084 | 0.00095 | - | - | - | - | - | - | - |
| Selenium | mg/L | n/v | n/v | n/v | <0.000050 | 0.000061 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | - | - | - | - | - | - | - |
| Silicon | mg/L | n/v | n/v | n/v | 1.36 | 1.72 | 1.10 | 0.998 | 1.14 | 1.31 | - | - | - | - | - | - | - |
| Silver | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - | - | - | - | - | - | - |
| Sodium | mg/L | n/v | n/v | n/v | 1.36 | 1.62 | 1.20 | 1.40 | 1.49 | 1.66 | - | - | - | - | - | - | - |
| Strontium | mg/L | n/v | n/v | 2.5$^{F}$ | 0.0154 | 0.0187 | 0.0132 | 0.0136 | 0.0143 | 0.0139 | - | - | - | - | - | - | - |
| Sulfur | mg/L | n/v | n/v | n/v | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | - | - | - | - | - | - | - |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | - | - | - | - | - | - | - |
| Thallium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - | - | - | - | - | - | - |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | - | - | - | - | - | - |
| Tin | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | 0.00014 | 0.00039 | 0.00019 | 0.00012 | - | - | - | - | - | - | - |
| Titanium | mg/L | n/v | n/v | n/v | 0.00032 | <0.00030 | 0.00039 | 0.00048 | 0.00044 | 0.00042 | - | - | - | - | - | - | - |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | - | - | - | - | - | - |
| Uranium | mg/L | n/v | n/v | n/v | 0.000010 | <0.000010 | 0.000010 | <0.000010 | 0.000011 | 0.000011 | - | - | - | - | - | - | - |
| Vanadium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | - | - | - | - | - | - |
| Zinc | mg/L | Equation*$_{s5}^{BC}$ | Equation*$_{EQ1,EQ2}^{DE}$ | n/v | <0.0010 | 0.0013 | 0.0011 | 0.0016 | <0.0010 | 0.0011 | - | - | - | - | - | - | - |
| MSOG Zinc Guideline (Chronic) | | | | | 0.030 | 0.037 | 0.026 | 0.027 | 0.030 | 0.030 | - | - | - | - | - | - | - |
| MSOG Zinc Guideline (Acute) | | | | | 0.030 | 0.037 | 0.026 | 0.027 | 0.030 | 0.030 | - | - | - | - | - | - | - |
| CCME Zinc Guideline (Chronic) | | | | | 0.012 | 0.018 | 0.010 | 0.012 | 0.015 | 0.017 | - | - | - | - | - | - | - |
| CCME Zinc Guideline (Acute) | | | | | 0.038 | 0.048 | 0.034 | 0.035 | 0.038 | 0.038 | - | - | - | - | - | - | - |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | - | - | - | - | - | - | - |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | MacLellan | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | AQM91-Deep | | | | | | COC2-LOB1-1 | | | | | | |
| Sample Date | | | | | 21-Mar-25 | 25-Apr-25 | 24-May-25 | 24-Oct-25 | 25-Nov-25 | 14-Dec-25 | 27-Feb-25 | 22-Mar-25 | 23-Apr-25 | 24-May-25 | 29-Oct-25 | 25-Nov-25 | 18-Dec-25 |
| Sample ID | | | | | AQM91-Deep | AQM91 - Deep | AQM91-deep | AQM91-deep | AQM91-deep | AQM91-Deep | COC2-LOB1-1 | COC2-LOB1-1 | COC2-LOB1-1 | COC2-LOB1-1 | COC2-LOB1-1 | COC2-LOB1-1 | COC2-LOB1-1 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | ALS | ALS | ALS | ALS | ALS | ALS | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory Work Order | | | | | WP2503946 | WP2505581 | WP2507298 | WP2518837 | WP2520648 | WP2521492 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 |
| Laboratory Sample ID | | | | | WP2503946-012 | WP2505581-011 | WP2507298-028 | WP2518837-027 | WP2520648-002 | WP2521492-012 | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | |
| **Metals, Total** | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | $0.005/0.1_{VAR}^{C}$ | $0.005/0.1_{VAR1}^{E}$ | $Equation*_{s1}^{F}$ | 0.0777 | 0.0404 | 0.0414 | 0.0434 | **0.207$^{CE}$** | 0.0495 | - | - | - | - | - | - | - |
| **FEQG Aluminum Guideline (Chronic)** | | | | | 0.35 | 0.51 | 0.66 | 0.77 | 4.6 | 0.68 | - | - | - | - | - | - | - |
| Antimony | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | - | - | - | - | - | - |
| Arsenic | mg/L | n/v | $0.005^{E}$ | n/v | 0.00027 | 0.00033 | 0.00032 | 0.00032 | 0.00033 | 0.00029 | - | - | - | - | - | - | - |
| Barium | mg/L | n/v | n/v | n/v | 0.0103 | 0.0111 | 0.00653 | 0.00659 | 0.00898 | 0.00747 | - | - | - | - | - | - | - |
| Beryllium | mg/L | n/v | n/v | n/v | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | - | - | - | - | - | - | - |
| Bismuth | mg/L | n/v | n/v | n/v | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | - | - | - | - | - | - | - |
| Boron | mg/L | $29/1.5_{s3}^{C}$ | $29^{D}$ $1.5^{E}$ | n/v | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | - | - | - | - | - | - | - |
| Cadmium | mg/L | n/v | $0.001_{STB}^{D}$ $0.00009_{LTG}^{E}$ | n/v | <0.0000050 | <0.0000050 | 0.0000100 | <0.0000050 | 0.0000084 | 0.0000114 | - | - | - | - | - | - | - |
| **CCME Cadmium Guideline (Chronic)** | | | | | 0.00004 | 0.00005 | 0.00004 | 0.00004 | 0.00004 | 0.00004 | - | - | - | - | - | - | - |
| **CCME Cadmium Guideline (Acute)** | | | | | 0.00040 | 0.00052 | 0.00035 | 0.00036 | 0.00041 | 0.00040 | - | - | - | - | - | - | - |
| Calcium | mg/L | n/v | n/v | n/v | 6.30 | 6.13 | 4.82 | 4.75 | 5.27 | 5.30 | - | - | - | - | - | - | - |
| Cesium | mg/L | n/v | n/v | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | 0.000017 | <0.000010 | - | - | - | - | - | - | - |
| Chromium | mg/L | n/v | n/v | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | - | - | - | - | - | - | - |
| Chromium (Hexavalent) | mg/L | n/v | $0.001^{E}$ | $0.005^{F}$ | **0.00105 RRV$^{E}$** | <0.00050 | 0.00058 | <0.00050 | <0.00050 | <0.00050 | - | - | - | - | - | - | - |
| Cobalt | mg/L | n/v | n/v | $Equation*_{s4}^{F}$ | 0.00028 | 0.00032 | <0.00010 | <0.00010 | 0.00013 | <0.00010 | - | - | - | - | - | - | - |
| **FEQG Cobalt Guideline (Chronic)** | | | | | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | 0.0008 | - | - | - | - | - | - | - |
| Copper | mg/L | n/v | $Equation*_{EQ6}^{E}$ | n/v | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00066 | 0.00056 | - | - | - | - | - | - | - |
| **CWQG Copper Guideline (Chronic)** | | | | | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | - | - | - | - | - | - | - |
| Iron | mg/L | $0.3^{C}$ | $0.3^{E}$ | $Equation*_{s5}^{F}$ | **0.582$^{CE}$** | **0.826$^{CEF}$** | **0.672$^{CE}$** | 0.295 | **0.626$^{CE}$** | 0.265 | - | - | - | - | - | - | - |
| **FEQG Iron Guideline (Chronic)** | | | | | 0.77 | 0.80 | 0.80 | 0.80 | 0.73 | 0.80 | - | - | - | - | - | - | - |
| Lead | mg/L | n/v | $Equation*_{EQ5}^{E}$ | n/v | 0.000098 | <0.000050 | <0.000050 | <0.000050 | 0.000190 | <0.000050 | - | - | - | - | - | - | - |
| **CWQG Lead Guideline (Chronic)** | | | | | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | - | - | - | - | - | - | - |
| Lithium | mg/L | n/v | n/v | n/v | <0.0010 | 0.0016 | <0.0010 | <0.0010 | 0.0016 | 0.0020 | - | - | - | - | - | - | - |
| Magnesium | mg/L | n/v | n/v | n/v | 1.80 | 1.62 | 1.38 | 1.42 | 1.59 | 1.57 | - | - | - | - | - | - | - |
| Manganese | mg/L | n/v | n/v | n/v | 0.295 | 0.336 | 0.0530 | 0.00875 | 0.0262 | 0.00970 | - | - | - | - | - | - | - |
| Mercury | mg/L | $0.000026^{C}$ | $0.000026^{E}$ | n/v | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | - | - | - | - | - | - | - |
| Methyl Mercury | µg/L | n/v | $0.004^{E}$ | n/v | 0.000073 | 0.000075 | 0.000090 | - | - | - | - | - | - | - | - | - | - |
| Molybdenum | mg/L | $0.073^{C}$ | $0.073^{E}$ | n/v | 0.000060 | 0.000065 | 0.000070 | 0.000090 | 0.000080 | 0.000072 | - | - | - | - | - | - | - |
| Nickel | mg/L | n/v | $Equation*_{EQ7}^{E}$ | n/v | 0.00051 | <0.00050 | <0.00050 | <0.00050 | 0.00069 | 0.00079 | - | - | - | - | - | - | - |
| **CWQG Nickel Guideline (Chronic)** | | | | | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | 0.025 | - | - | - | - | - | - | - |
| Phosphorus | mg/L | n/v | n/v | n/v | <0.050 | <0.050 | <0.050 | <0.050 | 0.051 | <0.050 | - | - | - | - | - | - | - |
| Potassium | mg/L | n/v | n/v | n/v | 0.659 | 0.632 | 0.645 | 0.646 | 0.723 | 0.721 | - | - | - | - | - | - | - |
| Rubidium | mg/L | n/v | n/v | n/v | 0.00101 | 0.00097 | 0.00096 | 0.00089 | 0.00114 | 0.00095 | - | - | - | - | - | - | - |
| Selenium | mg/L | $0.001^{C}$ | $0.001^{E}$ | n/v | 0.000063 | 0.000093 | 0.000178 | 0.000066 | <0.000050 | 0.000055 | - | - | - | - | - | - | - |
| Silicon | mg/L | n/v | n/v | n/v | 1.58 | 1.66 | 1.14 | 1.00 | 1.54 | 1.38 | - | - | - | - | - | - | - |
| Silver | mg/L | $0.0001^{C}$ | $0.00025^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - | - | - | - | - | - | - |
| Sodium | mg/L | n/v | n/v | n/v | 1.55 | 1.42 | 1.23 | 1.44 | 1.54 | 1.64 | - | - | - | - | - | - | - |
| Strontium | mg/L | n/v | n/v | n/v | 0.0184 | 0.0177 | 0.0125 | 0.0131 | 0.0151 | 0.0166 | - | - | - | - | - | - | - |
| Sulfur | mg/L | n/v | n/v | n/v | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | - | - | - | - | - | - | - |
| Tellurium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | - | - | - | - | - | - | - |
| Thallium | mg/L | $0.0008^{C}$ | $0.0008^{E}$ | n/v | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | - | - | - | - | - | - | - |
| Thorium | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | - | - | - | - | - | - |
| Tin | mg/L | n/v | n/v | n/v | 0.00017 | 0.00012 | 0.00049 | 0.00034 | 0.00016 | 0.00384 | - | - | - | - | - | - | - |
| Titanium | mg/L | n/v | n/v | n/v | 0.00133 | 0.00056 | 0.00087 | 0.00077 | 0.00707 | 0.00071 | - | - | - | - | - | - | - |
| Tungsten | mg/L | n/v | n/v | n/v | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | - | - | - | - | - | - | - |
| Uranium | mg/L | $0.033/0.015_{s4}^{C}$ | $0.033^{D}$ $0.015^{E}$ | n/v | 0.000016 | 0.000013 | 0.000011 | 0.000013 | 0.000026 | 0.000012 | - | - | - | - | - | - | - |
| Vanadium | mg/L | n/v | n/v | $0.12^{F}$ | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00058 | <0.00050 | - | - | - | - | - | - | - |
| Zinc | mg/L | n/v | n/v | n/v | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | - | - | - | - | - | - | - |
| Zirconium | mg/L | n/v | n/v | n/v | <0.00020 | <0.00020 | <0.00020 | <0.00020 | 0.00022 | <0.00020 | - | - | - | - | - | - | - |

See notes on last page.

| Area | | | | | MacLellan | | | | Gordon Site | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | COC2-LOB2-MIN4-1 | | | | FAR6-A1-1 | | | | | | FAR7-A1-1 | | | | | | |
| Sample Date | | | | | 25-Feb-25 | 23-Apr-25 | 29-Oct-25 | 25-Nov-25 | 28-Feb-25 | 20-Mar-25 | 23-Apr-25 | 23-Oct-25 | 22-Nov-25 | 16-Dec-25 | 28-Feb-25 | 20-Mar-25 | 23-Apr-25 | 22-May-25 | 23-Oct-25 | 22-Nov-25 | 16-Dec-25 |
| Sample ID | | | | | COC2-LOB2-MIN4-1 | COC2-LOB2-MIN4-1 | COC2-LOB2-MIN4-1 | COC2-LOB2-MIN4-1 | FAR6-A1-1 | FAR6-A1-1 | FAR6-A1-1 | FAR6-A1-1 | FAR6-A1-1 | FAR6-A1-1 | FAR7-A1-1 | FAR7-A1-1 | FAR7-A1-1 | FAR7-A1-1 | FAR7-A1-1 | FAR7-A1-1 | FAR7-A1-1 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory Work Order | | | | | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 |
| Laboratory Sample ID | | | | | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | | | | |
| **Field Parameters** | | | | | | | | | | | | | | | | | | | | | |
| Dissolved Oxygen, Field | mg/L | $>6.0^{BC}$ | $>6.5_{VAR}^{E}$ | n/v | **$3.24^{BCE}$** | 9.86 | **$4.84^{BCE}$** | **$3.33^{BCE}$** | **$5.08^{BCE}$** | **$4.06^{BCE}$** | **$4.76^{BCE}$** | 11.76 | 7.8 | **$0.77^{BCE}$** | **$5.85^{BCE}$** | **$3.86^{BCE}$** | **$1.59^{BCE}$** | 12.62 | 11.3 | **$2.88^{BCE}$** | **$2.03^{BCE}$** |
| Electrical Conductivity, Field | mS/cm | n/v | n/v | n/v | 63.9 | 48.1 | 33.9 | 47.5 | 150.3 | 4.06 | 92.6 | 241.4 | 77.8 | 160.3 | 51.3 | 77.5 | 134.1 | 90.5 | 155.9 | 93 | 97.2 |
| Oxidation Reduction Potential, field | mV | n/v | n/v | n/v | -1.6 | 58.16 | 93.7 | 192.1 | -174.7 | -75.5 | 6.3 | 173.2 | 18.8 | -173.2 | 70.7 | -94.5 | -88.3 | 25.9 | 173.5 | -49.7 | -61.9 |
| pH, Field | S.U. | $6.5\text{-}9.0^{C}$ | $6.5\text{-}9.0^{E}$ | n/v | **$6.12^{CE}$** | 6.88 | **$6.29^{CE}$** | **$6.18^{CE}$** | 6.74 | 6.74 | 6.6 | 7.15 | 6.55 | 6.64 | 6.62 | 6.93 | 6.85 | 7.81 | 7.24 | 6.52 | **$6.33^{CE}$** |
| Specific Conductance, Field | µS/cm | n/v | n/v | n/v | 97.3 | 90.6 | 57.9 | 90.7 | 288.7 | 154.2 | 173.1 | 398.7 | 142.8 | 300.4 | 96.5 | 148.9 | 242.2 | 116.1 | 258 | 165.6 | 186.1 |
| Temperature, Field | deg C | n/v | n/v | n/v | 7.0 | 0.5 | 3.29 | 0.08 | -0.1 | 0 | 0.6 | 4.317 | 1.05 | 0.6 | -0.1 | 0 | 1.8 | 13.6 | 4.285 | 1.6 | 0 |
| Total Dissolved Solids, Field | mg/L | n/v | n/v | n/v | 63.05 | 59.15 | 37.63 | 58.91 | 188 | 100.75 | 112.45 | - | 93.159 | 196 | 68 | 97.5 | 157.3 | 75.40 | - | 110.41 | 121 |
| Turbidity, Field | NTU | n/v | n/v | n/v | - | 17.3 | - | 1.72 | 3.5 | - | 3.67 | - | 1.17 | 5.95 | - | 1.62 | 4.12 | 1.32 | - | 2.13 | - |
| **General Chemistry** | | | | | | | | | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Alkalinity, Carbonate (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Alkalinity, Phenolphthalein | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Alkalinity, Total (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Ammonia (as N) | mg/L | Equation*$_{TBC}^{BC}$ | $0.0173/190_{TBC2}^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| MSOG Ammonia Guideline (Chronic) | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CCME Ammonia Guideline (Chronic) | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Bromide | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Chloride | mg/L | n/v | $640^{D}$ $120^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Cyanate | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Cyanide | mg/L | $0.022/0.0052_{s1}^{C}$ | $0.005^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Cyanide (Free) | mg/L | $0.022/0.0052_{s1}^{B}$ | $0.005^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Cyanide (Weak Acid Dissociable) | mg/L | n/v | $0.005^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Dissolved Organic Carbon (DOC) | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Electrical Conductivity, Lab | µS/cm | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Fluoride | mg/L | n/v | $0.12^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Hardness (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Hardness (as CaCO3), dissolved | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Nitrate (as N) | mg/L | $13^{C}$ | $124^{D}$ $3.0^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Nitrate + Nitrite (as N) | mg/L | $10^{B}$ $10^{C}$ | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Nitrite (as N) | mg/L | $0.06^{C}$ | $0.06^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| pH, lab | S.U. | $6.5\text{-}9.0^{C}$ | $6.5\text{-}9.0^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Phosphorus, Total | mg/L | $0.025^{A}$ | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Phosphorus, Total (Dissolved) | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Sulfate | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Thiocyanate | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Dissolved Solids | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Kjeldahl Nitrogen | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Organic Carbon | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Suspended Solids | mg/L | $_{SN}^{BC}$ | $_{SN}^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Turbidity, Lab | NTU | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | MacLellan | | | | Gordon Site | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | COC2-LOB2-MIN4-1 | | | | FAR6-A1-1 | | | | | | FAR7-A1-1 | | | | | | |
| Sample Date | | | | | 25-Feb-25 | 23-Apr-25 | 29-Oct-25 | 25-Nov-25 | 28-Feb-25 | 20-Mar-25 | 23-Apr-25 | 23-Oct-25 | 22-Nov-25 | 16-Dec-25 | 28-Feb-25 | 20-Mar-25 | 23-Apr-25 | 22-May-25 | 23-Oct-25 | 22-Nov-25 | 16-Dec-25 |
| Sample ID | | | | | COC2-LOB2-MIN4-1 | COC2-LOB2-MIN4-1 | COC2-LOB2-MIN4-1 | COC2-LOB2-MIN4-1 | FAR6-A1-1 | FAR6-A1-1 | FAR6-A1-1 | FAR6-A1-1 | FAR6-A1-1 | FAR6-A1-1 | FAR7-A1-1 | FAR7-A1-1 | FAR7-A1-1 | FAR7-A1-1 | FAR7-A1-1 | FAR7-A1-1 | FAR7-A1-1 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory Work Order | | | | | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 |
| Laboratory Sample ID | | | | | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | | | | |
| **Metals, Dissolved** | | | | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Antimony | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Arsenic | mg/L | $0.34/0.15_{s2}^{BC}$ | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Barium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Beryllium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Bismuth | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Boron | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Cadmium | mg/L | Equation$*_{s5}^{BC}$ | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| MSOG Cadmium Guideline (Chronic) | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| MSOG Cadmium Guideline (Acute) | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Calcium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Cesium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Chromium | mg/L | Equation$*_{s5}^{BC}$ | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| MSOG Chromium Guideline (Chronic) | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Cobalt | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Copper | mg/L | Equation$*_{s5}^{BC}$ | n/v | Equation$*_{s2}^{F}$ | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| MSOG Copper Guideline (Chronic) | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| MSOG Copper Guideline (Acute) | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FEQG Copper Guideline (Chronic) | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Iron | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Lead | mg/L | Equation$*_{s5}^{BC}$ | n/v | Equation$*_{s3}^{F}$ | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| MSOG Lead Guideline (Chronic) | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| MSOG Lead Guideline (Acute) | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FEQG Lead Guideline (Chronic) | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Lithium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Magnesium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Manganese | mg/L | n/v | Equation$*_{EQ3,EQ4}^{DE}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CCME Manganese Guideline (Chronic) | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CCME Manganese Guideline (Acute) | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Mercury | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Methyl Mercury | µg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Molybdenum | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Nickel | mg/L | Equation$*_{s5}^{BC}$ | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| MSOG Nickel Guideline (Chronic) | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| MSOG Nickel Guideline (Acute) | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Phosphorus | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Potassium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Rubidium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Selenium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Silicon | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Silver | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Sodium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Strontium | mg/L | n/v | n/v | $2.5^{F}$ | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Sulfur | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Tellurium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Thallium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Thorium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Tin | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Titanium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Tungsten | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Uranium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Vanadium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zinc | mg/L | Equation$*_{s5}^{BC}$ | Equation$*_{EQ1,EQ2}^{DE}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| MSOG Zinc Guideline (Chronic) | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| MSOG Zinc Guideline (Acute) | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CCME Zinc Guideline (Chronic) | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CCME Zinc Guideline (Acute) | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zirconium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | MacLellan | | | | Gordon Site | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | COC2-LOB2-MIN4-1 | | | | FAR6-A1-1 | | | | | | FAR7-A1-1 | | | | | | |
| Sample Date | | | | | 25-Feb-25 | 23-Apr-25 | 29-Oct-25 | 25-Nov-25 | 28-Feb-25 | 20-Mar-25 | 23-Apr-25 | 23-Oct-25 | 22-Nov-25 | 16-Dec-25 | 28-Feb-25 | 20-Mar-25 | 23-Apr-25 | 22-May-25 | 23-Oct-25 | 22-Nov-25 | 16-Dec-25 |
| Sample ID | | | | | COC2-LOB2-MIN4-1 | COC2-LOB2-MIN4-1 | COC2-LOB2-MIN4-1 | COC2-LOB2-MIN4-1 | FAR6-A1-1 | FAR6-A1-1 | FAR6-A1-1 | FAR6-A1-1 | FAR6-A1-1 | FAR6-A1-1 | FAR7-A1-1 | FAR7-A1-1 | FAR7-A1-1 | FAR7-A1-1 | FAR7-A1-1 | FAR7-A1-1 | FAR7-A1-1 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory Work Order | | | | | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 |
| Laboratory Sample ID | | | | | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | | | | |
| **Metals, Total** | | | | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | $0.005/0.1_{VAR}^{C}$ | $0.005/0.1_{VAR1}^{E}$ | $Equation*_{s1}^{F}$ | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FEQG Aluminum Guideline (Chronic) | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Antimony | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Arsenic | mg/L | n/v | $0.005^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Barium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Beryllium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Bismuth | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Boron | mg/L | $29/1.5_{s3}^{C}$ | $29^{D}$ $1.5^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Cadmium | mg/L | n/v | $0.001_{STB}^{D}$ $0.00009_{LTG}^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CCME Cadmium Guideline (Chronic) | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CCME Cadmium Guideline (Acute) | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Calcium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Cesium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Chromium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Chromium (Hexavalent) | mg/L | n/v | $0.001^{E}$ | $0.005^{F}$ | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Cobalt | mg/L | n/v | n/v | $Equation*_{s4}^{F}$ | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FEQG Cobalt Guideline (Chronic) | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Copper | mg/L | n/v | $Equation*_{EQ6}^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CWQG Copper Guideline (Chronic) | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Iron | mg/L | $0.3^{C}$ | $0.3^{E}$ | $Equation*_{s5}^{F}$ | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| FEQG Iron Guideline (Chronic) | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Lead | mg/L | n/v | $Equation*_{EQ5}^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CWQG Lead Guideline (Chronic) | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Lithium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Magnesium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Manganese | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Mercury | mg/L | $0.000026^{C}$ | $0.000026^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Methyl Mercury | µg/L | n/v | $0.004^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Molybdenum | mg/L | $0.073^{C}$ | $0.073^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Nickel | mg/L | n/v | $Equation*_{EQ7}^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CWQG Nickel Guideline (Chronic) | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Phosphorus | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Potassium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Rubidium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Selenium | mg/L | $0.001^{C}$ | $0.001^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Silicon | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Silver | mg/L | $0.0001^{C}$ | $0.00025^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Sodium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Strontium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Sulfur | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Tellurium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Thallium | mg/L | $0.0008^{C}$ | $0.0008^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Thorium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Tin | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Titanium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Tungsten | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Uranium | mg/L | $0.033/0.015_{s4}^{C}$ | $0.033^{D}$ $0.015^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Vanadium | mg/L | n/v | n/v | $0.12^{F}$ | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zinc | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zirconium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| Area | | | | | MacLellan | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | KEE3-B2-A2-1 | | | | | | | KEE3-DOT3-1 | | | | | | | KEE3-PAY2-1 | | |
| Sample Date | | | | | 1-Mar-25 | 22-Mar-25 | 23-Apr-25 | 25-May-25 | 29-Oct-25 | 26-Nov-25 | 14-Dec-25 | 1-Mar-25 | 22-Mar-25 | 23-Apr-25 | 25-May-25 | 29-Oct-25 | 25-Nov-25 | 18-Dec-25 | 27-Feb-25 | 29-Oct-25 | 26-Nov-25 |
| Sample ID | | | | | KEE3-B2-A2-1 | KEE3-B2-A2-1 | KEE3-B2-A2-1 | KEE3-B2-A2-1 | KEE3-B2-A2-1 | KEE3-B2-A2-1 | KEE3-B2-A2-1 | KEE3-DOT3-1 | KEE3-DOT3-1 | KEE3-DOT3-1 | KEE3-DOT3-1 | KEE3-DOT3-1 | KEE3-DOT3-1 | KEE3-DOT3-1 | KEE3-PAY2-1 | KEE3-PAY2-1 | KEE3-PAY2-1 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory Work Order | | | | | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 |
| Laboratory Sample ID | | | | | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD |
| Sample Type | Units | MSOG-FAL | CWQG-PAL | FEQG | | | | | | | | | | | | | | | | | |
| **Field Parameters** | | | | | | | | | | | | | | | | | | | | | |
| Dissolved Oxygen, Field | mg/L | >6.0$^{BC}$ | >6.5$_{VAR}^{E}$ | n/v | 15.34 | **4**$^{BCE}$ | 7.51 | **1.15**$^{BCE}$ | 6.65 | **0.83**$^{BCE}$ | **1.9**$^{BCE}$ | 14.18 | **2.91**$^{BCE}$ | **2.4**$^{BCE}$ | **5.07**$^{BCE}$ | **6.37**$^{E}$ | **2.32**$^{BCE}$ | **1.99**$^{BCE}$ | 9.56 | 11.79 | **2.1**$^{BCE}$ |
| Electrical Conductivity, Field | mS/cm | n/v | n/v | n/v | 0.2 | 235.9 | 31.6 | 458.6 | 289.8 | 243.8 | 21.1 | 0.4 | 83.5 | 86.2 | 83.9 | 48.7 | 61.9 | 67.7 | 24.8 | 8.9 | 30.2 |
| Oxidation Reduction Potential, field | mV | n/v | n/v | n/v | 41.2 | -2.5 | 89.4 | -71.2 | 28.9 | -76.4 | -139.9 | -62.7 | -7.2 | -25.5 | 73.45 | -34.1 | 143.9 | -46.8 | 37.5 | 105.2 | 68.5 |
| pH, Field | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v | 7.05 | 7.06 | **6.34**$^{CE}$ | 6.51 | 6.88 | **6.25**$^{CE}$ | **6.28**$^{CE}$ | **6.19**$^{CE}$ | **6.06**$^{CE}$ | **6.09**$^{CE}$ | **6.04**$^{CE}$ | **6.08**$^{CE}$ | **6.06**$^{CE}$ | **6.3**$^{CE}$ | 7.06 | **5.8**$^{CE}$ | **5.91**$^{CE}$ |
| Specific Conductance, Field | µS/cm | n/v | n/v | n/v | 0.5 | 449.6 | 60.6 | 625.2 | 473.6 | 466.1 | 39.1 | 0.8 | 160.2 | 158 | 113.6 | 82.6 | 111 | 128.5 | 47.3 | 15.2 | 57.8 |
| Temperature, Field | deg C | n/v | n/v | n/v | -0.1 | 0.1 | 0.1 | 11.1 | 4.68 | 0 | 0 | -0.1 | 0 | 1.2 | 11.4 | 3.51 | 1.77 | 0.2 | 0 | 3.27 | 0 |
| Total Dissolved Solids, Field | mg/L | n/v | n/v | n/v | 0 | 291.2 | 39.25 | 406.25 | 307.73 | 304 | 30 | 1.0 | 104 | 102.7 | 28.0 | 53.62 | 72.081 | 84 | 31 | 9.87 | 38 |
| Turbidity, Field | NTU | n/v | n/v | n/v | 16.4 | - | 11.3 | - | - | 30.4 | 2.19 | 14.2 | - | 2.06 | - | - | 0.79 | - | 2.56 | - | 9.96 |
| **General Chemistry** | | | | | | | | | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Alkalinity, Carbonate (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Alkalinity, Phenolphthalein | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Alkalinity, Total (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Ammonia (as N) | mg/L | Equation*$_{TBC}^{BC}$ | 0.0173/190$_{TBC2}^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| MSOG Ammonia Guideline (Chronic) | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CCME Ammonia Guideline (Chronic) | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Bromide | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Chloride | mg/L | n/v | 640$^{D}$ 120$^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Cyanate | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Cyanide | mg/L | 0.022/0.0052$_{s1}^{C}$ | 0.005$^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Cyanide (Free) | mg/L | 0.022/0.0052$_{s1}^{B}$ | 0.005$^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Cyanide (Weak Acid Dissociable) | mg/L | n/v | 0.005$^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Dissolved Organic Carbon (DOC) | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Electrical Conductivity, Lab | µS/cm | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Fluoride | mg/L | n/v | 0.12$^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Hardness (as CaCO3) | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Hardness (as CaCO3), dissolved | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Nitrate (as N) | mg/L | 13$^{C}$ | 124$^{D}$ 3.0$^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Nitrate + Nitrite (as N) | mg/L | 10$^{B}$ 10$^{C}$ | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Nitrite (as N) | mg/L | 0.06$^{C}$ | 0.06$^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| pH, lab | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Phosphorus, Total | mg/L | 0.025$^{A}$ | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Phosphorus, Total (Dissolved) | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Sulfate | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Thiocyanate | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Dissolved Solids | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Kjeldahl Nitrogen | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Organic Carbon | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Suspended Solids | mg/L | $_{SN}^{BC}$ | $_{SN}^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Turbidity, Lab | NTU | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

See notes on last page.

## Table C.1-2: Summary of Surface Water Analytical Results
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Area | | | | | MacLellan | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Location** | | | | | KEE3-B2-A2-1 | | | | | | | KEE3-DOT3-1 | | | | | | | KEE3-PAY2-1 | | |
| **Sample Date** | | | | | 1-Mar-25 | 22-Mar-25 | 23-Apr-25 | 25-May-25 | 29-Oct-25 | 26-Nov-25 | 14-Dec-25 | 1-Mar-25 | 22-Mar-25 | 23-Apr-25 | 25-May-25 | 29-Oct-25 | 25-Nov-25 | 18-Dec-25 | 27-Feb-25 | 29-Oct-25 | 26-Nov-25 |
| **Sample ID** | | | | | KEE3-B2-A2-1 | KEE3-B2-A2-1 | KEE3-B2-A2-1 | KEE3-B2-A2-1 | KEE3-B2-A2-1 | KEE3-B2-A2-1 | KEE3-B2-A2-1 | KEE3-DOT3-1 | KEE3-DOT3-1 | KEE3-DOT3-1 | KEE3-DOT3-1 | KEE3-DOT3-1 | KEE3-DOT3-1 | KEE3-DOT3-1 | KEE3-PAY2-1 | KEE3-PAY2-1 | KEE3-PAY2-1 |
| **Sampling Company** | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| **Laboratory** | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| **Laboratory Work Order** | | | | | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 |
| **Laboratory Sample ID** | | | | | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** | | | | | | | | | | | | | | | | | |
| **Metals, Dissolved** | | | | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Antimony | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Arsenic | mg/L | $0.34/0.15_{s2}^{BC}$ | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Barium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Beryllium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Bismuth | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Boron | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Cadmium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **MSOG Cadmium Guideline (Chronic)** | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **MSOG Cadmium Guideline (Acute)** | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Calcium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Cesium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Chromium | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **MSOG Chromium Guideline (Chronic)** | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Cobalt | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Copper | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s2}^{F}$ | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **MSOG Copper Guideline (Chronic)** | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **MSOG Copper Guideline (Acute)** | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **FEQG Copper Guideline (Chronic)** | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Iron | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Lead | mg/L | Equation*$_{s5}^{BC}$ | n/v | Equation*$_{s3}^{F}$ | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **MSOG Lead Guideline (Chronic)** | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **MSOG Lead Guideline (Acute)** | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **FEQG Lead Guideline (Chronic)** | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Lithium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Magnesium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Manganese | mg/L | n/v | Equation*$_{EQ3,EQ4}^{DE}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **CCME Manganese Guideline (Chronic)** | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **CCME Manganese Guideline (Acute)** | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Mercury | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Methyl Mercury | µg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Molybdenum | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Nickel | mg/L | Equation*$_{s5}^{BC}$ | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **MSOG Nickel Guideline (Chronic)** | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **MSOG Nickel Guideline (Acute)** | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Phosphorus | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Potassium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Rubidium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Selenium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Silicon | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Silver | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Sodium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Strontium | mg/L | n/v | n/v | $2.5^{F}$ | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Sulfur | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Tellurium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Thallium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Thorium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Tin | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Titanium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Tungsten | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Uranium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Vanadium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zinc | mg/L | Equation*$_{s5}^{BC}$ | Equation*$_{EQ1,EQ2}^{DE}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **MSOG Zinc Guideline (Chronic)** | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **MSOG Zinc Guideline (Acute)** | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **CCME Zinc Guideline (Chronic)** | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **CCME Zinc Guideline (Acute)** | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zirconium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| Area | | | | | MacLellan | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Location** | | | | | KEE3-B2-A2-1 | | | | | | | KEE3-DOT3-1 | | | | | | | KEE3-PAY2-1 | | |
| **Sample Date** | | | | | 1-Mar-25 | 22-Mar-25 | 23-Apr-25 | 25-May-25 | 29-Oct-25 | 26-Nov-25 | 14-Dec-25 | 1-Mar-25 | 22-Mar-25 | 23-Apr-25 | 25-May-25 | 29-Oct-25 | 25-Nov-25 | 18-Dec-25 | 27-Feb-25 | 29-Oct-25 | 26-Nov-25 |
| **Sample ID** | | | | | KEE3-B2-A2-1 | KEE3-B2-A2-1 | KEE3-B2-A2-1 | KEE3-B2-A2-1 | KEE3-B2-A2-1 | KEE3-B2-A2-1 | KEE3-B2-A2-1 | KEE3-DOT3-1 | KEE3-DOT3-1 | KEE3-DOT3-1 | KEE3-DOT3-1 | KEE3-DOT3-1 | KEE3-DOT3-1 | KEE3-DOT3-1 | KEE3-PAY2-1 | KEE3-PAY2-1 | KEE3-PAY2-1 |
| **Sampling Company** | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| **Laboratory** | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| **Laboratory Work Order** | | | | | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 | FIELD2025 |
| **Laboratory Sample ID** | | | | | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD | FIELD |
| **Sample Type** | **Units** | **MSOG-FAL** | **CWQG-PAL** | **FEQG** | | | | | | | | | | | | | | | | | |
| **Metals, Total** | | | | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | $0.005/0.1_{VAR}^{C}$ | $0.005/0.1_{VAR1}^{E}$ | Equation*$_{s1}^{F}$ | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **FEQG Aluminum Guideline (Chronic)** | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Antimony | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Arsenic | mg/L | n/v | $0.005^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Barium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Beryllium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Bismuth | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Boron | mg/L | $29/1.5_{s3}^{C}$ | $29^{D}$ $1.5^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Cadmium | mg/L | n/v | $0.001_{STB}^{D}$ $0.00009_{LTG}^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **CCME Cadmium Guideline (Chronic)** | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **CCME Cadmium Guideline (Acute)** | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Calcium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Cesium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Chromium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Chromium (Hexavalent) | mg/L | n/v | $0.001^{E}$ | $0.005^{F}$ | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Cobalt | mg/L | n/v | n/v | Equation*$_{s4}^{F}$ | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **FEQG Cobalt Guideline (Chronic)** | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Copper | mg/L | n/v | Equation*$_{EQ6}^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **CWQG Copper Guideline (Chronic)** | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Iron | mg/L | $0.3^{C}$ | $0.3^{E}$ | Equation*$_{s5}^{F}$ | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **FEQG Iron Guideline (Chronic)** | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Lead | mg/L | n/v | Equation*$_{EQ5}^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **CWQG Lead Guideline (Chronic)** | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Lithium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Magnesium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Manganese | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Mercury | mg/L | $0.000026^{C}$ | $0.000026^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Methyl Mercury | µg/L | n/v | $0.004^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Molybdenum | mg/L | $0.073^{C}$ | $0.073^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Nickel | mg/L | n/v | Equation*$_{EQ7}^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **CWQG Nickel Guideline (Chronic)** | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Phosphorus | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Potassium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Rubidium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Selenium | mg/L | $0.001^{C}$ | $0.001^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Silicon | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Silver | mg/L | $0.0001^{C}$ | $0.00025^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Sodium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Strontium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Sulfur | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Tellurium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Thallium | mg/L | $0.0008^{C}$ | $0.0008^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Thorium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Tin | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Titanium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Tungsten | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Uranium | mg/L | $0.033/0.015_{s4}^{C}$ | $0.033^{D}$ $0.015^{E}$ | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Vanadium | mg/L | n/v | n/v | $0.12^{F}$ | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zinc | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zirconium | mg/L | n/v | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

See notes on last page.

# Table C.1-2: Summary of Surface Water Analytical Results
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

**Notes:**

| | |
|---|---|
| MSOG-FAL | Manitoba Provincial Water Quality Guidelines |
| $^{A}$ | Tier I - Water Quality Guidelines - Freshwater Aquatic Life |
| $^{B}$ | Tier II - Water Quality Guidelines - Freshwater Aquatic Life |
| $^{C}$ | Tier III - Water Quality Guidelines - Freshwater Aquatic Life |
| CWQG-PAL | Canadian Council of Ministers of the Environment |
| $^{D}$ | Canadian Environmental Quality Guidelines, Canadian Water Quality Guidelines for the Protection of Aquatic Life - Freshwater Aquatics Short Term |
| $^{E}$ | Canadian Environmental Quality Guidelines, Canadian Water Quality Guidelines for the Protection of Aquatic Life - Freshwater Aquatics Long Term |
| FEQG | Federal Environmental Quality Guidelines (FEQG) Summary Table, Version 2.0 (November 2024). |
| $^{F}$ | Summary Table for Water Quality Guidelines - Freshwater |
| **$6.5^{A}$** | Concentration exceeds the indicated standard. Where Acute and Chronic guidelines are both applied, the value exceeds only Chronic. |
| **$6.5^{A}$** | Concentration exceeds the indicated standard. Where Acute and Chronic guidelines are both applied, the value exceeds Acute and Chronic. |
| 15.2 | Measured concentration did not exceed the indicated standard. |
| ***<0.50*** | Laboratory reporting limit was greater than the applicable standard. |
| <0.03 | Analyte was not detected at a concentration greater than the laboratory reporting limit. |
| n/v | No standard/guideline value. |
| - | Parameter not analyzed / not available. |
| EQ1 | The short-term benchmark is for dissolved zinc and is calculated using the following equation: Benchmark = exp(0.833[ln(hardness mg L-1)] + 0.240[ln(DOC mg L-1)] + 0.526). The value in the table is for surface water of 50 mg CaCO3 L 1 hardness and 0.5 mg L 1 dissolved organic carbon (DOC). The benchmark equation is valid between hardness 13.8 and 250.5 mg CaCO3 L 1 and DOC 0.3 and 17.3 mg L 1. |
| EQ2 | The long-term CWQG is for dissolved zinc and is calculated using the following equation: CWQG = exp(0.947[ln(hardness mg L-1)] - 0.815[pH] + 0.398[ln(DOC mg L-1)] + 4.625). The value in the table is for surface water of 50 mg CaCO3 L 1 hardness, pH of 7.5 and 0.5 mg L 1 DOC. The CWQG equation is valid between hardness 23.4 and 399 mg CaCO3 L 1, pH 6.5 and 8.13 and DOC 0.3 to 22.9 mg L 1. |
| EQ3 | The short-term benchmark is calculated using the benchmark calculator in Appendix B of the Scientific Criteria Document for the Development of the Canadian Water Quality Guidelines for the Protection of Aquatic Life: Manganese or the following equation: Benchmark = exp(0.878[ln(hardness)] + 4.76) where the benchmark is expressed in dissolved manganese concentration ( g/L), and hardness is measured as CaCO3 equivalents in mg/L. The value in the table is for surface water of 50 mg/L hardness. The benchmark equation is valid between hardness 25 and 250 mg/L. |
| EQ4 | The long-term CWQG is found using the look-up table (see Table 5) or the CWQG and benchmark calculator is Appendix B of CCME (2019). The value in the table is for surface water of 50 mg/L hardness and pH of 7.5. The CWQG table is valid between hardness 25 and 670 mg/L and pH 5.8 and 8.4. |
| EQ5 | The CWQG for lead is related to water hardness. When the hardness is 0 to 60 mg/L, the CWQG is 1 g/L. At hardness >60 to 180 mg/L the CWQG is calculated using this equation: CWQG ( g/L)= e{1.273[ln(hardness)]-4.705}. At hardness >180 mg/L, the CWQG is 7 g/L. If the hardness is unknown, the CWQG is 1 g/L |
| EQ6 | The CWQG for copper is related to water hardness. When the water hardness is 0 to < 82 mg/L, the CWQG is 2 g/L. At hardness 82 to 180 mg/L the CWQG is calculated using this equation: CWQG ( g/L) = 0.2 * e{0.8545[ln(hardness)]-1.465}. At hardness >180 mg/L, the CWQG is 4 g/L. If the hardness is unknown, the CWQG is 2 g/L |
| EQ7 | The CWQG for nickel is related to water hardness. When the water hardness is 0 to 60 mg/L, the CWQG is 25 g/L. At hardness > 60 to 180 mg/L the CWQG is calculated using this equation: CWQG ( g/L) = e{0.76[ln(hardness)]+1.06}. At hardness >180 mg/L, the CWQG is 150 g/L. If the hardness is unknown, the CWQG is 25 g/L |
| Equation* | Total hardness was used where possible, and dissolved hardness as a second choice. |
| LTG | The CWQG for cadmium (i.e. long-term guideline) of 0.09 µg L-1 is for waters of 50 mg CaCO3 L-1 hardness. The CWQG for cadmium is related to water hardness (as CaCO3): When the water hardness is > 0 to < 17 mg/L, the CWQG is 0.04 g/L; at hardness 17 to 280 mg/L, the CWQG is calculated using this equation (CWQG ( g/L) = 10^{0.83(log[hardness]) – 2.46 }); At hardness > 280 mg/L, the CWQG is 0.37 g/L. |
| $\mathrm{s1}^{BC}$ | 5.2 ug/L for a 4 day averaging duration, 22 ug/L for a 1 hour averaging duration (from Tier II - Water Quality Objectives) |
| $\mathrm{s1}^{F}$ | Value calculated based in DOC, pH and Hardness. The FWQG equation is valid between hardness 10 and 430 mg/L, pH 6 and 8.7, and dissolved organic carbon (DOC) 0.08 and 12.3 mg/L. See Table 7 for FWQGs ( g/L) at various DOC, pH, and hardness. |
| $\mathrm{s2}^{BC}$ | 150 ug/L for a 4 day averaging duration, 340 ug/L for a 1 hour averaging duration (from Tier II - Water Quality Objectives) |
| $\mathrm{s2}^{F}$ | Value calculated using the Biotic Ligand Model Tool using Temperature, DOC, pH and Hardness. |
| $\mathrm{s3}^{C}$ | 29,000 ug/L short term exposure; 1,500 ug/L long term exposure. |
| $\mathrm{s3}^{F}$ | Value calculated based in DOC and Hardness. The FWQG equation is valid for DOC 0.2-31.5 mg/L and hardness 4.7-511 mg/L. See Table 7 for FWQGs ( g/L) for lead for the protection of aquatic life for selected DOC and hardness values. |
| s4 | 33 ug/L short term exposure; 15 ug/L long term exposure. |
| $\mathrm{s4}^{F}$ | Value calculated based in Hardness. The FWQG equation is valid for hardness 52-396 mg/L. See Table 7 for FWQGs ( g/L) for cobalt for the protection of aquatic life for selected hardness values. |
| $\mathrm{s5}^{BC}$ | Guideline varies depending on hardness. See Table 2 of Tier II - Water Quality Objectives guideline document for details. |
| $\mathrm{s5}^{F}$ | Value calculated based in DOC and pH. The FWQG equation is valid for DOC 0.3-10.9 mg/L and pH 6.0-8.5. See Table 7 for FWQGs ( g/L) for Iron for the protection of aquatic life for selected DOC and pH values. |
| $\mathrm{SN}^{BCE}$ | see Narrative |
| STB | The short-term benchmark concentration of 1.0 µg L-1 is for waters of 50 mg CaCO3 L-1 hardness. The short-term benchmark for cadmium is related to water hardness (as CaCO3): When the water hardness is 0 to < 5.3 mg/L, the short-term benchmark is 0.11 g/L, At hardness 5.3 to 360 mg/L, the short-term benchmark is calculated using this equation (Short-term benchmark ( g/L) = 10^{1.016(log[hardness]) – 1.71 }); At hardness > 360 mg/L, the short-term benchmark is 7.7 g/L. |
| $\mathrm{TBC}^{BC}$ | Ammonia is calculated using temperature and pH for cool type of water with water temperature >5 deg C or early life stages are present for the averaging duration of 30 days (MWS 2011). |
| TBC2 | To be calculated (equation), then the present guideline values (mg/L NH3) can be converted to mg/L total ammonia-N by multiplying the corresponding guideline value by 0.8224. |
| $\mathrm{VAR}^{C}$ | Variable, 5 µg/L if pH < 6.5 and 100 µg/L if pH > 6.5 |
| $\mathrm{VAR}^{E}$ | Lowest acceptable dissolved oxygen concentration: for warm water biota: early life stages = 6000 µg/L; for warm water biota: other life stages = 5500 µg/L; for cold water biota: early life stages = 9500 µg/L; for cold water biota: other life stages = 6500 µg/L |
| VAR1 | Variable, 5 µg/L if pH < 6.5 and 100 µg/L if pH > 6.5 |
| AHT | High TSS due to sediment resuspension. |
| DLB | Detection Limit Raised. Analyte detected at comparable level in Method Blank. |
| DLIS | Detection Limit Adjusted due to insufficient sample. |
| DLM | Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity). |
| DTC | Dissolved concentration exceeds total. Results were confirmed by re-analysis. |
| DTSE | Dissolved Se concentration exceeds total. Positive bias on D-Se suspected due to signal enhancement from volatile selenium species. Contact ALS if an alternative test to address this interference is needed. |
| HTD | Hold time exceeded for re-analysis or dilution, but initial testing was conducted within hold time. |
| NDO | Negative DO%; likely calibration error |
| RHT | Related to high TSS. |
| RRV | Reported result verified by repeat analysis. |
| SFP | Sample was filtered and preserved at the laboratory. |
| SFP6 | Reported result verified by repeat analysis. |
| SFT | Sample was filtered due to turbidity interference. Result reflects soluble analyte concentration. |
| SP | Sample was preserved at the laboratory |

*Table C.1-3 Summary of Surface Water QA/QC Results – 2025 RPDs*

## Table C.1-3: Summary of Surface Water QA/QC Results – 2025 RPDs
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| **Sample Location** | | **AQF2 - Surface** | | | | | | **AQF6 - Surface** | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Date** | | **22-Oct-25** | **22-Oct-25** | | **22-Nov-25** | **22-Nov-25** | | **23-Apr-25** | **23-Apr-25** | | **22-May-25** | **22-May-25** | |
| **Sample ID** | | **AQF2** | **QC-01** | | **AQF2** | **QC- 01** | | **AQF6 - surface** | **QC-01** | | **AQF6-surface** | **QC-01** | |
| **Sampling Company** | | **STANTEC** | **STANTEC** | | **STANTEC** | **STANTEC** | | **STANTEC** | **STANTEC** | | **STANTEC** | **STANTEC** | |
| **Laboratory** | | **ALS** | **ALS** | | **ALS** | **ALS** | | **ALS** | **ALS** | | **ALS** | **ALS** | |
| **Laboratory Work Order** | | **WP2518837** | **WP2518837** | | **WP2520511** | **WP2520511** | | **WP2505523** | **WP2505523** | | **WP2507298** | **WP2507298** | |
| **Laboratory Sample ID** | | **WP2518837-005** | **WP2518837-006** | **RPD** | **WP2520511-005** | **WP2520511-009** | **RPD** | **WP2505523-003** | **WP2505523-009** | **RPD** | **WP2507298-009** | **WP2507298-020** | **RPD** |
| **Sample Type** | **Units** | | **Field Duplicate** | **(%)** | | **Field Duplicate** | **(%)** | | **Field Duplicate** | **(%)** | | **Field Duplicate** | **(%)** |
| **General Chemistry** | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | 2.4 | 2.3 | nc | <2.0 | 2.1 | nc | 2.4 | 2.9 | nc | <2.0 | <2.0 | nc |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | 68.5 | 68.3 | 0% | 79.2 | 76.8 | 3% | 119 | 129 | 8% | 124 | 123 | 1% |
| Alkalinity, Carbonate (as CaCO3) | mg/L | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | 3.8 | 4.6 | nc |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc |
| Alkalinity, Phenolphthalein | mg/L | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | 2.3 | nc |
| Alkalinity, Total (as CaCO3) | mg/L | 68.5 | 68.3 | 0% | 79.2 | 76.8 | 3% | 119 | 129 | 8% | 128 | 128 | 0% |
| Ammonia (as N) | mg/L | 0.0068 | 0.0082 | nc | 0.0153 | 0.0106 | nc | 0.0335 | 0.0318 | 5% | 0.0077 | 0.0080 | nc |
| Bromide | mg/L | <0.10 | <0.10 | nc | <0.10 | <0.10 | nc | <0.10 | <0.10 | nc | <0.10 | <0.10 | nc |
| Chloride | mg/L | <0.50 | <0.50 | nc | <0.50 | 1.41 | nc | 0.87 | 1.30 | nc | 1.28 | 1.21 | nc |
| Cyanate | mg/L | <0.20 | <0.20 | nc | <0.20 | <0.20 | nc | <0.20 | 0.24 | nc | <0.20 | <0.20 | nc |
| Cyanide | mg/L | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc |
| Cyanide (Free) | mg/L | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | 0.0010 | nc | <0.0010 | <0.0010 | nc |
| Cyanide (Weak Acid Dissociable) | mg/L | <0.0010 | <0.0010 | nc | <0.0010 | 0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc |
| Dissolved Organic Carbon (DOC) | mg/L | 16.8 | 16.7 | 1% | 17.2 | 17.1 | 1% | 10.5 | 14.4 | **31%** | 8.67 | 7.34 | 17% |
| Electrical Conductivity, Lab | µS/cm | 142 | 142 | 0% | 158 | 163 | 3% | 304 | 265 | 14% | 358 | 357 | 0% |
| Fluoride | mg/L | 0.054 | 0.055 | nc | 0.069 | 0.071 | nc | 0.082 | 0.089 | nc | 0.087 | 0.087 | nc |
| Hardness (as CaCO3) | mg/L | 74.8 | 77.3 | 3% | 89.1 | 77.5 | 14% | - | - | - | - | - | - |
| Hardness (as CaCO3), dissolved | mg/L | 70.3 | 71.6 | 2% | 78.0 | 88.4 | 13% | 151 | 136 | 10% | 165 | 169 | 2% |
| Nitrate (as N) | mg/L | <0.020 | <0.020 | nc | <0.020 | 0.139 | nc | 0.086 | 0.070 | nc | 0.027 | 0.026 | nc |
| Nitrate + Nitrite (as N) | mg/L | <0.022 | <0.022 | nc | <0.022 | 0.139 | nc | 0.0860 | 0.0700 | nc | 0.0270 | 0.0260 | nc |
| Nitrite (as N) | mg/L | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc |
| pH, lab | S.U. | 7.95 | 7.93 | 0% | 7.83 | 7.67 | 2% | 7.85 | 7.70 | 2% | 8.33 | 8.36 | 0% |
| Phosphorus, Total | mg/L | 0.0119 | 0.0123 | 3% | 0.0140 | 0.0152 | 8% | 0.0132 | 0.0146 | 10% | 0.0057 | 0.0060 | nc |
| Phosphorus, Total (Dissolved) | mg/L | 0.0050 | 0.0049 | nc | 0.0052 | 0.0052 | nc | 0.0086 | 0.0096 | nc | 0.0022 | 0.0064 | nc |
| Sulfate | mg/L | 2.71 | 2.64 | 3% | 3.88 | 4.65 | 18% | 43.9 | 19.2 | **78%** | 61.8 | 61.6 | 0% |
| Thiocyanate | mg/L | 0.56 | 0.61 | nc | <0.50 | <0.50 | nc | <0.50 | 0.57 | nc | <0.50 | <0.50 | nc |
| Total Dissolved Solids | mg/L | 110 | 98.2 | 11% | 110 | 104 | 6% | 196 | 189 | 4% | 206 | 218 | 6% |
| Total Kjeldahl Nitrogen | mg/L | 0.530 | 0.510 | 4% | 0.626 | 0.637 | 2% | 0.318 | 0.464 | **37%** | 0.231 | 0.234 | nc |
| Total Organic Carbon | mg/L | 15.9 | 16.3 | 2% | 17.7 | 17.7 | 0% | 8.85 | 15.0 | **52%** | 7.36 | 7.08 | 4% |
| Total Suspended Solids | mg/L | <1.0 | <1.0 | nc | <1.0 | <1.0 | nc | <1.0 | 1.6 | nc | <1.0 | <1.0 | nc |
| Turbidity, Lab | NTU | 0.72 | 0.69 | 4% | 0.60 | 0.61 | 2% | 0.49 | 0.69 | nc | 0.47 | 0.56 | nc |
| **Metals, Dissolved** | | | | | | | | | | | | | |
| Aluminum | mg/L | 0.0040 | 0.0037 | nc | 0.0061 | 0.0060 | 2% | 0.0017 | 0.0078 | nc | 0.0016 | <0.0010 | nc |
| Antimony | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | 0.00015 | nc | <0.00010 | <0.00010 | nc |
| Arsenic | mg/L | 0.00028 | 0.00026 | nc | 0.00040 | 0.00038 | nc | 0.00145 | 0.00181 | **22%** | 0.00127 | 0.00128 | 1% |
| Barium | mg/L | 0.00758 | 0.00754 | 1% | 0.00863 | 0.00856 | 1% | 0.0137 | 0.0187 | **31%** | 0.0136 | 0.0132 | 3% |
| Beryllium | mg/L | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc |
| Bismuth | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Boron | mg/L | <0.010 | <0.010 | nc | 0.015 | <0.010 | nc | 0.014 | <0.010 | nc | 0.017 | 0.017 | nc |
| Cadmium | mg/L | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | 0.0000153 | nc | <0.0000050 | <0.0000050 | nc |
| Calcium | mg/L | 19.7 | 20.1 | 2% | 24.9 | 24.9 | 0% | 41.1 | 38.9 | 6% | 44.2 | 45.0 | 2% |
| Cesium | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | 0.000149 | 0.000142 | 5% | 0.000164 | 0.000145 | 12% |
| Chromium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Cobalt | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | 0.00021 | nc | <0.00010 | <0.00010 | nc |
| Copper | mg/L | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | 0.00088 | 0.00131 | nc | 0.00052 | 0.00053 | nc |
| Iron | mg/L | 0.072 | 0.070 | 3% | 0.083 | 0.083 | 0% | 0.074 | 0.087 | 16% | 0.018 | 0.018 | nc |
| Lead | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Lithium | mg/L | 0.0017 | 0.0018 | nc | 0.0025 | 0.0024 | nc | 0.0025 | 0.0026 | nc | 0.0026 | 0.0028 | nc |
| Magnesium | mg/L | 5.13 | 5.21 | 2% | 6.55 | 6.38 | 3% | 11.7 RRV | 9.48 | **21%** | 13.2 | 13.7 | 4% |
| Manganese | mg/L | 0.00129 | 0.00120 | 7% | 0.00334 | 0.00321 | 4% | 0.0290 | 0.277 | **162%** | 0.0120 | 0.0124 | 3% |
| Mercury | mg/L | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc |
| Methyl Mercury | µg/L | 0.000160 | 0.000174 | 8% | 0.000157 | - | - | 0.000096 | 0.000116 | nc | 0.000056 | 0.000037 | nc |
| Molybdenum | mg/L | 0.000092 | 0.000089 | nc | 0.000120 | 0.000110 | nc | 0.000336 RRV | 0.000270 | **22%** | 0.000364 | 0.000366 | 1% |
| Nickel | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | 0.00050 | 0.00129 | nc | <0.00050 | <0.00050 | nc |
| Phosphorus | mg/L | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc |
| Potassium | mg/L | 0.770 | 0.768 | 0% | 0.933 | 0.945 | 1% | 3.42 RRV | 2.37 | **36%** | 3.51 | 3.56 | 1% |
| Rubidium | mg/L | 0.00086 | 0.00091 | nc | 0.00098 | 0.00095 | nc | 0.00274 RRV | 0.00229 | 18% | 0.00294 | 0.00281 | 5% |
| Selenium | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | 0.000076 | nc | <0.000050 | 0.000052 | nc | <0.000050 | <0.000050 | nc |
| Silicon | mg/L | 2.34 | 2.32 | 1% | 2.90 | 2.86 | 1% | 3.39 | 3.06 | 10% | 3.39 | 3.47 | 2% |
| Silver | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Sodium | mg/L | 1.89 | 1.84 | 3% | 2.80 | 2.70 | 4% | 6.24 RRV | 4.90 | **24%** | 7.48 | 7.64 | 2% |
| Strontium | mg/L | 0.0351 | 0.0346 | 1% | 0.0393 | 0.0396 | 1% | 0.0976 | 0.0784 | **22%** | 0.108 | 0.102 | 6% |
| Sulfur | mg/L | 1.25 | 1.80 | nc | 1.98 | 1.70 | nc | 14.8 RRV | 6.30 | **81%** | 22.5 | 23.2 | 3% |
| Tellurium | mg/L | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc |
| Thallium | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Thorium | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Tin | mg/L | <0.00010 | 0.00015 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Titanium | mg/L | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc |
| Tungsten | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Uranium | mg/L | 0.000018 | 0.000016 | nc | 0.000021 | 0.000019 | nc | 0.000868 RRV | 0.000352 | **85%** | 0.00107 | 0.00104 | 3% |
| Vanadium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Zinc | mg/L | 0.0020 | <0.0010 | nc | 0.0015 | 0.0012 | nc | 0.0023 | 0.0024 | nc | <0.0010 | <0.0010 | nc |
| Zirconium | mg/L | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc |
| **Metals, Total** | | | | | | | | | | | | | |
| Aluminum | mg/L | 0.0087 | 0.0084 | nc | 0.0087 | 0.0099 | nc | 0.0110 | 0.0264 | nc | 0.0533 | 0.0092 | nc |
| Antimony | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | 0.00030 | nc | <0.00010 | <0.00010 | nc |
| Arsenic | mg/L | 0.00029 | 0.00029 | nc | 0.00029 | 0.00033 | nc | 0.00138 | 0.00195 | **34%** | 0.00139 | 0.00144 | 4% |
| Barium | mg/L | 0.00780 | 0.00783 | 0% | 0.00855 | 0.00884 | 3% | 0.0109 | 0.0186 | **52%** | 0.0141 | 0.0137 | 3% |
| Beryllium | mg/L | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | 0.000044 | nc |
| Bismuth | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Boron | mg/L | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | 0.016 | <0.010 | nc | 0.017 | 0.017 | nc |
| Cadmium | mg/L | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | 0.0000214 | nc | <0.0000050 | 0.0000081 | nc |
| Calcium | mg/L | 21.2 | 22.3 | 5% | 20.8 | 20.7 | 0% | 31.1 | 34.7 | 11% | 45.6 | 44.2 | 3% |
| Cesium | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | 0.000126 | 0.000151 | 18% | 0.000161 | 0.000170 | 5% |
| Chromium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 RRV | 0.00086 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Chromium (Hexavalent) | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | 0.00053 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Cobalt | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | 0.00023 | nc | <0.00010 | <0.00010 | nc |
| Copper | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | 0.00060 | 0.00152 | nc | 0.00060 | 0.00057 | nc |
| Iron | mg/L | 0.130 | 0.136 | 5% | 0.114 | 0.119 | 4% | 0.130 | 0.150 | 14% | 0.072 | 0.071 | 1% |
| Lead | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | 0.000081 | nc | <0.000050 | <0.000050 | nc |
| Lithium | mg/L | 0.0018 | 0.0020 | nc | 0.0017 | 0.0017 | nc | 0.0015 | 0.0017 | nc | 0.0024 | 0.0027 | nc |
| Magnesium | mg/L | 5.32 | 5.26 | 1% | 6.32 | 6.28 | 1% | 8.26 | 9.55 | 14% | 13.0 | 13.0 | 0% |
| Manganese | mg/L | 0.00725 | 0.00710 | 2% | 0.00435 | 0.00462 | 6% | 0.0338 | 0.281 | **157%** | 0.0167 | 0.0169 | 1% |
| Mercury | mg/L | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc |
| Methyl Mercury | µg/L | 0.000171 | 0.000174 | 2% | 0.000178 | - | - | 0.000066 | 0.000089 | nc | 0.000044 | 0.000040 | nc |
| Molybdenum | mg/L | 0.000130 | 0.000105 | nc | 0.000108 | 0.000118 | nc | 0.000230 | 0.000279 | nc | 0.000375 | 0.000428 | 13% |
| Nickel | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | 0.00144 | nc | <0.00050 | <0.00050 | nc |
| Phosphorus | mg/L | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc |
| Potassium | mg/L | 0.796 | 0.789 | 1% | 0.925 | 0.916 | 1% | 2.21 | 2.44 | 10% | 3.56 | 3.46 | 3% |
| Rubidium | mg/L | 0.00087 | 0.00092 | nc | 0.00102 | 0.00094 | nc | 0.00196 | 0.00230 | 16% | 0.00309 | 0.00300 | 3% |
| Selenium | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | 0.000065 | nc | <0.000050 | <0.000050 | nc | <0.000050 | 0.000133 | nc |
| Silicon | mg/L | 2.42 | 2.39 | 1% | 2.94 | 2.90 | 1% | 2.62 | 3.22 | **21%** | 3.31 | 3.31 | 0% |
| Silver | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Sodium | mg/L | 1.94 | 1.94 | 0% | 2.22 | 2.88 | **26%** | 4.25 | 4.74 | 11% | 6.89 | 8.09 | 16% |
| Strontium | mg/L | 0.0346 | 0.0339 | 2% | 0.0378 | 0.0372 | 2% | 0.0726 | 0.0737 | 2% | 0.109 | 0.103 | 6% |
| Sulfur | mg/L | 1.32 | 1.44 | nc | 1.69 | 1.68 | nc | 10.5 | 6.51 | **47%** | 20.5 | 21.3 | 4% |
| Tellurium | mg/L | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc |
| Thallium | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Thorium | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Tin | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Titanium | mg/L | 0.00032 | 0.00031 | nc | 0.00033 | 0.00040 | nc | <0.00030 | 0.00066 | nc | 0.00036 | 0.00050 | nc |
| Tungsten | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Uranium | mg/L | 0.000018 | 0.000017 | nc | 0.000021 | 0.000020 | nc | 0.000605 | 0.000325 | **60%** | 0.00107 | 0.00113 | 5% |
| Vanadium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Zinc | mg/L | <0.0030 | <0.0030 | nc | <0.0030 | <0.0030 | nc | <0.0030 | 0.0031 | nc | <0.0030 | <0.0030 | nc |
| Zirconium | mg/L | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc |

See notes on last page

# Table C.1-3: Summary of Surface Water QA/QC Results – 2025 RPDs
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| Sample Location | | AQF9 - Surface | | | AQF11 - Surface | | | AQF12 - Surface | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Date | | 27-Feb-25 | 27-Feb-25 | | 26-Oct-25 | 26-Oct-25 | | 24-Apr-25 | 24-Apr-25 | | 24-Nov-25 | 24-Nov-25 | | 16-Dec-25 | 16-Dec-25 | |
| Sample ID | | AQF9 | QC - 03 | | AQF11 | QC-04 | | AQF12 | QC-03 | | AQF12 | QC-03 | | AQF12 | QC-03 | |
| Sampling Company | | STANTEC | STANTEC | | STANTEC | STANTEC | | STANTEC | STANTEC | | STANTEC | STANTEC | | STANTEC | STANTEC | |
| Laboratory | | ALS | ALS | | ALS | ALS | | ALS | ALS | | ALS | ALS | | ALS | ALS | |
| Laboratory Work Order | | WP2502751 | WP2502751 | | WP2518837 | WP2518837 | | WP2505523 | WP2505523 | | WP2520511 | WP2520511 | | WP2521634 | WP2521634 | |
| Laboratory Sample ID | | WP2502751-024 | WP2502751-025 | RPD (%) | WP2518837-043 | WP2518837-044 | RPD (%) | WP2505523-023 | WP2505523-029 | RPD (%) | WP2520511-026 | WP2520511-031 | RPD (%) | WP2521634-004 | WP2521634-007 | RPD (%) |
| Sample Type | Units | | Field Duplicate | | | Field Duplicate | | | Field Duplicate | | | Field Duplicate | | | Field Duplicate | |
| **General Chemistry** | | | | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | 12.0 | 11.5 | 4% | 2.5 | <2.0 | nc | <2.0 | <2.0 | nc | 3.3 | 2.6 | nc | 4.2 | 2.6 | nc |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | 156 | 156 | 0% | 43.1 | 42.9 | 0% | 14.5 | 18.6 | **25%** | 43.6 | 43.1 | 1% | 42.8 | 46.5 | 8% |
| Alkalinity, Carbonate (as CaCO3) | mg/L | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc |
| Alkalinity, Phenolphthalein | mg/L | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc |
| Alkalinity, Total (as CaCO3) | mg/L | 156 | 156 | 0% | 43.1 | 42.9 | 0% | 14.5 | 18.6 | **25%** | 43.6 | 43.1 | 1% | 42.8 | 46.5 | 8% |
| Ammonia (as N) | mg/L | 0.287 | 0.268 | 7% | 0.0147 | 0.0326 | nc | 0.156 | 0.143 | 9% | 0.0202 | 0.0124 | nc | 0.0386 | 0.0512 | **28%** |
| Bromide | mg/L | <0.10 | <0.10 | nc | <0.10 | <0.10 | nc | <0.10 | <0.10 | nc | <0.10 | <0.10 | nc | <0.10 | <0.10 | nc |
| Chloride | mg/L | 1.36 | 1.07 | nc | <0.50 | <0.50 | nc | <0.50 | 0.76 | nc | <0.50 | <0.50 | nc | <0.50 | <0.50 | nc |
| Cyanate | mg/L | 0.20 | <0.20 | nc | <0.20 | <0.20 | nc | <0.20 | <0.20 | nc | <0.20 | <0.20 | nc | <0.20 | <0.20 | nc |
| Cyanide | mg/L | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc |
| Cyanide (Free) | mg/L | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc |
| Cyanide (Weak Acid Dissociable) | mg/L | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc |
| Dissolved Organic Carbon (DOC) | mg/L | 15.7 | 16.9 | 7% | 15.2 | 14.5 | 5% | 6.54 | 6.97 | 6% | 21.5 | 21.6 | 0% | 20.5 | 21.7 | 6% |
| Electrical Conductivity, Lab | µS/cm | 352 | 351 | 0% | 90.3 | 90.5 | 0% | 31.4 | 43.7 | **33%** | 96.2 | 97.5 | 1% | 89.7 | 97.2 | 8% |
| Fluoride | mg/L | 0.089 | 0.088 | nc | 0.087 | 0.086 | nc | 0.042 | 0.041 | nc | 0.076 | 0.076 | nc | 0.075 | 0.077 | nc |
| Hardness (as CaCO3) | mg/L | - | - | - | 44.4 | 45.9 | 3% | - | - | - | 46.0 | 47.6 | 3% | 53.6 | 55.2 | 3% |
| Hardness (as CaCO3), dissolved | mg/L | 161 | 163 | 1% | 45.3 | 45.0 | 1% | 18.7 | 18.5 | 1% | 51.6 | 51.1 | 1% | 51.2 | 52.1 | 2% |
| Nitrate (as N) | mg/L | 0.090 | 0.025 | nc | 0.025 | 0.023 | nc | 0.043 | 0.050 | nc | <0.020 | <0.020 | nc | 0.036 | 0.100 | nc |
| Nitrate + Nitrite (as N) | mg/L | 0.0900 | 0.0250 | nc | 0.0250 | 0.0230 | nc | 0.0430 | 0.0500 | nc | <0.022 | <0.022 | nc | 0.0360 | 0.100 | nc |
| Nitrite (as N) | mg/L | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc |
| pH, lab | S.U. | 7.45 | 7.45 | 0% | 7.79 | 7.78 | 0% | 7.29 | 7.32 | 0% | 7.53 | 7.54 | 0% | 7.27 | 7.25 | 0% |
| Phosphorus, Total | mg/L | 0.0267 | 0.0271 | 1% | 0.0206 | 0.0207 | 0% | 0.0143 | 0.0104 | **32%** | 0.0334 | 0.0296 | 12% | 0.0415 | 0.0370 | 11% |
| Phosphorus, Total (Dissolved) | mg/L | - | - | - | 0.0071 | 0.0082 | nc | 0.0034 | 0.0042 | nc | 0.0077 | 0.0078 | nc | 0.0025 | 0.0082 | nc |
| Sulfate | mg/L | 30.2 | 29.7 | 2% | 0.55 | 0.68 | nc | 0.39 | 0.87 | nc | 2.90 | 2.99 | 3% | 2.76 | 2.92 | 6% |
| Thiocyanate | mg/L | <0.50 | <0.50 | nc | <0.50 | 0.51 | nc | <0.50 | <0.50 | nc | 0.62 | 0.73 | nc | 0.71 | 0.57 | nc |
| Total Dissolved Solids | mg/L | 223 | 231 | 4% | 57.7 | 66.3 | 14% | 17.0 | 24.6 | **37%** | 88.0 | 78.3 | 12% | 59.0 | 66.0 | 11% |
| Total Kjeldahl Nitrogen | mg/L | 0.868 | 0.844 | 3% | 0.514 | 0.510 | 1% | 0.575 | 0.434 | **28%** | 1.06 | 0.991 | 7% | 1.29 | 1.09 | 17% |
| Total Organic Carbon | mg/L | 16.8 | 16.4 | 2% | 14.2 | 14.1 | 1% | 8.56 | 6.17 | **32%** | 23.0 | 23.9 | 4% | 23.3 | 23.8 | 2% |
| Total Suspended Solids | mg/L | 2.7 | 2.7 | nc | <1.0 | <1.0 | nc | 2.6 | 3.7 | nc | 2.2 | 4.9 | nc | 10.2 | 6.2 | **49%** |
| Turbidity, Lab | NTU | 2.28 | 2.34 | 3% | 1.28 | 1.20 | 6% | 0.98 | 1.41 | **36%** | 1.79 | 2.40 | **29%** | 2.40 | 2.06 | 15% |
| **Metals, Dissolved** | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | 0.0082 | 0.0079 | 4% | 0.0097 | 0.0091 | 6% | 0.0058 | 0.0057 | 2% | 0.0353 | 0.0347 | 2% | 0.0353 | 0.0349 | 1% |
| Antimony | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Arsenic | mg/L | 0.00111 | 0.00116 | 4% | 0.00025 | 0.00023 | nc | <0.00010 | <0.00010 | nc | 0.00022 | 0.00022 | nc | 0.00023 | 0.00023 | nc |
| Barium | mg/L | 0.0281 | 0.0271 | 4% | 0.00699 | 0.00696 | 0% | 0.00648 | 0.00674 | 4% | 0.00999 | 0.0101 | 1% | 0.0109 | 0.0111 | 2% |
| Beryllium | mg/L | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc |
| Bismuth | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Boron | mg/L | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc |
| Cadmium | mg/L | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | 0.0000078 | 0.0000060 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | 0.0000062 | nc |
| Calcium | mg/L | 44.5 | 45.3 | 2% | 12.3 | 12.3 | 0% | 5.88 | 5.87 | 0% | 13.7 | 13.7 | 0% | 14.0 | 14.2 | 1% |
| Cesium | mg/L | 0.000047 | 0.000047 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Chromium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Cobalt | mg/L | 0.00011 | 0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Copper | mg/L | 0.00080 | <0.00020 | nc | 0.00040 | 0.00031 | nc | 0.00021 | 0.00058 | nc | 0.00041 | 0.00031 | nc | 0.00032 | 0.00029 | nc |
| Iron | mg/L | 0.766 | 0.773 | 1% | 0.047 | 0.050 | nc | 0.231 | 0.213 | 8% | 0.065 | 0.086 | **28%** | 0.079 | 0.068 | 15% |
| Lead | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Lithium | mg/L | 0.0026 | 0.0026 | nc | 0.0011 | 0.0012 | nc | <0.0010 | <0.0010 | nc | 0.0025 | 0.0026 | nc | 0.0020 | 0.0020 | nc |
| Magnesium | mg/L | 12.2 | 12.1 | 1% | 3.55 | 3.48 | 2% | 0.974 | 0.941 | 3% | 4.22 | 4.09 | 3% | 3.95 | 4.05 | 3% |
| Manganese | mg/L | 0.451 | 0.464 | 3% | 0.00294 | 0.00291 | 1% | 0.0910 | 0.0854 | 6% | 0.00136 | 0.00401 RRV | **99%** | 0.0108 | 0.00839 | **25%** |
| Mercury | mg/L | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 SFP | <0.0000050 SFP | nc |
| Methyl Mercury | µg/L | 0.00100 | 0.00147 | nc | - | - | - | 0.000441 | 0.000312 | **34%** | - | - | - | - | - | - |
| Molybdenum | mg/L | 0.000123 | 0.000115 | nc | 0.00122 | 0.00130 | 6% | 0.00202 | 0.00197 RRV | 3% | 0.00855 | 0.00812 | 5% | 0.00826 | 0.00841 | 2% |
| Nickel | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Phosphorus | mg/L | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc |
| Potassium | mg/L | 2.95 | 3.01 | 2% | 0.827 | 0.814 | 2% | 0.297 | 0.275 | 8% | 0.986 | 0.967 | 2% | 1.02 | 1.01 | 1% |
| Rubidium | mg/L | 0.00272 | 0.00284 | 4% | 0.00093 | 0.00085 | nc | 0.00030 | 0.00027 | nc | 0.00128 | 0.00117 | 9% | 0.00128 | 0.00126 | 2% |
| Selenium | mg/L | 0.000059 | 0.000056 | nc | <0.000050 | <0.000050 | nc | <0.000050 | 0.000061 | nc | 0.000076 | 0.000105 | nc | <0.000050 | <0.000050 | nc |
| Silicon | mg/L | 4.27 | 4.26 | 0% | 2.42 | 2.52 | 4% | 0.714 | 0.667 | 7% | 1.75 | 1.75 | 0% | 2.00 | 2.04 | 2% |
| Silver | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Sodium | mg/L | 6.59 | 6.54 | 1% | 1.85 | 1.77 | 4% | 0.677 | 0.712 | 5% | 2.26 | 2.30 | 2% | 2.24 | 2.30 | 3% |
| Strontium | mg/L | 0.100 | 0.104 | 4% | 0.0249 | 0.0256 | 3% | 0.0128 | 0.0126 | 2% | 0.0301 | 0.0290 | 4% | 0.0288 | 0.0290 | 1% |
| Sulfur | mg/L | 10.7 | 10.4 | 3% | <0.50 | <0.50 | nc | <0.50 | <0.50 | nc | 1.55 | 1.62 | nc | 1.29 | 1.25 | nc |
| Tellurium | mg/L | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc |
| Thallium | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Thorium | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Tin | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | 0.00014 | nc | <0.00010 | 0.00011 | nc | <0.00010 | <0.00010 | nc |
| Titanium | mg/L | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc | 0.00043 | 0.00034 | nc | 0.00041 | 0.00045 | nc |
| Tungsten | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Uranium | mg/L | 0.000312 | 0.000311 | 0% | 0.000061 | 0.000064 | 5% | <0.000010 | <0.000010 | nc | 0.000026 | 0.000027 | nc | 0.000026 | 0.000028 | nc |
| Vanadium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Zinc | mg/L | 0.0026 | <0.0010 | nc | 0.0019 | <0.0010 | nc | 0.0013 | 0.0018 | nc | <0.0010 | <0.0010 | nc | 0.0019 | 0.0012 | nc |
| Zirconium | mg/L | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc |
| **Metals, Total** | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | 0.0852 | 0.0610 | **33%** | 0.0216 | 0.0252 | 15% | 0.0378 | 0.0928 | **84%** | 0.0392 | 0.0405 | 3% | 0.0518 | 0.0540 | 4% |
| Antimony | mg/L | <0.00010 | 0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Arsenic | mg/L | 0.00117 | 0.00129 | 10% | 0.00030 | 0.00029 | nc | 0.00011 | 0.00013 | nc | 0.00022 | 0.00027 | nc | 0.00028 | 0.00027 | nc |
| Barium | mg/L | 0.0284 | 0.0288 | 1% | 0.00729 | 0.00723 | 1% | 0.00744 | 0.00650 | 13% | 0.0108 | 0.0113 | 5% | 0.0117 | 0.0119 | 2% |
| Beryllium | mg/L | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc |
| Bismuth | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Boron | mg/L | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc |
| Cadmium | mg/L | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | 0.0000055 | 0.0000104 | nc | 0.0000053 | 0.0000146 | nc | 0.0000078 | 0.0000088 | nc |
| Calcium | mg/L | 42.8 | 46.6 | 9% | 11.8 | 12.6 | 7% | 6.64 | 5.35 | **22%** | 11.8 | 12.2 | 3% | 14.5 | 15.1 | 4% |
| Cesium | mg/L | 0.000053 | 0.000056 | 6% | <0.000010 | <0.000010 | nc | <0.000010 | 0.000013 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Chromium | mg/L | <0.00050 | 0.00121 | nc | <0.00050 | <0.00050 | nc | <0.00050 RRV | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Chromium (Hexavalent) | mg/L | <0.00050 | 0.00102 | nc | <0.00050 | <0.00050 | nc | 0.00114 RRV | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Cobalt | mg/L | 0.00015 | 0.00016 | nc | <0.00010 | <0.00010 | nc | <0.00010 | 0.00014 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Copper | mg/L | 0.00053 | 0.00053 | nc | <0.00050 | <0.00050 | nc | <0.00050 | 0.00057 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Iron | mg/L | 0.960 | 0.957 | 0% | 0.120 | 0.133 | 10% | 0.452 | 0.365 | **21%** | 0.072 | 0.076 | 5% | 0.092 | 0.096 | 4% |
| Lead | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | 0.000159 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Lithium | mg/L | 0.0024 | 0.0026 | nc | 0.0012 | 0.0013 | nc | <0.0010 | <0.0010 | nc | 0.0012 | 0.0014 | nc | 0.0022 | 0.0026 | nc |
| Magnesium | mg/L | 13.3 | 12.9 | 3% | 3.62 | 3.51 | 3% | 1.10 | 0.860 | **24%** | 4.02 | 4.17 | 4% | 4.23 | 4.26 | 1% |
| Manganese | mg/L | 0.506 | 0.484 | 4% | 0.0132 | 0.0138 | 4% | 0.0999 | 0.0757 | **28%** | 0.00208 | 0.00246 | 17% | 0.00979 | 0.00926 | 6% |
| Mercury | mg/L | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc |
| Methyl Mercury | µg/L | 0.00133 | 0.00134 | 1% | - | - | - | 0.000502 | 0.000381 | **27%** | - | - | - | - | - | - |
| Molybdenum | mg/L | 0.000169 | 0.000190 | nc | 0.00127 | 0.00125 | 2% | 0.00236 | 0.00135 | **54%** | 0.00806 | 0.00827 | 3% | 0.00894 | 0.00898 | 0% |
| Nickel | mg/L | <0.00050 | 0.00052 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Phosphorus | mg/L | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc |
| Potassium | mg/L | 3.25 | 3.25 | 0% | 0.804 | 0.803 | 0% | 0.316 | 0.223 | nc | 0.967 | 1.00 | 3% | 1.02 | 1.02 | 0% |
| Rubidium | mg/L | 0.00296 | 0.00295 | 0% | 0.00085 | 0.00109 | nc | 0.00037 | 0.00041 | nc | 0.00126 | 0.00125 | 1% | 0.00143 | 0.00140 | 2% |
| Selenium | mg/L | 0.000059 | 0.000086 | nc | 0.000064 | <0.000050 | nc | 0.000067 | <0.000050 | nc | 0.000053 | 0.000074 | nc | 0.000057 | <0.000050 | nc |
| Silicon | mg/L | 4.57 | 4.56 | 0% | 2.38 | 2.46 | 3% | 0.99 | 0.72 | **32%** | 1.77 | 1.77 | 0% | 2.08 | 2.13 | 2% |
| Silver | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Sodium | mg/L | 7.35 | 6.93 | 6% | 1.83 | 1.84 | 1% | 0.750 | 0.734 | 2% | 2.11 | 2.23 | 6% | 2.24 | 2.34 | 4% |
| Strontium | mg/L | 0.0965 | 0.0972 | 1% | 0.0240 | 0.0247 | 3% | 0.0142 | 0.0213 | **40%** | 0.0284 | 0.0287 | 1% | 0.0303 | 0.0309 | 2% |
| Sulfur | mg/L | 11.1 | 10.9 | 2% | <0.50 | 0.53 | nc | <0.50 | 0.72 | nc | 1.36 | 1.31 | nc | 1.30 | 1.30 | nc |
| Tellurium | mg/L | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc |
| Thallium | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Thorium | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Tin | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Titanium | mg/L | 0.00397 | 0.00297 | **29%** | 0.00058 | 0.00086 | nc | 0.00087 | 0.00387 | nc | 0.00056 | 0.00055 | nc | 0.00089 | 0.00085 | nc |
| Tungsten | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Uranium | mg/L | 0.000340 | 0.000302 | 12% | 0.000077 | 0.000076 | 1% | 0.000013 | 0.000013 | nc | 0.000029 | 0.000031 | nc | 0.000034 | 0.000036 | nc |
| Vanadium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Zinc | mg/L | <0.0030 | <0.0030 | nc | <0.0030 | 0.232 | nc | <0.0030 | 0.0079 | nc | <0.0030 | <0.0030 | nc | 0.0030 | <0.0030 | nc |
| Zirconium | mg/L | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc |

See notes on last page

# Table C.1-3: Summary of Surface Water QA/QC Results – 2025 RPDs
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Sample Location | | AQF15 - Surface | | | | | | | | | AQF33 - Surface | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Date | | 20-Mar-25 | 20-Mar-25 | | 24-Apr-25 | 24-Apr-25 | | 23-May-25 | 23-May-25 | | 16-Dec-25 | 16-Dec-25 | |
| Sample ID | | AQF15 | QC - 03 | | AQF15 | QC-02 | | AQF15 | QC-02 | | AQF33 | QC-02 | |
| Sampling Company | | STANTEC | STANTEC | | STANTEC | STANTEC | | STANTEC | STANTEC | | STANTEC | STANTEC | |
| Laboratory | | ALS | ALS | | ALS | ALS | | ALS | ALS | | ALS | ALS | |
| Laboratory Work Order | | WP2503851 | WP2503851 | | WP2505523 | WP2505523 | | WP2507298 | WP2507298 | | WP2521634 | WP2521634 | |
| Laboratory Sample ID | | WP2503851-022 | WP2503851-032 | RPD | WP2505523-019 | WP2505523-028 | RPD | WP2507298-017 | WP2507298-021 | RPD | WP2521634-005 | WP2521634-008 | RPD |
| Sample Type | Units | | Field Duplicate | (%) | | Field Duplicate | (%) | | Field Duplicate | (%) | | Field Duplicate | (%) |
| **General Chemistry** | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | 5.5 | 4.4 | nc | <2.0 | 3.0 | nc | 2.6 | <2.0 | nc | 2.1 | 2.8 | nc |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | 67.1 | 74.5 | 10% | 66.0 | 65.2 | 1% | 57.7 | 58.6 | 2% | 100 | 97.2 | 3% |
| Alkalinity, Carbonate (as CaCO3) | mg/L | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc |
| Alkalinity, Phenolphthalein | mg/L | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc |
| Alkalinity, Total (as CaCO3) | mg/L | 67.1 | 74.5 | 10% | 66.0 | 65.2 | 1% | 57.7 | 58.6 | 2% | 100 | 97.2 | 3% |
| Ammonia (as N) | mg/L | 0.0116 | 0.0084 | nc | 0.0115 | 0.0156 | nc | 0.0074 | 0.0086 | nc | 0.0542 | 0.0587 | 8% |
| Bromide | mg/L | <0.10 | <0.10 | nc | <0.10 | <0.10 | nc | <0.10 | <0.10 | nc | <0.10 | <0.10 | nc |
| Chloride | mg/L | 1.09 | 1.25 | nc | 0.68 | 0.69 | nc | 0.63 | 0.61 | nc | 0.72 | 0.74 | nc |
| Cyanate | mg/L | <0.20 | <0.20 | nc | <0.20 | <0.20 | nc | <0.20 | <0.20 | nc | <0.20 | <0.20 | nc |
| Cyanide | mg/L | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc |
| Cyanide (Free) | mg/L | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc |
| Cyanide (Weak Acid Dissociable) | mg/L | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc |
| Dissolved Organic Carbon (DOC) | mg/L | 13.9 | 12.4 | 11% | 13.3 | 12.6 | 5% | 12.2 | 10.9 | 11% | 15.8 | 14.5 | 9% |
| Electrical Conductivity, Lab | µS/cm | 154 | 166 | 8% | 148 | 147 | 1% | 133 | 133 | 0% | 236 | 231 | 2% |
| Fluoride | mg/L | 0.100 | 0.102 | 2% | 0.097 | 0.096 | nc | 0.083 | 0.082 | nc | 0.089 | 0.089 | nc |
| Hardness (as CaCO3) | mg/L | - | - | - | - | - | - | - | - | - | 114 | 120 | 5% |
| Hardness (as CaCO3), dissolved | mg/L | 70.8 | 66.5 | 6% | 67.0 | 68.4 | 2% | 63.8 | 64.4 | 1% | 111 | 115 | 4% |
| Nitrate (as N) | mg/L | 0.183 | 0.179 | 2% | 0.182 | 0.172 | 6% | <0.020 | <0.020 | nc | 0.076 | 0.064 | nc |
| Nitrate + Nitrite (as N) | mg/L | 0.183 | 0.179 | 2% | 0.182 | 0.172 | 6% | <0.0224 | <0.0224 | nc | 0.0760 | 0.0640 | nc |
| Nitrite (as N) | mg/L | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc |
| pH, lab | S.U. | 7.60 | 8.10 | 6% | 7.57 | 7.62 | 1% | 8.01 | 8.02 | 0% | 7.71 | 7.79 | 1% |
| Phosphorus, Total | mg/L | 0.0189 | 0.0229 | 19% | 0.0174 | 0.0160 | 8% | 0.0147 | 0.0166 | 12% | 0.0235 | 0.0147 | **46%** |
| Phosphorus, Total (Dissolved) | mg/L | 0.0138 | 0.0139 | 1% | 0.0085 | 0.0083 | nc | 0.0063 | 0.0063 | nc | 0.0091 | 0.0117 | nc |
| Sulfate | mg/L | 7.95 | 7.88 | 1% | 7.58 | 7.48 | 1% | 7.28 | 7.35 | 1% | 31.6 | 31.2 | 1% |
| Thiocyanate | mg/L | <0.50 | <0.50 | nc | <0.50 | 0.54 | nc | <0.50 | <0.50 | nc | <0.50 | <0.50 | nc |
| Total Dissolved Solids | mg/L | 102 | 121 | 17% | 102 | 106 | 4% | 81.9 | 77.9 | 5% | 138 | 160 | 15% |
| Total Kjeldahl Nitrogen | mg/L | 0.507 | 0.502 | 1% | 0.515 | 0.505 | 2% | 0.421 | 0.453 | 7% | 0.601 | 0.610 | 1% |
| Total Organic Carbon | mg/L | 13.0 | 12.7 | 2% | 12.6 | 12.6 | 0% | 11.5 | 11.7 | 2% | 15.6 | 15.2 | 3% |
| Total Suspended Solids | mg/L | <1.0 | <1.0 | nc | 1.1 | 1.4 | nc | 1.5 | 1.4 | nc | <1.0 | <1.0 | nc |
| Turbidity, Lab | NTU | 0.86 | 1.01 | 16% | 0.97 | 0.69 | **34%** | 1.41 | 1.28 | 10% | 0.33 | 0.35 | nc |
| **Metals, Dissolved** | | | | | | | | | | | | | |
| Aluminum | mg/L | 0.0027 | 0.0031 | nc | 0.0030 | 0.0025 | nc | 0.0049 | 0.0061 | nc | 0.0036 | 0.0056 | nc |
| Antimony | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Arsenic | mg/L | 0.00038 | 0.00034 | nc | 0.00040 | 0.00038 | nc | 0.00032 | 0.00033 | nc | 0.00067 | 0.00065 | 3% |
| Barium | mg/L | 0.0106 | 0.00965 | 9% | 0.00986 | 0.00923 | 7% | 0.00737 | 0.00726 | 2% | 0.0154 | 0.0154 | 0% |
| Beryllium | mg/L | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc |
| Bismuth | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Boron | mg/L | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc |
| Cadmium | mg/L | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc |
| Calcium | mg/L | 18.7 | 17.6 | 6% | 17.6 | 17.9 | 2% | 16.3 | 16.4 | 1% | 29.2 | 30.9 | 6% |
| Cesium | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Chromium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Cobalt | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Copper | mg/L | 0.00042 | 0.00041 | nc | 0.00048 | 0.00046 | nc | 0.00031 | 0.00029 | nc | 0.00036 | 0.00041 | nc |
| Iron | mg/L | 0.041 | 0.040 | nc | 0.050 | 0.052 | 4% | 0.048 | 0.050 | nc | 0.035 | 0.053 | nc |
| Lead | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Lithium | mg/L | 0.0012 | 0.0012 | nc | 0.0015 | 0.0014 | nc | 0.0010 | 0.0010 | nc | 0.0028 | 0.0027 | nc |
| Magnesium | mg/L | 5.85 | 5.47 | 7% | 5.59 | 5.77 | 3% | 5.62 | 5.69 | 1% | 9.13 | 9.27 | 2% |
| Manganese | mg/L | 0.0872 | 0.0817 | 7% | 0.0377 | 0.0389 | 3% | 0.0322 | 0.0320 | 1% | 0.00584 | 0.00609 | 4% |
| Mercury | mg/L | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 SFP | <0.0000050 SFP | nc |
| Methyl Mercury | µg/L | 0.000095 | 0.000101 | nc | 0.000073 | 0.000072 | nc | 0.000086 | 0.000092 | nc | - | - | - |
| Molybdenum | mg/L | 0.000871 | 0.000809 | 7% | 0.000839 | 0.000803 | 4% | 0.000606 | 0.000556 | 9% | 0.000393 | 0.000375 | 5% |
| Nickel | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Phosphorus | mg/L | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc |
| Potassium | mg/L | 1.38 | 1.29 | 7% | 1.38 | 1.41 | 2% | 1.33 | 1.34 | 1% | 2.47 | 2.40 | 3% |
| Rubidium | mg/L | 0.00134 | 0.00138 | 3% | 0.00147 | 0.00142 | 3% | 0.00122 | 0.00120 | 2% | 0.00216 | 0.00209 | 3% |
| Selenium | mg/L | <0.000050 | <0.000050 | nc | 0.000135 DTSE | 0.000096 | nc | <0.000050 | 0.000054 | nc | 0.000075 | 0.000064 | nc |
| Silicon | mg/L | 2.06 | 2.04 | 1% | 2.12 | 2.19 | 3% | 1.80 | 1.80 | 0% | 1.47 | 1.51 | 3% |
| Silver | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Sodium | mg/L | 3.17 | 3.01 | 5% | 3.10 | 3.20 | 3% | 3.06 | 3.07 | 0% | 5.57 | 5.52 | 1% |
| Strontium | mg/L | 0.0428 | 0.0417 | 3% | 0.0448 | 0.0436 | 3% | 0.0380 | 0.0371 | 2% | 0.0659 | 0.0659 | 0% |
| Sulfur | mg/L | 2.31 | 2.51 | nc | 2.70 | 2.60 | 4% | 2.81 | 3.00 | 7% | 10.8 | 10.6 | 2% |
| Tellurium | mg/L | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc |
| Thallium | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Thorium | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Tin | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Titanium | mg/L | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc |
| Tungsten | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Uranium | mg/L | 0.000055 | 0.000050 | 10% | 0.000062 | 0.000058 | 7% | 0.000060 | 0.000069 | 14% | 0.000268 | 0.000264 | 2% |
| Vanadium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Zinc | mg/L | <0.0010 | <0.0010 | nc | 0.0010 | 0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc |
| Zirconium | mg/L | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc |
| **Metals, Total** | | | | | | | | | | | | | |
| Aluminum | mg/L | 0.0061 | 0.0092 | nc | 0.0215 | 0.0210 | 2% | 0.0166 | 0.0175 | 5% | 0.0094 | 0.0086 | nc |
| Antimony | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Arsenic | mg/L | 0.00040 | 0.00040 | nc | 0.00042 | 0.00040 | nc | 0.00036 | 0.00039 | nc | 0.00069 | 0.00069 | 0% |
| Barium | mg/L | 0.0112 | 0.0108 | 4% | 0.00976 | 0.00999 | 2% | 0.00832 | 0.00884 | 6% | 0.0155 | 0.0154 | 1% |
| Beryllium | mg/L | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | 0.000054 | <0.000020 | nc | <0.000020 | <0.000020 | nc |
| Bismuth | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Boron | mg/L | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc |
| Cadmium | mg/L | <0.0000050 | <0.0000050 | nc | 0.0000061 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc |
| Calcium | mg/L | 18.2 | 19.4 | 6% | 18.1 | 17.9 | 1% | 16.2 | 16.9 | 4% | 30.6 | 32.2 | 5% |
| Cesium | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | 0.000011 | <0.000010 | nc | 0.000010 | <0.000010 | nc |
| Chromium | mg/L | <0.00050 | <0.00050 | nc | 0.00066 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Chromium (Hexavalent) | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | 0.00061 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Cobalt | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Copper | mg/L | <0.00050 | <0.00050 | nc | 0.00056 | 0.00056 | nc | <0.00050 | <0.00050 | nc | 0.00054 | 0.00051 | nc |
| Iron | mg/L | 0.057 | 0.059 | 3% | 0.097 | 0.097 | 0% | 0.114 | 0.112 | 2% | 0.065 | 0.064 | 2% |
| Lead | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Lithium | mg/L | 0.0010 | 0.0014 | nc | 0.0013 | 0.0012 | nc | <0.0010 | 0.0012 | nc | 0.0033 | 0.0036 | nc |
| Magnesium | mg/L | 5.87 | 6.07 | 3% | 5.92 | 5.97 | 1% | 5.33 | 5.45 | 2% | 9.18 | 9.69 | 5% |
| Manganese | mg/L | 0.123 | 0.122 | 1% | 0.0454 | 0.0460 | 1% | 0.0745 | 0.0751 | 1% | 0.00629 | 0.00653 | 4% |
| Mercury | mg/L | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc |
| Methyl Mercury | µg/L | 0.000090 | 0.000093 | nc | 0.000068 | 0.000071 | nc | 0.000094 | 0.000105 | nc | - | - | - |
| Molybdenum | mg/L | 0.000913 | 0.000979 | 7% | 0.000842 | 0.000795 | 6% | 0.000617 | 0.000620 | 0% | 0.000387 | 0.000375 | 3% |
| Nickel | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Phosphorus | mg/L | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc |
| Potassium | mg/L | 1.35 | 1.35 | 0% | 1.49 | 1.48 | 1% | 1.32 | 1.30 | 2% | 2.28 | 2.37 | 4% |
| Rubidium | mg/L | 0.00152 | 0.00161 | 6% | 0.00146 | 0.00140 | 4% | 0.00133 | 0.00126 | 5% | 0.00213 | 0.00231 | 8% |
| Selenium | mg/L | 0.000052 | 0.000057 | nc | <0.000050 | 0.000069 | nc | 0.000061 | 0.000115 | nc | 0.000052 | 0.000068 | nc |
| Silicon | mg/L | 2.07 | 2.10 | 1% | 2.27 | 2.29 | 1% | 1.77 | 1.78 | 1% | 1.55 | 1.55 | 0% |
| Silver | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Sodium | mg/L | 3.19 | 3.12 | 2% | 3.34 | 3.34 | 0% | 2.95 | 2.77 | 6% | 5.51 | 5.73 | 4% |
| Strontium | mg/L | 0.0476 | 0.0483 | 1% | 0.0415 | 0.0416 | 0% | 0.0390 | 0.0369 | 6% | 0.0676 | 0.0713 | 5% |
| Sulfur | mg/L | 2.83 | 2.77 | 2% | 2.71 | 2.77 | 2% | 2.62 | 2.76 | 5% | 10.6 | 10.8 | 2% |
| Tellurium | mg/L | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc |
| Thallium | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Thorium | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Tin | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Titanium | mg/L | <0.00030 | <0.00030 | nc | 0.00086 | 0.00090 | nc | 0.00050 | 0.00081 | nc | 0.00031 | 0.00032 | nc |
| Tungsten | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Uranium | mg/L | 0.000060 | 0.000060 | 0% | 0.000062 | 0.000057 | 8% | 0.000069 | 0.000067 | 3% | 0.000270 | 0.000280 | 4% |
| Vanadium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Zinc | mg/L | <0.0030 | <0.0030 | nc | <0.0030 | <0.0030 | nc | <0.0030 | <0.0030 | nc | <0.0030 | <0.0030 | nc |
| Zirconium | mg/L | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc |

See notes on last page

# Table C.1-3: Summary of Surface Water QA/QC Results – 2025 RPDs
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| **Sample Location** | | **AQF34 - Surface** | | | **AQF34A** | | | **AQF40A** | | | | | | **AQF41** | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Date** | | **18-Mar-25** | **18-Mar-25** | | **23-Nov-25** | **23-Nov-25** | | **22-Jan-25** | **22-Jan-25** | | **23-Oct-25** | **23-Oct-25** | | **26-Feb-25** | **26-Feb-25** | |
| **Sample ID** | | **AQF34 - Surface** | **QC - 01** | | **AQF34A** | **QC-02** | | **AQF40A** | **QC-01** | | **AQF40A** | **QC-02** | | **AQF41** | **QC-02** | |
| **Sampling Company** | | **STANTEC** | **STANTEC** | | **STANTEC** | **STANTEC** | | **STANTEC** | **STANTEC** | | **STANTEC** | **STANTEC** | | **STANTEC** | **STANTEC** | |
| **Laboratory** | | **ALS** | **ALS** | | **ALS** | **ALS** | | **ALS** | **ALS** | | **ALS** | **ALS** | | **ALS** | **ALS** | |
| **Laboratory Work Order** | | **WP2503851** | **WP2503851** | | **WP2520511** | **WP2520511** | | **WP2501015** | **WP2501015** | | **WP2518837** | **WP2518837** | | **WP2502751** | **WP2502751** | |
| **Laboratory Sample ID** | | **WP2503851-005** | **WP2503851-008** | **RPD** | **WP2520511-010** | **WP2520511-022** | **RPD** | **WP2501015-017** | **WP2501015-023** | **RPD** | **WP2518837-013** | **WP2518837-014** | **RPD** | **WP2502751-009** | **WP2502751-012** | **RPD** |
| **Sample Type** | **Units** | | **Field Duplicate** | **(%)** | | **Field Duplicate** | **(%)** | | **Field Duplicate** | **(%)** | | **Field Duplicate** | **(%)** | | **Field Duplicate** | **(%)** |
| **General Chemistry** | | | | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | 6.7 | 6.4 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | 2.3 | 2.5 | nc | 2.2 | 2.1 | nc |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | 128 | 126 | 2% | 124 | 122 | 2% | 12.0 | 12.3 | 2% | 12.8 | 12.9 | 1% | 11.5 | 11.5 | 0% |
| Alkalinity, Carbonate (as CaCO3) | mg/L | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc |
| Alkalinity, Phenolphthalein | mg/L | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc |
| Alkalinity, Total (as CaCO3) | mg/L | 128 | 126 | 2% | 124 | 122 | 2% | 12.0 | 12.3 | 2% | 12.8 | 12.9 | 1% | 11.5 | 11.5 | 0% |
| Ammonia (as N) | mg/L | 0.0162 | 0.0115 | nc | 0.0316 | 0.0134 | nc | 0.0219 | 0.0272 | nc | 0.0118 | 0.0152 | nc | 0.0166 | 0.0197 | nc |
| Bromide | mg/L | <0.10 | <0.10 | nc | <0.10 | <0.10 | nc | <0.10 | <0.10 | nc | <0.10 | <0.10 | nc | <0.10 | <0.10 | nc |
| Chloride | mg/L | 1.18 | 1.12 | nc | 1.93 | 1.69 | nc | <0.50 | <0.50 | nc | <0.50 | <0.50 | nc | <0.50 | <0.50 | nc |
| Cyanate | mg/L | <0.20 | <0.20 | nc | <0.20 | <0.20 | nc | <0.20 | <0.20 | nc | <0.20 | <0.20 | nc | <0.20 | <0.20 | nc |
| Cyanide | mg/L | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc |
| Cyanide (Free) | mg/L | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc |
| Cyanide (Weak Acid Dissociable) | mg/L | <0.0010 | <0.0010 | nc | 0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc |
| Dissolved Organic Carbon (DOC) | mg/L | 11.0 | 10.7 | 3% | 16.6 | 17.2 | 4% | 8.77 | 8.28 | 6% | 9.96 | 10.3 | 3% | 8.21 | 8.12 | 1% |
| Electrical Conductivity, Lab | µS/cm | 318 | 319 | 0% | 308 | 308 | 0% | 26.8 | 27.3 | 2% | 31.5 | 31.0 | 2% | 30.4 | 30.3 | 0% |
| Fluoride | mg/L | 0.090 | 0.086 | nc | 0.099 | 0.098 | nc | 0.072 | 0.073 | nc | 0.069 | 0.070 | nc | 0.070 | 0.074 | nc |
| Hardness (as CaCO3) | mg/L | - | - | - | 139 | 139 | 0% | - | - | - | 12.6 | 12.4 | 2% | - | - | - |
| Hardness (as CaCO3), dissolved | mg/L | 149 | 149 | 0% | 157 | 149 | 5% | 11.1 | 12.1 | 9% | 11.7 | 11.9 | 2% | 11.8 | 11.5 | 3% |
| Nitrate (as N) | mg/L | 0.135 | 0.133 | 1% | 0.173 | 0.220 | **24%** | 0.049 | 0.047 | nc | 0.032 | 0.027 | nc | 0.069 | 0.071 | nc |
| Nitrate + Nitrite (as N) | mg/L | 0.135 | 0.133 | 1% | 0.173 | 0.220 | **24%** | 0.0490 | 0.0470 | nc | 0.0320 | 0.0270 | nc | 0.0690 | 0.0710 | nc |
| Nitrite (as N) | mg/L | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc |
| pH, lab | S.U. | 7.81 | 7.83 | 0% | 7.96 | 8.01 | 1% | 7.06 | 7.04 | 0% | 7.17 | 7.13 | 1% | 6.80 | 6.84 | 1% |
| Phosphorus, Total | mg/L | 0.0212 | 0.0136 | **44%** | 0.0174 | 0.0188 | 8% | 0.0100 | 0.0071 | nc | 0.0141 | 0.0172 | 20% | 0.0096 | 0.0092 | nc |
| Phosphorus, Total (Dissolved) | mg/L | 0.0114 | 0.0110 | 4% | 0.0088 | 0.0102 | nc | 0.0068 | 0.0063 | nc | 0.0060 | 0.0055 | nc | - | - | - |
| Sulfate | mg/L | 43.0 | 43.0 | 0% | 40.5 | 40.5 | 0% | 0.61 | 0.63 | nc | 0.50 | 0.47 | nc | 0.80 | 0.69 | nc |
| Thiocyanate | mg/L | <0.50 | <0.50 | nc | 0.58 | 0.60 | nc | <0.50 | <0.50 | nc | <0.50 | <0.50 | nc | <0.50 | <0.50 | nc |
| Total Dissolved Solids | mg/L | 214 | 212 | 1% | 199 | 211 | 6% | 24.6 | 24.4 | 1% | 19.6 | 18.2 | 7% | 23.9 | 23.7 | 1% |
| Total Kjeldahl Nitrogen | mg/L | 0.425 | 0.430 | 1% | 0.738 | 0.789 | 7% | 0.298 | 0.297 | 0% | 0.330 | 0.326 | 1% | 0.295 | 0.292 | 1% |
| Total Organic Carbon | mg/L | 11.0 | 11.4 | 4% | 16.9 | 16.5 | 2% | 7.86 | 8.46 | 7% | 9.88 | 9.67 | 2% | 7.93 | 8.18 | 3% |
| Total Suspended Solids | mg/L | <1.0 | <1.0 | nc | <1.0 | <1.0 | nc | <1.0 | <1.0 | nc | <1.0 | <1.0 | nc | <1.0 | <1.0 | nc |
| Turbidity, Lab | NTU | 0.25 | 0.25 | nc | 0.47 | 0.51 | nc | 0.65 | 0.58 | 11% | 1.01 | 0.78 | **26%** | 0.53 | 0.55 | 4% |
| **Metals, Dissolved** | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | 0.0022 | 0.0021 | nc | 0.0046 | 0.0046 | nc | 0.0142 | 0.0146 | 3% | 0.0090 | 0.0089 | 1% | 0.0123 | 0.0117 | 5% |
| Antimony | mg/L | <0.00010 | 0.00011 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Arsenic | mg/L | 0.00142 | 0.00137 | 4% | 0.00092 | 0.00087 | 6% | 0.00014 | 0.00017 | nc | 0.00016 | 0.00014 | nc | 0.00015 | 0.00015 | nc |
| Barium | mg/L | 0.0238 | 0.0240 | 1% | 0.0179 | 0.0188 | 5% | 0.00558 | 0.00568 | 2% | 0.00487 | 0.00477 | 2% | 0.00552 | 0.00575 | 4% |
| Beryllium | mg/L | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc |
| Bismuth | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Boron | mg/L | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc |
| Cadmium | mg/L | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc |
| Calcium | mg/L | 41.7 | 40.9 | 2% | 42.2 | 39.4 | 7% | 3.06 | 3.11 | 2% | 3.14 | 3.21 | 2% | 3.22 | 3.12 | 3% |
| Cesium | mg/L | 0.000068 | 0.000069 | 1% | 0.000024 | 0.000028 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Chromium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Cobalt | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Copper | mg/L | 0.00038 | 0.00061 | nc | 0.00044 | 0.00043 | nc | 0.00471 | 0.00043 | nc | 0.00026 | 0.00033 | nc | 0.00023 | 0.00153 RRV | nc |
| Iron | mg/L | 0.070 | 0.070 | 0% | 0.044 | 0.047 | nc | 0.082 | 0.081 | 1% | 0.059 | 0.060 | 2% | 0.092 | 0.091 | 1% |
| Lead | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | 0.000172 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Lithium | mg/L | 0.0023 | 0.0024 | nc | 0.0039 | 0.0042 | nc | 0.0012 | 0.0012 | nc | 0.0011 | 0.0013 | nc | 0.0012 | 0.0013 | nc |
| Magnesium | mg/L | 11.0 | 11.3 | 3% | 12.6 | 12.3 | 2% | 0.841 | 1.05 | **22%** | 0.949 | 0.941 | 1% | 0.913 | 0.909 | 0% |
| Manganese | mg/L | 0.332 | 0.335 | 1% | 0.00308 | 0.00332 | 8% | 0.00358 | 0.00366 | 2% | 0.00273 | 0.00267 | 2% | 0.00458 | 0.00452 | 1% |
| Mercury | mg/L | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc |
| Methyl Mercury | µg/L | 0.000118 | 0.000116 | 2% | 0.000062 | - | - | <0.000040 DLB | <0.000160 DLM | nc | - | - | - | 0.000024 | 0.000029 | nc |
| Molybdenum | mg/L | 0.000466 | 0.000446 | 4% | 0.000453 | 0.000423 | 7% | 0.000077 | 0.000086 | nc | 0.000098 | 0.000113 | nc | 0.000066 | 0.000068 | nc |
| Nickel | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Phosphorus | mg/L | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc |
| Potassium | mg/L | 2.80 | 2.83 | 1% | 2.94 | 2.95 | 0% | 0.564 | 0.654 | 15% | 0.541 | 0.532 | 2% | 0.560 | 0.565 | 1% |
| Rubidium | mg/L | 0.00262 | 0.00268 | 2% | 0.00272 | 0.00277 | 2% | 0.00101 | 0.00116 | 14% | 0.00110 | 0.00098 | nc | 0.00105 | 0.00108 | 3% |
| Selenium | mg/L | 0.000067 | 0.000097 | nc | 0.000078 | 0.000061 | nc | 0.000133 | 0.000061 | nc | <0.000050 | 0.000118 DTSE | nc | <0.000050 | <0.000050 | nc |
| Silicon | mg/L | 3.16 | 3.18 | 1% | 1.39 | 1.39 | 0% | 2.29 | 2.27 | 1% | 2.03 | 1.96 | 4% | 2.39 | 2.40 | 0% |
| Silver | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Sodium | mg/L | 5.38 | 5.50 | 2% | 7.13 | 7.02 | 2% | 1.25 | 1.40 | 11% | 1.32 | 1.20 | 10% | 1.38 | 1.32 | 4% |
| Strontium | mg/L | 0.0999 | 0.0951 | 5% | 0.0872 | 0.0885 | 1% | 0.0132 | 0.0146 | 10% | 0.0143 | 0.0137 | 4% | 0.0144 | 0.0140 | 3% |
| Sulfur | mg/L | 13.9 | 13.1 | 6% | 13.4 | 14.1 | 5% | <0.50 | <0.50 | nc | 0.62 | <0.50 | nc | <0.50 | <0.50 | nc |
| Tellurium | mg/L | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc |
| Thallium | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Thorium | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Tin | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | 0.00017 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Titanium | mg/L | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc |
| Tungsten | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Uranium | mg/L | 0.000643 | 0.000655 | 2% | 0.000369 | 0.000367 | 1% | 0.000014 | 0.000016 | nc | 0.000017 | 0.000016 | nc | 0.000016 | 0.000014 | nc |
| Vanadium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Zinc | mg/L | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | 0.0051 | 0.0022 | nc | 0.0011 | <0.0010 | nc | <0.0010 | 0.0030 | nc |
| Zirconium | mg/L | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc |
| **Metals, Total** | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | 0.0042 | 0.0046 | nc | 0.0081 | 0.0077 | nc | 0.0242 | 0.0252 | 4% | 0.0300 | 0.0230 | **26%** | 0.0217 | 0.0216 | 0% |
| Antimony | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Arsenic | mg/L | 0.00118 | 0.00117 | 1% | 0.00086 | 0.00085 | 1% | 0.00014 | 0.00013 | nc | 0.00018 | 0.00016 | nc | 0.00017 | 0.00019 | nc |
| Barium | mg/L | 0.0203 | 0.0207 | 2% | 0.0193 | 0.0188 | 3% | 0.00574 | 0.00556 | 3% | 0.00553 | 0.00545 | 1% | 0.00588 | 0.00566 | 4% |
| Beryllium | mg/L | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc |
| Bismuth | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Boron | mg/L | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc |
| Cadmium | mg/L | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc |
| Calcium | mg/L | 40.5 | 41.0 | 1% | 35.8 | 35.7 | 0% | 3.02 | 3.02 | 0% | 3.42 | 3.32 | 3% | 3.18 | 3.28 | 3% |
| Cesium | mg/L | 0.000059 | 0.000060 | 2% | 0.000025 | 0.000026 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Chromium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Chromium (Hexavalent) | mg/L | <0.00050 | 0.00051 | nc | <0.00050 | <0.00050 | nc | <0.00050 | 0.00194 RRV | nc | <0.00050 | <0.00050 | nc | 0.00066 | <0.00050 | nc |
| Cobalt | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Copper | mg/L | <0.00050 | <0.00050 | nc | 0.00052 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Iron | mg/L | 0.088 | 0.087 | 1% | 0.062 | 0.059 | 5% | 0.149 | 0.147 | 1% | 0.149 | 0.138 | 8% | 0.154 | 0.146 | 5% |
| Lead | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Lithium | mg/L | 0.0023 | 0.0023 | nc | 0.0025 | 0.0024 | nc | 0.0013 | 0.0013 | nc | 0.0015 | 0.0013 | nc | <0.0010 | 0.0014 | nc |
| Magnesium | mg/L | 12.1 | 11.9 | 2% | 12.1 | 12.0 | 1% | 0.903 | 0.904 | 0% | 0.986 | 0.996 | 1% | 0.916 | 0.917 | 0% |
| Manganese | mg/L | 0.342 | 0.342 | 0% | 0.00349 | 0.00340 | 3% | 0.00754 | 0.00789 | 5% | 0.0201 | 0.0180 | 11% | 0.00814 | 0.00782 | 4% |
| Mercury | mg/L | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc |
| Methyl Mercury | µg/L | 0.000170 | 0.000171 | 1% | 0.000071 | - | - | 0.000029 | 0.000033 | nc | - | - | - | 0.000021 | 0.000022 | nc |
| Molybdenum | mg/L | 0.000429 | 0.000458 | 7% | 0.000417 | 0.000437 | 5% | 0.000093 | 0.000101 | nc | 0.000122 | 0.000119 | nc | 0.000062 | <0.000050 | nc |
| Nickel | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Phosphorus | mg/L | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc |
| Potassium | mg/L | 2.59 | 2.58 | 0% | 2.89 | 2.81 | 3% | 0.595 | 0.560 | 6% | 0.549 | 0.556 | 1% | 0.593 | 0.576 | 3% |
| Rubidium | mg/L | 0.00239 | 0.00258 | 8% | 0.00281 | 0.00252 | 11% | 0.00107 | 0.00113 | 5% | 0.00110 | 0.00100 | 10% | 0.00119 | 0.00106 | 12% |
| Selenium | mg/L | 0.000075 | 0.000068 | nc | 0.000087 | 0.000066 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | 0.000056 | 0.000070 | nc |
| Silicon | mg/L | 3.30 | 3.34 | 1% | 1.36 | 1.38 | 1% | 2.54 | 2.46 | 3% | 2.13 | 2.20 | 3% | 2.45 | 2.49 | 2% |
| Silver | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Sodium | mg/L | 5.89 | 5.99 | 2% | 7.57 | 6.79 | 11% | 1.28 | 1.26 | 2% | 1.25 | 1.27 | 2% | 1.30 | 1.35 | 4% |
| Strontium | mg/L | 0.0965 | 0.0985 | 2% | 0.0849 | 0.0830 | 2% | 0.0134 | 0.0135 | 1% | 0.0137 | 0.0152 | 10% | 0.0140 | 0.0137 | 2% |
| Sulfur | mg/L | 14.5 | 15.1 | 4% | 14.1 | 14.1 | 0% | <0.50 | <0.50 | nc | <0.50 | <0.50 | nc | <0.50 | <0.50 | nc |
| Tellurium | mg/L | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc |
| Thallium | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Thorium | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Tin | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Titanium | mg/L | 0.00032 | <0.00030 | nc | 0.00038 | 0.00037 | nc | 0.00054 | 0.00052 | nc | 0.00134 | 0.00068 | nc | 0.00048 | 0.00045 | nc |
| Tungsten | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Uranium | mg/L | 0.000583 | 0.000574 | 2% | 0.000384 | 0.000372 | 3% | 0.000016 | 0.000016 | nc | 0.000020 | 0.000020 | nc | 0.000018 | 0.000016 | nc |
| Vanadium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Zinc | mg/L | <0.0030 | <0.0030 | nc | <0.0030 | <0.0030 | nc | <0.0030 | <0.0030 | nc | <0.0030 | <0.0030 | nc | <0.0030 | <0.0030 | nc |
| Zirconium | mg/L | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc |

See notes on last page

# Table C.1-3: Summary of Surface Water QA/QC Results – 2025 RPDs
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| **Sample Location** | | **AQF50** | | | **AQM5 - Surface** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Date** | | **26-May-25** | **26-May-25** | | **22-Mar-25** | **22-Mar-25** | | **26-Apr-25** | **26-Apr-25** | | **29-Oct-25** | **29-Oct-25** | |
| **Sample ID** | | **AQF50-Surface** | **QC-05** | | **AQM5** | **QC-05** | | **AQM5** | **QC - 05** | | **AQM5** | **QC-05** | |
| **Sampling Company** | | **STANTEC** | **STANTEC** | | **STANTEC** | **STANTEC** | | **STANTEC** | **STANTEC** | | **STANTEC** | **STANTEC** | |
| **Laboratory** | | **ALS** | **ALS** | | **ALS** | **ALS** | | **ALS** | **ALS** | | **ALS** | **ALS** | |
| **Laboratory Work Order** | | **WP2507527** | **WP2507527** | | **WP2503946** | **WP2503946** | | **WP2505581** | **WP2505581** | | **WP2519182** | **WP2519182** | |
| **Laboratory Sample ID** | | **WP2507527-001** | **WP2507527-014** | **RPD** | **WP2503946-004** | **WP2503946-005** | **RPD** | **WP2505581-018** | **WP2505581-021** | **RPD** | **WP2519182-001** | **WP2519182-011** | **RPD** |
| **Sample Type** | **Units** | | **Field Duplicate** | **(%)** | | **Field Duplicate** | **(%)** | | **Field Duplicate** | **(%)** | | **Field Duplicate** | **(%)** |
| **General Chemistry** | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | 3.8 | 3.7 | nc | 8.8 | 7.8 | nc | 2.0 | 3.4 | nc | 2.6 | 2.4 | nc |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | 42.2 | 44.3 | 5% | 28.5 | 28.5 | 0% | 15.0 | 12.4 | 19% | 16.6 | 15.8 | 5% |
| Alkalinity, Carbonate (as CaCO3) | mg/L | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc |
| Alkalinity, Phenolphthalein | mg/L | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc |
| Alkalinity, Total (as CaCO3) | mg/L | 42.2 | 44.3 | 5% | 28.5 | 28.5 | 0% | 15.0 | 12.4 | 19% | 16.6 | 15.8 | 5% |
| Ammonia (as N) | mg/L | <0.0050 | 0.0095 | nc | 0.0695 | 0.0677 | 3% | 0.0064 | 0.0077 | nc | 0.0708 | 0.0079 | nc |
| Bromide | mg/L | <0.10 | <0.10 | nc | <0.10 | <0.10 | nc | <0.10 | <0.10 | nc | <0.10 | <0.10 | nc |
| Chloride | mg/L | <0.50 | <0.50 | nc | 2.25 | 2.99 | nc | 0.65 | 0.78 | nc | 1.09 | 1.11 | nc |
| Cyanate | mg/L | <0.20 | <0.20 | nc | <0.20 | <0.20 | nc | <0.20 | <0.20 | nc | <0.20 | <0.20 | nc |
| Cyanide | mg/L | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc |
| Cyanide (Free) | mg/L | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc |
| Cyanide (Weak Acid Dissociable) | mg/L | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc |
| Dissolved Organic Carbon (DOC) | mg/L | 12.8 | 11.8 | 8% | 23.5 | 22.6 | 4% | 10.6 | 10.0 | 6% | 20.3 | 20.6 | 1% |
| Electrical Conductivity, Lab | µS/cm | 88.8 | 92.4 | 4% | 81.0 | 83.3 | 3% | 37.1 | 31.6 | 16% | 49.1 | 49.2 | 0% |
| Fluoride | mg/L | 0.053 | 0.052 | nc | 0.118 | 0.119 | 1% | 0.062 | 0.054 | nc | 0.083 | 0.081 | nc |
| Hardness (as CaCO3) | mg/L | - | - | - | - | - | - | - | - | - | 20.8 | 21.4 | 3% |
| Hardness (as CaCO3), dissolved | mg/L | 43.8 | 44.0 | 0% | 31.1 | 30.8 | 1% | 18.1 | 17.4 | 4% | 20.4 | 20.8 | 2% |
| Nitrate (as N) | mg/L | <0.020 | <0.020 | nc | 0.067 | 0.069 | nc | <0.020 | <0.020 | nc | <0.020 | <0.020 | nc |
| Nitrate + Nitrite (as N) | mg/L | <0.0224 | <0.0224 | nc | 0.0670 | 0.0690 | nc | <0.0224 | <0.0224 | nc | <0.022 | <0.022 | nc |
| Nitrite (as N) | mg/L | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc |
| pH, lab | S.U. | 7.84 | 7.98 | 2% | 7.51 | 7.49 | 0% | 6.97 | 6.95 | 0% | 7.23 | 7.23 | 0% |
| Phosphorus, Total | mg/L | 0.0198 | 0.0201 | 2% | 0.0124 | 0.0138 | 11% | 0.0443 | 0.0440 | 1% | 0.0202 | 0.0277 | **31%** |
| Phosphorus, Total (Dissolved) | mg/L | 0.0057 | 0.0175 | nc | 0.0048 | 0.0047 | nc | 0.0072 | 0.0072 | nc | 0.0053 | 0.0064 | nc |
| Sulfate | mg/L | 1.24 | 1.18 | nc | 1.41 | 1.54 | nc | 0.73 | 0.61 | nc | 1.99 | 2.36 | 17% |
| Thiocyanate | mg/L | <0.50 | <0.50 | nc | 0.64 SFT | 0.64 SFT | nc | <0.50 | <0.50 | nc | 0.62 | 0.65 | nc |
| Total Dissolved Solids | mg/L | 76.7 HTD | 72.2 | 6% | 75.4 | 71.4 | 5% | 35.9 | 25.7 | **33%** | 52.6 | 42.4 | **21%** |
| Total Kjeldahl Nitrogen | mg/L | 0.490 | 0.521 | 6% | 0.673 | 0.682 | 1% | 0.883 | 0.767 | 14% | 0.978 | 0.688 | **35%** |
| Total Organic Carbon | mg/L | 11.3 | 12.3 | 8% | 21.6 | 21.9 | 1% | 11.0 | 10.7 | 3% | 21.3 | 21.2 | 0% |
| Total Suspended Solids | mg/L | 1.3 | <1.0 | nc | 1.7 | 1.6 | nc | 16.6 | 6.0 | **94%** | 3.6 | 2.0 | nc |
| Turbidity, Lab | NTU | 1.28 | 1.34 | 5% | 2.06 | 2.07 | 0% | 1.58 | 1.05 | **40%** | 2.03 | 2.30 | 12% |
| **Metals, Dissolved** | | | | | | | | | | | | | |
| Aluminum | mg/L | 0.0048 | 0.0043 | nc | 0.0555 | 0.0570 | 3% | 0.0205 | 0.0192 | 7% | 0.0493 | 0.0497 | 1% |
| Antimony | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Arsenic | mg/L | 0.00022 | 0.00020 | nc | 0.00035 | 0.00036 | nc | <0.00010 | <0.00010 | nc | 0.00028 | 0.00030 | nc |
| Barium | mg/L | 0.00566 | 0.00572 | 1% | 0.0143 | 0.0143 | 0% | 0.00864 | 0.00811 | 6% | 0.00800 | 0.00806 | 1% |
| Beryllium | mg/L | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc |
| Bismuth | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Boron | mg/L | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc |
| Cadmium | mg/L | <0.0000050 | <0.0000050 | nc | 0.0000064 | 0.0000336 RRV | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | 0.0000056 | nc |
| Calcium | mg/L | 13.2 | 13.1 | 1% | 9.58 | 9.44 | 1% | 5.78 | 5.60 | 3% | 6.28 | 6.37 | 1% |
| Cesium | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | 0.000011 | <0.000010 | nc |
| Chromium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Cobalt | mg/L | <0.00010 | <0.00010 | nc | 0.00025 | 0.00024 | nc | <0.00010 | <0.00010 | nc | 0.00029 | <0.00010 | nc |
| Copper | mg/L | 0.00024 | 0.00025 | nc | 0.00064 | 0.00071 | nc | 0.00035 | 0.00028 | nc | 0.00081 | 0.00072 | nc |
| Iron | mg/L | 0.044 | 0.045 | nc | 1.31 | 1.32 | 1% | 0.507 | 0.507 | 0% | 0.088 | 0.096 | 9% |
| Lead | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Lithium | mg/L | <0.0010 | 0.0014 | nc | 0.0013 | 0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc |
| Magnesium | mg/L | 2.63 | 2.74 | 4% | 1.75 | 1.75 | 0% | 0.886 | 0.820 | 8% | 1.14 | 1.19 | 4% |
| Manganese | mg/L | 0.00056 | 0.00063 | 12% | 0.219 | 0.220 | 0% | 0.0484 | 0.0476 | 2% | 0.00598 | 0.00613 | 2% |
| Mercury | mg/L | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc |
| Methyl Mercury | µg/L | 0.000054 | 0.000070 | nc | 0.000250 | 0.000243 | 3% | 0.000259 | 0.000265 | 2% | - | - | - |
| Molybdenum | mg/L | 0.000177 | 0.000197 | nc | 0.000102 | 0.000090 | nc | <0.000050 | <0.000050 | nc | 0.000068 | 0.000072 | nc |
| Nickel | mg/L | <0.00050 | <0.00050 | nc | 0.00105 | 0.00110 | nc | <0.00050 | 0.00050 | nc | 0.00162 | 0.00111 | nc |
| Phosphorus | mg/L | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc |
| Potassium | mg/L | 0.563 | 0.557 | 1% | 0.904 | 0.898 | 1% | 0.491 | 0.466 | 5% | 1.21 | 1.22 | 1% |
| Rubidium | mg/L | 0.00063 | 0.00067 | nc | 0.00113 | 0.00123 | 8% | 0.00079 | 0.00075 | nc | 0.00189 | 0.00194 | 3% |
| Selenium | mg/L | <0.000050 | <0.000050 | nc | 0.000073 | 0.000142 | nc | 0.000061 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Silicon | mg/L | 3.02 | 3.01 | 0% | 2.17 | 2.24 | 3% | 0.823 | 0.757 | 8% | 1.92 | 1.92 | 0% |
| Silver | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Sodium | mg/L | 1.52 | 1.51 | 1% | 2.87 | 2.93 | 2% | 1.34 | 1.26 | 6% | 1.53 | 1.51 | 1% |
| Strontium | mg/L | 0.0215 | 0.0216 | 0% | 0.0343 | 0.0334 | 3% | 0.0171 | 0.0162 | 5% | 0.0194 | 0.0195 | 1% |
| Sulfur | mg/L | <0.50 | <0.50 | nc | 0.97 | 0.90 | nc | <0.50 | <0.50 | nc | 0.65 | 0.85 | nc |
| Tellurium | mg/L | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc |
| Thallium | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Thorium | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Tin | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Titanium | mg/L | <0.00030 | <0.00030 | nc | 0.00044 | 0.00043 | nc | <0.00030 | <0.00030 | nc | 0.00041 | 0.00044 | nc |
| Tungsten | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Uranium | mg/L | <0.000010 | 0.000011 | nc | 0.000014 | 0.000014 | nc | <0.000010 | <0.000010 | nc | 0.000011 | 0.000012 | nc |
| Vanadium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Zinc | mg/L | <0.0010 | 0.0010 | nc | 0.0020 | 0.0027 | nc | 0.0023 | 0.0020 | nc | 0.0018 | 0.0020 | nc |
| Zirconium | mg/L | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc |
| **Metals, Total** | | | | | | | | | | | | | |
| Aluminum | mg/L | 0.0129 | 0.0108 | nc | 0.0654 | 0.0662 | 1% | 0.0904 | 0.0874 | 3% | 0.0809 | 0.0767 | 5% |
| Antimony | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Arsenic | mg/L | 0.00023 | 0.00024 | nc | 0.00036 | 0.00035 | nc | 0.00024 | 0.00024 | nc | 0.00035 | 0.00034 | nc |
| Barium | mg/L | 0.00647 | 0.00661 | 2% | 0.0147 | 0.0142 | 3% | 0.00988 | 0.00993 | 1% | 0.00856 | 0.00912 | 6% |
| Beryllium | mg/L | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc |
| Bismuth | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Boron | mg/L | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc |
| Cadmium | mg/L | <0.0000050 | <0.0000050 | nc | <0.0000050 | 0.0000055 | nc | 0.0000060 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc |
| Calcium | mg/L | 13.4 | 12.7 | 5% | 10.2 | 10.3 | 1% | 5.86 | 5.93 | 1% | 6.32 | 6.53 | 3% |
| Cesium | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | 0.000011 | <0.000010 | nc | 0.000012 | 0.000013 | nc |
| Chromium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Chromium (Hexavalent) | mg/L | <0.00050 | 0.00054 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | 0.00073 | nc |
| Cobalt | mg/L | <0.00010 | <0.00010 | nc | 0.00027 | 0.00027 | nc | 0.00012 | 0.00013 | nc | 0.00011 | 0.00010 | nc |
| Copper | mg/L | <0.00050 | <0.00050 | nc | 0.00063 | 0.00069 | nc | 0.00074 | 0.00072 | nc | 0.00088 | 0.00089 | nc |
| Iron | mg/L | 0.105 | 0.108 | 3% | 1.67 | 1.57 | 6% | 0.869 | 0.858 | 1% | 0.334 | 0.341 | 2% |
| Lead | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | 0.000095 | 0.000085 | nc | <0.000050 | <0.000050 | nc |
| Lithium | mg/L | 0.0013 | <0.0010 | nc | 0.0015 | 0.0014 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc |
| Magnesium | mg/L | 2.75 | 2.75 | 0% | 1.75 | 1.77 | 1% | 0.918 | 0.968 | 5% | 1.22 | 1.24 | 2% |
| Manganese | mg/L | 0.0404 | 0.0404 | 0% | 0.242 | 0.231 | 5% | 0.0757 | 0.0778 | 3% | 0.0376 | 0.0380 | 1% |
| Mercury | mg/L | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc |
| Methyl Mercury | µg/L | 0.000066 | 0.000076 | nc | 0.000219 | 0.000286 | **27%** | 0.000257 | 0.000295 | 14% | - | - | - |
| Molybdenum | mg/L | 0.000196 | 0.000191 | nc | 0.000103 | 0.000096 | nc | <0.000050 | 0.000070 | nc | 0.000074 | 0.000091 | nc |
| Nickel | mg/L | <0.00050 | <0.00050 | nc | 0.00112 | 0.00112 | nc | 0.00080 | 0.00091 | nc | 0.00120 | 0.00122 | nc |
| Phosphorus | mg/L | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc |
| Potassium | mg/L | 0.610 | 0.597 | 2% | 0.877 | 0.864 | 1% | 0.540 | 0.550 | 2% | 1.22 | 1.25 | 2% |
| Rubidium | mg/L | 0.00066 | 0.00072 | nc | 0.00121 | 0.00127 | 5% | 0.00091 | 0.00088 | nc | 0.00205 | 0.00201 | 2% |
| Selenium | mg/L | <0.000050 | <0.000050 | nc | 0.000116 | 0.000073 | nc | <0.000050 | 0.000065 | nc | 0.000068 | 0.000070 | nc |
| Silicon | mg/L | 3.10 | 2.97 | 4% | 2.20 | 2.14 | 3% | 1.09 | 1.04 | 5% | 2.01 | 2.14 | 6% |
| Silver | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Sodium | mg/L | 1.72 | 1.76 | 2% | 2.85 | 3.32 | 15% | 1.48 | 1.45 | 2% | 1.59 | 1.59 | 0% |
| Strontium | mg/L | 0.0222 | 0.0223 | 0% | 0.0340 | 0.0374 | 10% | 0.0183 | 0.0180 | 2% | 0.0205 | 0.0210 | 2% |
| Sulfur | mg/L | 0.63 | <0.50 | nc | 0.84 | 0.68 | nc | <0.50 | <0.50 | nc | 0.81 | 0.99 | nc |
| Tellurium | mg/L | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc |
| Thallium | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Thorium | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Tin | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Titanium | mg/L | 0.00034 | 0.00032 | nc | 0.00072 | 0.00058 | nc | 0.00239 | 0.00264 | 10% | 0.00109 | 0.00112 | nc |
| Tungsten | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Uranium | mg/L | 0.000010 | 0.000011 | nc | 0.000015 | 0.000015 | nc | 0.000013 | 0.000012 | nc | 0.000017 | 0.000016 | nc |
| Vanadium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Zinc | mg/L | <0.0030 | <0.0030 | nc | <0.0030 | <0.0030 | nc | <0.0030 | <0.0030 | nc | <0.0030 | <0.0030 | nc |
| Zirconium | mg/L | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc |

See notes on last page

# Table C.1-3: Summary of Surface Water QA/QC Results – 2025 RPDs
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| **Sample Location** | | **AQM8 - Surface** | | | **AQM10 - Surface** | | | **AQM16 - Surface** | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Date** | | **25-Apr-25** | **25-Apr-25** | | **28-Feb-25** | **28-Feb-25** | | **21-Mar-25** | **21-Mar-25** | | **24-May-25** | **24-May-25** | |
| **Sample ID** | | **AQM8** | **QC - 04** | | **AQM10** | **QC-04** | | **AQM16** | **QC-04** | | **AQM16** | **QC-03** | |
| **Sampling Company** | | **STANTEC** | **STANTEC** | | **STANTEC** | **STANTEC** | | **STANTEC** | **STANTEC** | | **STANTEC** | **STANTEC** | |
| **Laboratory** | | **ALS** | **ALS** | | **ALS** | **ALS** | | **ALS** | **ALS** | | **ALS** | **ALS** | |
| **Laboratory Work Order** | | **WP2505581** | **WP2505581** | | **WP2502936** | **WP2502936** | | **WP2503946** | **WP2503946** | | **WP2507298** | **WP2507298** | |
| **Laboratory Sample ID** | | **WP2505581-004** | **WP2505581-022** | **RPD (%)** | **WP2502936-006** | **WP2502936-007** | **RPD (%)** | **WP2503946-009** | **WP2503946-017** | **RPD (%)** | **WP2507298-024** | **WP2507298-034** | **RPD (%)** |
| **Sample Type** | **Units** | | **Field Duplicate** | | | **Field Duplicate** | | | **Field Duplicate** | | | **Field Duplicate** | |
| **General Chemistry** | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | <2.0 | <2.0 | nc | 16.1 | 12.2 | **28%** | 7.8 | 8.3 | nc | 2.6 | 2.3 | nc |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | 10.8 | 10.7 | 1% | 25.8 | 24.6 | 5% | 27.6 | 26.9 | 3% | 14.5 | 14.3 | 1% |
| Alkalinity, Carbonate (as CaCO3) | mg/L | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc |
| Alkalinity, Phenolphthalein | mg/L | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc |
| Alkalinity, Total (as CaCO3) | mg/L | 10.8 | 10.7 | 1% | 25.8 | 24.6 | 5% | 27.6 | 26.9 | 3% | 14.5 | 14.3 | 1% |
| Ammonia (as N) | mg/L | 0.0085 | 0.0056 | nc | 0.129 | 0.122 | 6% | 0.314 | 0.308 | 2% | 0.0061 | 0.0078 | nc |
| Bromide | mg/L | <0.10 | <0.10 | nc | <0.10 | <0.10 | nc | <0.10 | <0.10 | nc | <0.10 | <0.10 | nc |
| Chloride | mg/L | <0.50 | <0.50 | nc | 1.19 | <0.50 | nc | <0.50 | 0.78 | nc | <0.50 | <0.50 | nc |
| Cyanate | mg/L | <0.20 | <0.20 | nc | <0.20 | <0.20 | nc | 0.34 | 0.29 | nc | <0.20 | <0.20 | nc |
| Cyanide | mg/L | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc |
| Cyanide (Free) | mg/L | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc |
| Cyanide (Weak Acid Dissociable) | mg/L | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc |
| Dissolved Organic Carbon (DOC) | mg/L | 8.19 | 8.21 | 0% | 20.0 | 20.6 | 3% | 22.9 | 21.2 | 8% | 17.4 | 16.6 | 5% |
| Electrical Conductivity, Lab | µS/cm | 29.4 | 29.3 | 0% | 74.0 | 64.3 | 14% | 69.2 | 70.8 | 2% | 34.9 | 34.4 | 1% |
| Fluoride | mg/L | 0.066 | 0.066 | nc | 0.048 | 0.047 | nc | 0.053 | 0.053 | nc | 0.036 | 0.037 | nc |
| Hardness (as CaCO3) | mg/L | - | - | - | - | - | - | - | - | - | - | - | - |
| Hardness (as CaCO3), dissolved | mg/L | 12.0 | 12.0 | 0% | 27.6 | 28.0 | 1% | 25.8 | 23.8 | 8% | 16.7 | 16.0 | 4% |
| Nitrate (as N) | mg/L | 0.036 | 0.037 | nc | 1.27 | 0.805 | **45%** | 0.181 | 0.201 | 10% | <0.020 | <0.020 | nc |
| Nitrate + Nitrite (as N) | mg/L | 0.0360 | 0.0370 | nc | 1.27 | 0.805 | **45%** | 0.181 | 0.201 | 10% | <0.0224 | <0.0224 | nc |
| Nitrite (as N) | mg/L | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc |
| pH, lab | S.U. | 7.03 | 7.10 | 1% | 6.89 | 6.86 | 0% | 7.35 | 7.33 | 0% | 7.29 | 7.30 | 0% |
| Phosphorus, Total | mg/L | 0.0164 | 0.0173 | 5% | 0.0336 | 0.0316 | 6% | 0.0282 | 0.0219 HTD | **25%** | 0.0368 | 0.0408 | 10% |
| Phosphorus, Total (Dissolved) | mg/L | 0.0050 | 0.0054 | nc | 0.0203 | 0.0201 | 1% | 0.0144 | 0.0149 | 3% | 0.0079 | 0.0086 | nc |
| Sulfate | mg/L | 1.30 | 1.38 | nc | 0.95 | 0.33 | nc | 0.46 | 0.54 | nc | <0.30 | <0.30 | nc |
| Thiocyanate | mg/L | <0.50 | <0.50 | nc | <0.50 SFT | <0.50 SFT | nc | 0.69 SFT | 0.69 SFT | nc | 0.51 | 0.52 | nc |
| Total Dissolved Solids | mg/L | 23.8 | 26.3 | 10% | 73.0 | 72.3 | 1% | 71.1 | 72.8 | 2% | 38.2 | 30.8 | **21%** |
| Total Kjeldahl Nitrogen | mg/L | 0.379 | 0.354 | 7% | 0.930 | 1.10 | 17% | 1.25 | 1.13 | 10% | 0.676 | 0.654 | 3% |
| Total Organic Carbon | mg/L | 8.44 | 8.39 | 1% | 21.2 | 22.2 | 5% | 25.8 | 24.6 | 5% | 17.4 | 14.6 | 18% |
| Total Suspended Solids | mg/L | 2.0 | 1.7 | nc | 1.7 | 2.1 | nc | 5.1 | 3.0 | nc | 6.3 | 6.6 | 5% |
| Turbidity, Lab | NTU | 1.66 | 1.54 | 8% | 2.53 | 2.16 | 16% | 2.52 | 1.08 | **80%** | 3.18 | 2.95 | 8% |
| **Metals, Dissolved** | | | | | | | | | | | | | |
| Aluminum | mg/L | 0.0068 | 0.0068 | 0% | 0.0526 | 0.0537 | 2% | 0.0372 | 0.0347 | 7% | 0.0309 | 0.0295 | 5% |
| Antimony | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Arsenic | mg/L | <0.00010 | <0.00010 | nc | 0.00048 | 0.00046 | nc | 0.00090 | 0.00084 | 7% | 0.00055 | 0.00050 | 10% |
| Barium | mg/L | 0.00690 | 0.00679 | 2% | 0.00939 | 0.00925 | 2% | 0.0118 | 0.0111 | 6% | 0.00340 | 0.00339 | 0% |
| Beryllium | mg/L | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc |
| Bismuth | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Boron | mg/L | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc |
| Cadmium | mg/L | <0.0000050 | <0.0000050 | nc | 0.0000061 | <0.0000050 | nc | <0.0000050 | 0.0000062 | nc | <0.0000050 | <0.0000050 | nc |
| Calcium | mg/L | 3.38 | 3.35 | 1% | 8.13 | 8.30 | 2% | 7.90 | 7.07 | 11% | 4.95 | 4.82 | 3% |
| Cesium | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Chromium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Cobalt | mg/L | <0.00010 | <0.00010 | nc | 0.00014 | 0.00015 | nc | 0.00012 | 0.00012 | nc | <0.00010 | <0.00010 | nc |
| Copper | mg/L | 0.00045 | 0.00047 | nc | 0.00153 | 0.00073 | nc | 0.00054 | 0.00054 | nc | 0.00035 | 0.00036 | nc |
| Iron | mg/L | 0.098 | 0.094 | 4% | 1.24 | 1.22 | 2% | 0.753 | 0.720 | 4% | 0.300 | 0.296 | 1% |
| Lead | mg/L | <0.000050 | <0.000050 | nc | 0.000064 | <0.000050 | nc | <0.000050 | <0.000050 | nc | 0.000061 | 0.000064 | nc |
| Lithium | mg/L | 0.0013 | 0.0011 | nc | 0.0012 | 0.0013 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc |
| Magnesium | mg/L | 0.877 | 0.879 | 0% | 1.78 | 1.77 | 1% | 1.48 | 1.49 | 1% | 1.05 | 0.954 | 10% |
| Manganese | mg/L | 0.0150 | 0.0147 | 2% | 0.0521 | 0.0520 | 0% | 0.130 | 0.126 | 3% | 0.00093 | 0.00090 | 3% |
| Mercury | mg/L | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | 0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc |
| Methyl Mercury | µg/L | 0.000040 | 0.000046 | nc | 0.000328 | 0.000273 | 18% | 0.000207 | 0.000166 | **22%** | 0.000144 | 0.000162 | 12% |
| Molybdenum | mg/L | <0.000050 | <0.000050 | nc | 0.000090 | 0.000085 | nc | 0.000096 | 0.000085 | nc | 0.000052 | <0.000050 | nc |
| Nickel | mg/L | <0.00050 | <0.00050 | nc | 0.00066 | 0.00060 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Phosphorus | mg/L | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc |
| Potassium | mg/L | 0.695 | 0.690 | 1% | 0.929 | 0.930 | 0% | 0.842 | 0.813 | 4% | 0.609 | 0.545 | 11% |
| Rubidium | mg/L | 0.00119 | 0.00114 | 4% | 0.00123 | 0.00124 | 1% | 0.00126 | 0.00109 | 14% | 0.00065 | 0.00070 | nc |
| Selenium | mg/L | <0.000050 | 0.000053 | nc | 0.000061 | 0.000072 | nc | 0.000065 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Silicon | mg/L | 3.68 | 3.59 | 2% | 2.30 | 2.31 | 0% | 0.964 | 0.946 | 2% | 0.139 | 0.134 | nc |
| Silver | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Sodium | mg/L | 1.36 | 1.36 | 0% | 1.92 | 1.86 | 3% | 1.48 | 1.48 | 0% | 0.915 | 0.808 | 12% |
| Strontium | mg/L | 0.0146 | 0.0143 | 2% | 0.0181 | 0.0183 | 1% | 0.0187 | 0.0171 | 9% | 0.00979 | 0.0102 | 4% |
| Sulfur | mg/L | <0.50 | <0.50 | nc | <0.50 | <0.50 | nc | <0.50 | 0.77 | nc | <0.50 | <0.50 | nc |
| Tellurium | mg/L | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc |
| Thallium | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Thorium | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Tin | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Titanium | mg/L | <0.00030 | <0.00030 | nc | 0.00125 | 0.00124 | nc | 0.00056 | 0.00046 | nc | 0.00061 | 0.00061 | nc |
| Tungsten | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Uranium | mg/L | 0.000014 | 0.000012 | nc | 0.000025 | 0.000022 | nc | 0.000024 | 0.000022 | nc | 0.000017 | 0.000019 | nc |
| Vanadium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Zinc | mg/L | 0.0018 | 0.0012 | nc | 0.0080 | 0.0057 | **34%** | 0.0013 | 0.0011 | nc | 0.0010 | 0.0010 | nc |
| Zirconium | mg/L | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc |
| **Metals, Total** | | | | | | | | | | | | | |
| Aluminum | mg/L | 0.0351 | 0.0315 | 11% | 0.125 | 0.121 | 3% | 0.0688 | 0.0608 | 12% | 0.0644 | 0.0689 | 7% |
| Antimony | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Arsenic | mg/L | 0.00020 | 0.00018 | nc | 0.00055 | 0.00052 | 6% | 0.00105 | 0.00101 | 4% | 0.00058 | 0.00068 | 16% |
| Barium | mg/L | 0.00721 | 0.00663 | 8% | 0.0101 | 0.0108 | 7% | 0.0133 | 0.0130 | 2% | 0.00424 | 0.00407 | 4% |
| Beryllium | mg/L | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc |
| Bismuth | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Boron | mg/L | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc |
| Cadmium | mg/L | <0.0000050 | <0.0000050 | nc | 0.0000080 | 0.0000083 | nc | <0.0000050 | 0.0000058 | nc | <0.0000050 | 0.0000137 | nc |
| Calcium | mg/L | 2.96 | 3.38 | 13% | 8.55 | 8.68 | 2% | 9.18 | 9.86 | 7% | 5.07 | 5.07 | 0% |
| Cesium | mg/L | <0.000010 | <0.000010 | nc | 0.000012 | 0.000012 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Chromium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Chromium (Hexavalent) | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | 0.00277 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Cobalt | mg/L | <0.00010 | <0.00010 | nc | 0.00018 | 0.00020 | nc | 0.00016 | 0.00016 | nc | <0.00010 | <0.00010 | nc |
| Copper | mg/L | 0.00068 | 0.00051 | nc | 0.00166 | 0.00094 | nc | 0.00070 | 0.00080 | nc | <0.00050 | <0.00050 | nc |
| Iron | mg/L | 0.299 | 0.284 | 5% | 1.55 | 1.52 | 2% | 0.931 | 0.917 | 2% | 0.486 | 0.490 | 1% |
| Lead | mg/L | <0.000050 | <0.000050 | nc | 0.000077 | 0.000105 | nc | 0.000060 | 0.000058 | nc | 0.000330 | 0.000107 | nc |
| Lithium | mg/L | 0.0014 | 0.0013 | nc | 0.0011 | <0.0010 | nc | <0.0010 | 0.0013 | nc | <0.0010 | <0.0010 | nc |
| Magnesium | mg/L | 0.791 | 0.867 | 9% | 1.82 | 1.82 | 0% | 1.73 | 1.74 | 1% | 1.01 | 0.999 | 1% |
| Manganese | mg/L | 0.0187 | 0.0204 | 9% | 0.0580 | 0.0580 | 0% | 0.158 | 0.163 | 3% | 0.0140 | 0.0140 | 0% |
| Mercury | mg/L | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc |
| Methyl Mercury | µg/L | 0.000048 | 0.000039 | nc | 0.000307 | 0.000243 | **23%** | 0.000203 | 0.000163 | **22%** | 0.000169 | 0.000166 | 2% |
| Molybdenum | mg/L | <0.000050 | <0.000050 | nc | 0.000061 | 0.000089 | nc | 0.000105 | 0.000113 | nc | 0.000058 | 0.000054 | nc |
| Nickel | mg/L | <0.00050 | <0.00050 | nc | 0.00065 | 0.00068 | nc | 0.00053 | 0.00052 | nc | <0.00050 | <0.00050 | nc |
| Phosphorus | mg/L | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc |
| Potassium | mg/L | 0.650 | 0.708 | 9% | 0.957 | 0.958 | 0% | 0.919 | 0.936 | 2% | 0.593 | 0.599 | 1% |
| Rubidium | mg/L | 0.00111 | 0.00116 | 4% | 0.00143 | 0.00147 | 3% | 0.00148 | 0.00142 | 4% | 0.00073 | 0.00086 | nc |
| Selenium | mg/L | 0.000090 | 0.000062 | nc | 0.000051 | 0.000076 | nc | 0.000084 | 0.000085 | nc | 0.000086 | 0.000228 | nc |
| Silicon | mg/L | 3.51 | 3.90 | 11% | 2.73 | 2.44 | 11% | 1.05 | 1.12 | 6% | 0.23 | 0.28 | nc |
| Silver | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Sodium | mg/L | 1.18 | 1.34 | 13% | 2.26 | 2.30 | 2% | 1.48 | 1.54 | 4% | 0.848 | 0.842 | 1% |
| Strontium | mg/L | 0.0136 | 0.0140 | 3% | 0.0186 | 0.0188 | 1% | 0.0221 | 0.0208 | 6% | 0.00993 | 0.00992 | 0% |
| Sulfur | mg/L | <0.50 | <0.50 | nc | <0.50 | <0.50 | nc | <0.50 | <0.50 | nc | <0.50 | <0.50 | nc |
| Tellurium | mg/L | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc |
| Thallium | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Thorium | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Tin | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Titanium | mg/L | 0.00138 | 0.00129 | nc | 0.00433 | 0.00405 | 7% | 0.00183 | 0.00136 | nc | 0.00181 | 0.00202 | 11% |
| Tungsten | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Uranium | mg/L | 0.000018 | 0.000015 | nc | 0.000034 | 0.000032 | nc | 0.000032 | 0.000030 | nc | 0.000025 | 0.000024 | nc |
| Vanadium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Zinc | mg/L | <0.0030 | <0.0030 | nc | 0.0083 | 0.0068 | nc | <0.0030 | <0.0030 | nc | <0.0030 | <0.0030 | nc |
| Zirconium | mg/L | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc |

See notes on last page

# Table C.1-3: Summary of Surface Water QA/QC Results – 2025 RPDs
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| Sample Location | | AQM16 - Surface (Contd.) | | | | | | AQM21 - Surface | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Date | | 25-Oct-25 | 25-Oct-25 | | 18-Dec-25 | 18-Dec-25 | | 25-Nov-25 | 25-Nov-25 | | 18-Dec-25 | 18-Dec-25 | |
| Sample ID | | AQM16 | QC-03 | | AQM16 | QC-01 | | AQM21 | QC-04 | | AQM21 | QC-04 | |
| Sampling Company | | STANTEC | STANTEC | | STANTEC | STANTEC | | STANTEC | STANTEC | | STANTEC | STANTEC | |
| Laboratory | | ALS | ALS | | ALS | ALS | | ALS | ALS | | ALS | ALS | |
| Laboratory Work Order | | WP2518837 | WP2518837 | | WP2521634 | WP2521634 | | WP2520648 | WP2520648 | | WP2521634 | WP2521634 | |
| Laboratory Sample ID | | WP2518837-029 | WP2518837-037 | RPD | WP2521634-022 | WP2521634-025 | RPD | WP2520648-007 | WP2520648-010 | RPD | WP2521634-021 | WP2521634-024 | RPD |
| Sample Type | Units | | Field Duplicate | (%) | | Field Duplicate | (%) | | Field Duplicate | (%) | | Field Duplicate | (%) |
| **General Chemistry** | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | 2.1 | 2.3 | nc | 2.9 | 3.4 | nc | 4.5 | 2.6 | nc | 4.6 | 3.8 | nc |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | 17.1 | 17.3 | 1% | 27.2 | 26.6 | 2% | 26.5 | 22.3 | 17% | 29.0 | 27.7 | 5% |
| Alkalinity, Carbonate (as CaCO3) | mg/L | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc |
| Alkalinity, Phenolphthalein | mg/L | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc |
| Alkalinity, Total (as CaCO3) | mg/L | 17.1 | 17.3 | 1% | 27.2 | 26.6 | 2% | 26.5 | 22.3 | 17% | 29.0 | 27.7 | 5% |
| Ammonia (as N) | mg/L | 0.0088 | <0.0050 | nc | 0.0605 | 0.0594 | 2% | 0.0578 | 0.0547 | 6% | 0.126 | 0.119 | 6% |
| Bromide | mg/L | <0.10 | <0.10 | nc | <0.10 | <0.10 | nc | <0.10 | <0.10 | nc | <0.10 | <0.10 | nc |
| Chloride | mg/L | <0.50 | <0.50 | nc | <0.50 | 0.54 | nc | <0.50 | 1.40 | nc | <0.50 | <0.50 | nc |
| Cyanate | mg/L | <0.20 | <0.20 | nc | <0.20 | <0.20 | nc | <0.20 | <0.20 | nc | <0.20 | <0.20 | nc |
| Cyanide | mg/L | <0.0010 | <0.0010 | nc | 0.0031 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc |
| Cyanide (Free) | mg/L | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc |
| Cyanide (Weak Acid Dissociable) | mg/L | <0.0010 | <0.0010 | nc | 0.0016 | <0.0010 | nc | 0.0012 | 0.0010 | nc | <0.0010 | <0.0010 | nc |
| Dissolved Organic Carbon (DOC) | mg/L | 22.9 | 22.7 | 1% | 28.6 | 28.3 | 1% | 24.0 | 24.5 | 2% | 30.3 | 29.4 | 3% |
| Electrical Conductivity, Lab | µS/cm | 44.5 | 44.1 | 1% | 64.0 | 64.2 | 0% | 61.5 | 60.6 | 1% | 67.1 | 65.7 | 2% |
| Fluoride | mg/L | 0.037 | 0.037 | nc | 0.058 | 0.059 | nc | 0.057 | 0.057 | nc | 0.060 | 0.059 | nc |
| Hardness (as CaCO3) | mg/L | 22.2 | 22.4 | 1% | 32.7 | 29.0 | 12% | 27.3 | 28.3 | 4% | 34.0 | 27.8 | **20%** |
| Hardness (as CaCO3), dissolved | mg/L | 20.2 | 22.0 | 9% | 31.0 | 32.2 | 4% | 29.2 | 28.7 | 2% | 32.7 | 33.4 | 2% |
| Nitrate (as N) | mg/L | <0.020 | <0.020 | nc | 0.070 | <0.020 | nc | 0.059 | 0.053 | nc | 0.025 | 0.020 | nc |
| Nitrate + Nitrite (as N) | mg/L | <0.022 | <0.022 | nc | 0.0700 | <0.022 | nc | 0.0590 | 0.0530 | nc | 0.0250 | <0.022 | nc |
| Nitrite (as N) | mg/L | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc |
| pH, lab | S.U. | 7.27 | 7.28 | 0% | 7.21 | 7.11 | 1% | 7.13 | 6.90 | 3% | 7.10 | 7.03 | 1% |
| Phosphorus, Total | mg/L | 0.0338 | 0.0376 | 11% | 0.0278 | 0.0267 | 4% | 0.0280 | 0.0287 | 2% | 0.0281 | 0.0263 | 7% |
| Phosphorus, Total (Dissolved) | mg/L | 0.0100 | 0.0100 | 0% | 0.0147 | 0.0139 | 6% | 0.0126 | 0.0132 | 5% | 0.0137 | 0.0163 | 17% |
| Sulfate | mg/L | 0.52 | 0.53 | nc | 0.93 | 1.04 | nc | 0.62 | 0.94 | nc | 1.01 | 0.99 | nc |
| Thiocyanate | mg/L | 0.67 | 0.69 | nc | 0.68 | 0.78 | nc | 0.76 | 0.78 | nc | 0.77 | 0.83 | nc |
| Total Dissolved Solids | mg/L | 54.5 | 52.2 | 4% | 87.0 | 79.0 | 10% | 70.8 | 58.8 | 19% | 100 | 80.3 | **22%** |
| Total Kjeldahl Nitrogen | mg/L | 1.06 | 0.897 | 17% | 1.09 | 1.08 | 1% | 1.18 | 1.28 | 8% | 1.14 | 1.12 | 2% |
| Total Organic Carbon | mg/L | 24.3 | 23.7 | 3% | 28.7 | 29.9 | 4% | 24.3 | 25.7 | 6% | 30.9 | 28.7 | 7% |
| Total Suspended Solids | mg/L | 4.4 | 5.6 | nc | <1.0 | <1.0 | nc | 2.0 | 2.0 | nc | <1.0 | 1.4 | nc |
| Turbidity, Lab | NTU | 3.52 | 3.65 | 4% | 1.26 | 1.06 | 17% | 1.95 | 1.66 | 16% | 1.42 | 1.17 | 19% |
| **Metals, Dissolved** | | | | | | | | | | | | | |
| Aluminum | mg/L | 0.0349 | 0.0349 | 0% | 0.0565 | 0.0467 | 19% | 0.0595 | 0.0589 | 1% | 0.0564 | 0.0568 | 1% |
| Antimony | mg/L | <0.00010 | <0.00010 | nc | 0.00011 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Arsenic | mg/L | 0.00054 | 0.00058 | 7% | 0.00073 | 0.00070 | 4% | 0.00057 | 0.00054 | 5% | 0.00070 | 0.00067 | 4% |
| Barium | mg/L | 0.00691 | 0.00690 | 0% | 0.0119 | 0.0120 | 1% | 0.00815 | 0.00799 | 2% | 0.0107 | 0.0106 | 1% |
| Beryllium | mg/L | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc |
| Bismuth | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Boron | mg/L | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc |
| Cadmium | mg/L | <0.0000050 | <0.0000050 | nc | 0.0000062 | 0.0000077 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc |
| Calcium | mg/L | 6.20 | 6.88 | 10% | 9.52 | 9.86 | 4% | 9.14 | 8.96 | 2% | 9.99 | 10.1 | 1% |
| Cesium | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Chromium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Cobalt | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | 0.00011 | 0.00011 | nc |
| Copper | mg/L | 0.00063 | 0.00064 | nc | 0.00114 | 0.00102 | 11% | 0.00063 | 0.00062 | nc | 0.00087 | 0.00084 | nc |
| Iron | mg/L | 0.080 | 0.079 | 1% | 0.189 | 0.158 | 18% | 0.286 | 0.293 | 2% | 0.303 | 0.304 | 0% |
| Lead | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Lithium | mg/L | 0.0011 | <0.0010 | nc | 0.0019 | 0.0020 | nc | 0.0021 | 0.0021 | nc | 0.0020 | 0.0021 | nc |
| Magnesium | mg/L | 1.14 | 1.18 | 3% | 1.75 | 1.85 | 6% | 1.54 | 1.54 | 0% | 1.88 | 1.98 | 5% |
| Manganese | mg/L | 0.00173 | 0.00181 | 5% | 0.0325 | 0.0326 | 0% | 0.0236 | 0.0235 | 0% | 0.0535 | 0.0538 | 1% |
| Mercury | mg/L | <0.0000050 | <0.0000050 | nc | <0.0000050 SFP | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 SFP | <0.0000050 | nc |
| Methyl Mercury | µg/L | - | - | - | - | - | - | - | - | - | - | - | - |
| Molybdenum | mg/L | 0.000076 | 0.000083 | nc | 0.000093 | 0.000084 | nc | 0.000083 | 0.000085 | nc | 0.000098 | 0.000096 | nc |
| Nickel | mg/L | <0.00050 | <0.00050 | nc | 0.00067 | 0.00060 | nc | 0.00057 | 0.00061 | nc | 0.00061 | 0.00063 | nc |
| Phosphorus | mg/L | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc |
| Potassium | mg/L | 0.846 | 0.875 | 3% | 1.29 | 1.32 | 2% | 1.02 | 1.01 | 1% | 1.28 | 1.29 | 1% |
| Rubidium | mg/L | 0.00111 | 0.00117 | 5% | 0.00155 | 0.00161 | 4% | 0.00132 | 0.00133 | 1% | 0.00164 | 0.00159 | 3% |
| Selenium | mg/L | 0.000174 RRV | <0.000050 | nc | 0.000076 | 0.000090 | nc | 0.000060 | 0.000069 | nc | 0.000058 | 0.000083 | nc |
| Silicon | mg/L | 0.812 | 0.893 | 10% | 1.23 | 1.12 | 9% | 2.06 | 2.03 | 1% | 1.71 | 1.74 | 2% |
| Silver | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Sodium | mg/L | 1.17 | 1.04 | 12% | 1.52 | 1.58 | 4% | 1.68 | 1.63 | 3% | 1.64 | 1.67 | 2% |
| Strontium | mg/L | 0.0133 | 0.0127 | 5% | 0.0186 | 0.0189 | 2% | 0.0172 | 0.0170 | 1% | 0.0190 | 0.0193 | 2% |
| Sulfur | mg/L | 1.92 RRV | 0.68 | nc | 0.61 | 0.57 | nc | 0.78 | <0.50 | nc | 0.53 | 0.55 | nc |
| Tellurium | mg/L | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc |
| Thallium | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Thorium | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Tin | mg/L | 0.00025 RRV | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Titanium | mg/L | 0.00060 | 0.00059 | nc | 0.00106 | 0.00068 | nc | 0.00095 | 0.00100 | nc | 0.00093 | 0.00090 | nc |
| Tungsten | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Uranium | mg/L | 0.000027 | 0.000031 | nc | 0.000036 | 0.000035 | nc | 0.000027 | 0.000029 | nc | 0.000035 | 0.000037 | nc |
| Vanadium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Zinc | mg/L | <0.0010 | <0.0010 | nc | 0.0039 | 0.0047 | nc | 0.0011 | 0.0015 | nc | 0.0018 | 0.0015 | nc |
| Zirconium | mg/L | <0.00030 | <0.00030 | nc | 0.00032 | <0.00030 | nc | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc |
| **Metals, Total** | | | | | | | | | | | | | |
| Aluminum | mg/L | 0.0762 | 0.0749 | 2% | 0.0650 | 0.0542 | 18% | 0.0855 | 0.0722 | 17% | 0.0731 | 0.0688 | 6% |
| Antimony | mg/L | <0.00010 | <0.00010 | nc | 0.00018 | 0.00014 | nc | <0.00010 | <0.00010 | nc | 0.00014 | <0.00010 | nc |
| Arsenic | mg/L | 0.00068 | 0.00066 | 3% | 0.00071 | 0.00071 | 0% | 0.00064 | 0.00064 | 0% | 0.00076 | 0.00068 | 11% |
| Barium | mg/L | 0.00756 | 0.00756 | 0% | 0.0121 | 0.0121 | 0% | 0.00909 | 0.00907 | 0% | 0.0114 | 0.0106 | 7% |
| Beryllium | mg/L | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc |
| Bismuth | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Boron | mg/L | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc |
| Cadmium | mg/L | <0.0000050 | <0.0000050 | nc | 0.0000076 | 0.0000062 | nc | 0.0000057 | <0.0000050 | nc | 0.0000084 | <0.0000050 | nc |
| Calcium | mg/L | 6.86 | 6.94 | 1% | 10.0 | 8.91 | 12% | 8.36 | 8.63 | 3% | 10.4 | 8.23 | **23%** |
| Cesium | mg/L | <0.000010 | 0.000011 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Chromium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | 0.00066 | nc | <0.00050 | <0.00050 | nc |
| Chromium (Hexavalent) | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Cobalt | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | 0.00012 | 0.00012 | nc | 0.00014 | 0.00012 | nc |
| Copper | mg/L | 0.00072 | 0.00081 | nc | 0.00133 | 0.00111 | nc | 0.00080 | 0.00074 | nc | 0.00115 | 0.00087 | nc |
| Iron | mg/L | 0.231 | 0.256 | 10% | 0.223 | 0.211 | 6% | 0.396 | 0.415 | 5% | 0.394 | 0.383 | 3% |
| Lead | mg/L | 0.000097 | 0.000111 | nc | 0.000053 | <0.000050 | nc | 0.000073 | 0.000056 | nc | 0.000060 | <0.000050 | nc |
| Lithium | mg/L | 0.0011 | <0.0010 | nc | 0.0025 | 0.0013 | nc | 0.0018 | 0.0018 | nc | 0.0025 | 0.0012 | nc |
| Magnesium | mg/L | 1.23 | 1.24 | 1% | 1.87 | 1.63 | 14% | 1.56 | 1.63 | 4% | 1.95 | 1.75 | 11% |
| Manganese | mg/L | 0.0173 | 0.0172 | 1% | 0.0375 | 0.0339 | 10% | 0.0304 | 0.0282 | 8% | 0.0581 | 0.0529 | 9% |
| Mercury | mg/L | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc |
| Methyl Mercury | µg/L | - | - | - | - | - | - | - | - | - | - | - | - |
| Molybdenum | mg/L | 0.000114 | 0.000085 | nc | 0.000104 | 0.000093 | nc | 0.000079 | 0.000101 | nc | 0.000100 | 0.000086 | nc |
| Nickel | mg/L | 0.00058 | 0.00061 | nc | 0.00068 | 0.00100 | nc | 0.00061 | 0.00082 | nc | 0.00069 | 0.00103 | nc |
| Phosphorus | mg/L | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc |
| Potassium | mg/L | 0.926 | 0.891 | 4% | 1.25 | 1.18 | 6% | 1.01 | 1.04 | 3% | 1.27 | 1.17 | 8% |
| Rubidium | mg/L | 0.00128 | 0.00134 | 5% | 0.00162 | 0.00150 | 8% | 0.00132 | 0.00130 | 2% | 0.00163 | 0.00157 | 4% |
| Selenium | mg/L | 0.000064 | 0.000076 | nc | <0.000050 | 0.000064 | nc | 0.000073 | 0.000065 | nc | 0.000110 | 0.000104 | nc |
| Silicon | mg/L | 0.90 | 0.91 | 1% | 1.19 | 1.18 | 1% | 1.97 | 2.01 | 2% | 1.73 | 1.74 | 1% |
| Silver | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Sodium | mg/L | 1.08 | 1.18 | 9% | 1.56 | 1.51 | 3% | 1.35 | 1.64 | 19% | 1.73 | 1.58 | 9% |
| Strontium | mg/L | 0.0136 | 0.0137 | 1% | 0.0196 | 0.0183 | 7% | 0.0168 | 0.0177 | 5% | 0.0204 | 0.0163 | **22%** |
| Sulfur | mg/L | 0.52 | <0.50 | nc | 0.50 | 0.55 | nc | 0.53 | 0.54 | nc | <0.50 | 0.61 | nc |
| Tellurium | mg/L | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc |
| Thallium | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Thorium | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Tin | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Titanium | mg/L | 0.00242 | 0.00231 | 5% | 0.00119 | 0.00106 | nc | 0.00210 | 0.00182 | 14% | 0.00138 | 0.00140 | nc |
| Tungsten | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Uranium | mg/L | 0.000033 | 0.000037 | nc | 0.000042 | 0.000037 | nc | 0.000035 | 0.000034 | nc | 0.000042 | 0.000035 | nc |
| Vanadium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Zinc | mg/L | <0.0030 | 0.0042 | nc | 0.0031 | 0.0040 | nc | <0.0030 | <0.0030 | nc | <0.0030 | <0.0030 | nc |
| Zirconium | mg/L | <0.00020 | <0.00020 | nc | 0.00023 | 0.00020 | nc | 0.00020 | 0.00021 | nc | 0.00023 | <0.00020 | nc |

See notes on last page

# Table C.1-3: Summary of Surface Water QA/QC Results – 2025 RPDs
## Lynn Lake Gold Project: Surface Water Management and Monitoring Program
## Alamos Gold Inc.

| Sample Location | | AQM23 - Surface | | | | | | AQM31 - Surface | | | AQM72-Surface | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Date | | 19-Mar-25 | 19-Mar-25 | | 25-May-25 | 25-May-25 | | 18-Dec-25 | 18-Dec-25 | | 26-Nov-25 | 26-Nov-25 | |
| Sample ID | | AQM 23 - Surface | QC - 02 | | AQM23-Surface | QC-04 | | AQM31 | QC-05 | | AQM72 | QC-05 | |
| Sampling Company | | STANTEC | STANTEC | | STANTEC | STANTEC | | STANTEC | STANTEC | | STANTEC | STANTEC | |
| Laboratory | | ALS | ALS | | ALS | ALS | | ALS | ALS | | ALS | ALS | |
| Laboratory Work Order | | WP2503851 | WP2503851 | | WP2507527 | WP2507527 | | WP2521634 | WP2521634 | | WP2520648 | WP2520648 | |
| Laboratory Sample ID | | WP2503851-015 | WP2503851-031 | RPD | WP2507527-009 | WP2507527-013 | RPD | WP2521634-019 | WP2521634-023 | RPD | WP2520648-015 | WP2520648-021 | RPD |
| Sample Type | Units | | Field Duplicate | (%) | | Field Duplicate | (%) | | Field Duplicate | (%) | | Field Duplicate | (%) |
| **General Chemistry** | | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | 2.5 | 2.8 | nc | 2.6 | 3.0 | nc | 2.7 | 4.0 | nc | 2.4 | 4.5 | nc |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | 10.9 | 11.5 | 5% | 9.6 | 9.4 | nc | 14.4 | 13.4 | 7% | 10.4 | 11.2 | 7% |
| Alkalinity, Carbonate (as CaCO3) | mg/L | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc |
| Alkalinity, Phenolphthalein | mg/L | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc |
| Alkalinity, Total (as CaCO3) | mg/L | 10.9 | 11.5 | 5% | 9.6 | 9.4 | nc | 14.4 | 13.4 | 7% | 10.4 | 11.2 | 7% |
| Ammonia (as N) | mg/L | 0.0639 HTD | 0.0581 | 10% | 0.0076 | <0.0050 | nc | 0.359 | 0.357 | 1% | 0.0337 | 0.0304 | 10% |
| Bromide | mg/L | <0.10 | <0.10 | nc | <0.10 | <0.10 | nc | <0.10 | <0.10 | nc | <0.10 | <0.10 | nc |
| Chloride | mg/L | 0.88 | 1.01 | nc | 0.76 | 0.75 | nc | <0.50 | <0.50 | nc | <0.50 | <0.50 | nc |
| Cyanate | mg/L | <0.20 | <0.20 | nc | <0.20 | <0.20 | nc | <0.20 | <0.20 | nc | <0.20 | <0.20 | nc |
| Cyanide | mg/L | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0100 DLM | nc |
| Cyanide (Free) | mg/L | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc |
| Cyanide (Weak Acid Dissociable) | mg/L | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc |
| Dissolved Organic Carbon (DOC) | mg/L | 9.27 | 8.81 | 5% | 8.03 | 9.08 | 12% | 16.3 | 24.6 | **41%** | 17.1 | 17.6 | 3% |
| Electrical Conductivity, Lab | µS/cm | 32.4 | 34.2 | 5% | 27.0 | 26.7 | 1% | 39.7 | 39.2 | 1% | 28.6 | 31.2 | 9% |
| Fluoride | mg/L | 0.075 | 0.078 | nc | 0.065 | 0.066 | nc | 0.044 | 0.044 | nc | 0.030 | 0.027 | nc |
| Hardness (as CaCO3) | mg/L | - | - | - | - | - | - | 18.5 | 18.2 | 2% | 13.1 | 12.9 | 2% |
| Hardness (as CaCO3), dissolved | mg/L | 12.2 | 11.5 | 6% | 10.3 | 10.7 | 4% | 17.7 | 17.9 | 1% | 13.1 | 13.3 | 2% |
| Nitrate (as N) | mg/L | <0.020 | <0.020 | nc | <0.020 | <0.020 | nc | 0.027 | 0.023 | nc | <0.020 | 0.025 | nc |
| Nitrate + Nitrite (as N) | mg/L | <0.0224 | <0.0224 | nc | <0.0224 | <0.0224 | nc | 0.0270 | 0.0230 | nc | <0.022 | 0.0250 | nc |
| Nitrite (as N) | mg/L | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc |
| pH, lab | S.U. | 7.09 | 7.20 | 2% | 7.18 | 7.17 | 0% | 6.59 | 6.74 | 2% | 6.24 | 6.02 | 4% |
| Phosphorus, Total | mg/L | 0.0119 | 0.0099 | nc | 0.0135 | 0.0127 | 6% | 0.0233 | 0.0226 | 3% | 0.0237 | 0.0229 | 3% |
| Phosphorus, Total (Dissolved) | mg/L | 0.0069 | 0.0072 | nc | 0.0132 | 0.0037 | nc | 0.0071 | 0.0086 | nc | 0.0142 | 0.0148 | 4% |
| Sulfate | mg/L | 1.22 | 1.38 | nc | 0.92 | 0.92 | nc | 0.59 | 0.59 | nc | <0.30 | <0.30 | nc |
| Thiocyanate | mg/L | <0.50 | <0.50 | nc | <0.50 | <0.50 | nc | 0.62 | 0.63 | nc | 0.51 | <0.50 | nc |
| Total Dissolved Solids | mg/L | 22.5 | 30.3 | **30%** | 15.4 | 17.0 | 10% | 64.9 | 58.7 | 10% | 55.3 | 51.6 | 7% |
| Total Kjeldahl Nitrogen | mg/L | 0.379 | 0.373 | 2% | 0.318 | 0.321 | 1% | 1.04 | 1.04 | 0% | 0.714 | 0.704 | 1% |
| Total Organic Carbon | mg/L | 9.38 | 8.86 | 6% | 7.87 | 8.19 | 4% | 25.2 | 27.6 | 9% | 18.7 | 18.7 | 0% |
| Total Suspended Solids | mg/L | <1.0 | <1.0 | nc | 1.6 | 1.0 | nc | 1.3 | 2.3 | nc | 1.6 | 2.2 | nc |
| Turbidity, Lab | NTU | 0.24 | 0.19 | nc | 1.37 | 1.15 | 17% | 1.32 | 1.32 | 0% | 3.36 | 3.36 | 0% |
| **Metals, Dissolved** | | | | | | | | | | | | | |
| Aluminum | mg/L | 0.0058 | 0.0061 | 5% | 0.0114 | 0.0132 | 15% | 0.0681 | 0.0718 | 5% | 0.0665 | 0.0690 | 4% |
| Antimony | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Arsenic | mg/L | 0.00018 | 0.00013 | nc | 0.00012 | 0.00014 | nc | 0.00027 | 0.00027 | nc | 0.00024 | 0.00023 | nc |
| Barium | mg/L | 0.00678 | 0.00620 | 9% | 0.00541 | 0.00570 | 5% | 0.0104 | 0.0105 | 1% | 0.00690 | 0.00738 | 7% |
| Beryllium | mg/L | <0.000020 | <0.000020 | nc | <0.000020 | 0.000027 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc |
| Bismuth | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Boron | mg/L | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc |
| Cadmium | mg/L | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc |
| Calcium | mg/L | 3.48 | 3.26 | 7% | 2.91 | 3.08 | 6% | 5.59 | 5.62 | 1% | 3.97 | 3.98 | 0% |
| Cesium | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | 0.000010 | nc | 0.000017 | 0.000015 | nc | <0.000010 | <0.000010 | nc |
| Chromium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Cobalt | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | 0.00035 | 0.00036 | nc |
| Copper | mg/L | 0.00069 | 0.00065 | nc | 0.00064 | 0.00063 | nc | 0.00044 | 0.00054 | nc | <0.00020 | <0.00020 | nc |
| Iron | mg/L | 0.021 | 0.018 | nc | 0.064 | 0.065 | 2% | 0.501 | 0.535 | 7% | 2.17 | 2.23 | 3% |
| Lead | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Lithium | mg/L | 0.0010 | <0.0010 | nc | 0.0016 | 0.0017 | nc | 0.0016 | 0.0017 | nc | 0.0016 | 0.0016 | nc |
| Magnesium | mg/L | 0.866 | 0.823 | 5% | 0.733 | 0.741 | 1% | 0.903 | 0.930 | 3% | 0.778 | 0.812 | 4% |
| Manganese | mg/L | 0.00078 | 0.00076 | 3% | 0.00100 | 0.00104 | 4% | 0.0104 | 0.0108 | 4% | 0.0868 | 0.0889 | 2% |
| Mercury | mg/L | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 SFP | nc | <0.0000050 | <0.0000050 | nc |
| Methyl Mercury | µg/L | <0.000020 | 0.000022 | nc | <0.000020 | <0.000020 | nc | - | - | - | 0.000125 | - | - |
| Molybdenum | mg/L | 0.000116 | 0.000111 | nc | 0.000067 | 0.000099 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Nickel | mg/L | 0.00061 | 0.00057 | nc | 0.00058 | 0.00056 | nc | <0.00050 | <0.00050 | nc | <0.00050 | 0.00080 | nc |
| Phosphorus | mg/L | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc |
| Potassium | mg/L | 0.657 | 0.603 | 9% | 0.523 | 0.526 | 1% | 1.00 | 1.02 | 2% | 0.284 | 0.309 | 8% |
| Rubidium | mg/L | 0.00117 | 0.00102 | 14% | 0.00098 | 0.00091 | nc | 0.00159 | 0.00159 | 0% | 0.00058 | 0.00053 | nc |
| Selenium | mg/L | 0.000070 | 0.000070 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Silicon | mg/L | 1.64 | 1.48 | 10% | 1.91 | 1.85 | 3% | 2.76 | 2.76 | 0% | 3.60 | 3.61 | 0% |
| Silver | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Sodium | mg/L | 1.27 | 1.26 | 1% | 1.08 | 1.06 | 2% | 1.15 | 1.19 | 3% | 0.881 | 0.919 | 4% |
| Strontium | mg/L | 0.0154 | 0.0142 | 8% | 0.0120 | 0.0125 | 4% | 0.0137 | 0.0134 | 2% | 0.0114 | 0.0116 | 2% |
| Sulfur | mg/L | <0.50 | <0.50 | nc | <0.50 | <0.50 | nc | <0.50 | <0.50 | nc | <0.50 | <0.50 | nc |
| Tellurium | mg/L | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc |
| Thallium | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | 0.000014 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Thorium | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Tin | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Titanium | mg/L | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc | 0.00060 | 0.00057 | nc | 0.00130 | 0.00140 | nc |
| Tungsten | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Uranium | mg/L | 0.000020 | 0.000019 | nc | 0.000015 | 0.000024 | nc | 0.000015 | 0.000014 | nc | <0.000010 | <0.000010 | nc |
| Vanadium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Zinc | mg/L | 0.0012 | 0.0015 | nc | <0.0010 | <0.0010 | nc | 0.0026 | 0.0030 | nc | 0.0016 | 0.0019 | nc |
| Zirconium | mg/L | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc |
| **Metals, Total** | | | | | | | | | | | | | |
| Aluminum | mg/L | 0.0096 | 0.0078 | nc | 0.0234 | 0.0241 | 3% | 0.0814 | 0.0809 | 1% | 0.0724 | 0.0757 | 4% |
| Antimony | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Arsenic | mg/L | 0.00017 | 0.00019 | nc | 0.00016 | 0.00011 | nc | 0.00030 | 0.00029 | nc | 0.00029 | 0.00028 | nc |
| Barium | mg/L | 0.00678 | 0.00691 | 2% | 0.00602 | 0.00595 | 1% | 0.0115 | 0.0113 | 2% | 0.00750 | 0.00742 | 1% |
| Beryllium | mg/L | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc |
| Bismuth | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Boron | mg/L | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc |
| Cadmium | mg/L | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | 0.0000053 | <0.0000050 | nc |
| Calcium | mg/L | 3.35 | 3.60 | 7% | 2.90 | 2.97 | 2% | 5.87 | 5.77 | 2% | 3.97 | 3.90 | 2% |
| Cesium | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | 0.000017 | 0.000017 | nc | <0.000010 | <0.000010 | nc |
| Chromium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 RRV | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Chromium (Hexavalent) | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | 0.00299 RRV | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Cobalt | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | 0.00037 | 0.00038 | nc |
| Copper | mg/L | 0.00096 | 0.00093 | nc | 0.00075 | 0.00078 | nc | 0.00053 | 0.00071 | nc | <0.00050 | <0.00050 | nc |
| Iron | mg/L | 0.034 | 0.029 | nc | 0.201 | 0.209 | 4% | 0.799 | 0.804 | 1% | 2.92 | 2.98 | 2% |
| Lead | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc | <0.000050 | 0.000054 | nc | <0.000050 | <0.000050 | nc |
| Lithium | mg/L | <0.0010 | <0.0010 | nc | 0.0014 | 0.0012 | nc | 0.0021 | 0.0020 | nc | <0.0010 | <0.0010 | nc |
| Magnesium | mg/L | 0.841 | 0.876 | 4% | 0.759 | 0.756 | 0% | 0.922 | 0.917 | 1% | 0.763 | 0.769 | 1% |
| Manganese | mg/L | 0.00174 | 0.00124 | **34%** | 0.0163 | 0.0164 | 1% | 0.0171 | 0.0175 | 2% | 0.0869 | 0.0884 | 2% |
| Mercury | mg/L | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc |
| Methyl Mercury | µg/L | 0.000022 | 0.000028 | nc | 0.000028 | 0.000025 | nc | - | - | - | 0.000155 | - | - |
| Molybdenum | mg/L | 0.000108 | 0.000116 | nc | 0.000079 | 0.000099 | nc | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Nickel | mg/L | 0.00068 | 0.00070 | nc | 0.00065 | 0.00068 | nc | <0.00050 | <0.00050 | nc | 0.00060 | 0.00063 | nc |
| Phosphorus | mg/L | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc |
| Potassium | mg/L | 0.622 | 0.638 | 3% | 0.571 | 0.560 | 2% | 0.964 | 0.970 | 1% | 0.280 | 0.281 | 0% |
| Rubidium | mg/L | 0.00115 | 0.00118 | 3% | 0.00099 | 0.00103 | nc | 0.00170 | 0.00165 | 3% | 0.00056 | 0.00057 | nc |
| Selenium | mg/L | 0.000055 DTSE | 0.000069 | nc | <0.000050 | <0.000050 | nc | 0.000066 | 0.000077 | nc | 0.000051 | <0.000050 | nc |
| Silicon | mg/L | 1.63 | 1.66 | 2% | 1.91 | 1.90 | 1% | 2.87 | 2.92 | 2% | 3.56 | 3.55 | 0% |
| Silver | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Sodium | mg/L | 1.28 | 1.27 | 1% | 1.08 | 1.06 | 2% | 1.17 | 1.18 | 1% | 0.975 | 1.03 | 5% |
| Strontium | mg/L | 0.0154 | 0.0164 | 6% | 0.0124 | 0.0125 | 1% | 0.0141 | 0.0142 | 1% | 0.0117 | 0.0120 | 3% |
| Sulfur | mg/L | <0.50 | <0.50 | nc | <0.50 | <0.50 | nc | <0.50 | <0.50 | nc | <0.50 | <0.50 | nc |
| Tellurium | mg/L | <0.00020 | <0.00020 | nc | <0.00020 | 0.00024 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc |
| Thallium | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Thorium | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Tin | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Titanium | mg/L | <0.00030 | <0.00030 | nc | 0.00040 | 0.00040 | nc | 0.00094 | 0.00068 | nc | 0.00186 | 0.00178 | 4% |
| Tungsten | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Uranium | mg/L | 0.000021 | 0.000023 | nc | 0.000017 | 0.000020 | nc | 0.000018 | 0.000017 | nc | <0.000010 | <0.000010 | nc |
| Vanadium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Zinc | mg/L | <0.0030 | 0.0049 | nc | <0.0030 | <0.0030 | nc | <0.0030 | <0.0030 | nc | <0.0030 | <0.0030 | nc |
| Zirconium | mg/L | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc |

See notes on last page

# Table C.1-3: Summary of Surface Water QA/QC Results – 2025 RPDs
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| Sample Location | | AQM75-Surface | | | AQM76-T75 | | |
|---|---|---|---|---|---|---|---|
| Sample Date | | 23-Jan-25 | 23-Jan-25 | | 24-Feb-25 | 24-Feb-25 | |
| Sample ID | | AQM75 | QC-02 | | AQM76 - T75 | QC - 01 | |
| Sampling Company | | STANTEC | STANTEC | | STANTEC | STANTEC | |
| Laboratory | | ALS | ALS | | ALS | ALS | |
| Laboratory Work Order | | WP2501015 | WP2501015 | | WP2502751 | WP2502751 | |
| Laboratory Sample ID | | WP2501015-007 | WP2501015-012 | RPD | WP2502751-002 | WP2502751-004 | RPD |
| Sample Type | Units | | Field Duplicate | (%) | | Field Duplicate | (%) |
| **General Chemistry** | | | | | | | |
| Acidity as CaCO3 | mg/L | 5.1 | 3.8 | nc | <2.0 | 2.5 | nc |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | 13.2 | 13.8 | 4% | 9.4 | 9.3 | nc |
| Alkalinity, Carbonate (as CaCO3) | mg/L | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc |
| Alkalinity, Phenolphthalein | mg/L | <2.0 | <2.0 | nc | <2.0 | <2.0 | nc |
| Alkalinity, Total (as CaCO3) | mg/L | 13.2 | 13.8 | 4% | 9.4 | 9.3 | nc |
| Ammonia (as N) | mg/L | 0.121 | 0.106 | 13% | 0.0281 | 0.0300 | 7% |
| Bromide | mg/L | <0.10 | <0.10 | nc | <0.10 | <0.10 | nc |
| Chloride | mg/L | <0.50 | <0.50 | nc | <0.50 | <0.50 | nc |
| Cyanate | mg/L | <0.20 | <0.20 | nc | <0.20 | <0.20 | nc |
| Cyanide | mg/L | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc |
| Cyanide (Free) | mg/L | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc |
| Cyanide (Weak Acid Dissociable) | mg/L | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc |
| Dissolved Organic Carbon (DOC) | mg/L | 18.2 | 17.5 | 4% | 7.25 | 7.07 | 3% |
| Electrical Conductivity, Lab | µS/cm | 31.0 | 30.9 | 0% | 27.4 | 27.7 | 1% |
| Fluoride | mg/L | 0.037 | 0.037 | nc | 0.063 | 0.063 | nc |
| Hardness (as CaCO3) | mg/L | - | - | - | - | - | - |
| Hardness (as CaCO3), dissolved | mg/L | 14.8 | 15.0 | 1% | 10.2 | 10.1 | 1% |
| Nitrate (as N) | mg/L | <0.020 | <0.020 | nc | 0.076 | 0.088 | nc |
| Nitrate + Nitrite (as N) | mg/L | <0.0224 | <0.0224 | nc | 0.0760 | 0.0880 | nc |
| Nitrite (as N) | mg/L | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc |
| pH, lab | S.U. | 6.58 | 6.58 | 0% | 6.77 | 6.75 | 0% |
| Phosphorus, Total | mg/L | 0.0205 | 0.0427 | **70%** | 0.0125 | 0.0120 | 4% |
| Phosphorus, Total (Dissolved) | mg/L | 0.0054 | 0.0054 | nc | - | - | - |
| Sulfate | mg/L | <0.30 | <0.30 | nc | 1.08 | 1.07 | nc |
| Thiocyanate | mg/L | 0.59 SFT | 0.61 SFT | nc | <0.50 | <0.50 | nc |
| Total Dissolved Solids | mg/L | 35.8 | 39.8 | 11% | 28.9 | 26.4 | 9% |
| Total Kjeldahl Nitrogen | mg/L | 0.692 | 0.756 | 9% | 0.304 | 0.317 | 4% |
| Total Organic Carbon | mg/L | 19.2 | 18.8 | 2% | 7.30 | 7.40 | 1% |
| Total Suspended Solids | mg/L | <1.0 | 1.8 | nc | <1.0 | <1.0 | nc |
| Turbidity, Lab | NTU | 1.55 | 1.28 | 19% | 0.83 | 0.91 | 9% |
| **Metals, Dissolved** | | | | | | | |
| Aluminum | mg/L | 0.0337 | 0.0328 | 3% | 0.0058 | 0.0053 | 9% |
| Antimony | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Arsenic | mg/L | 0.00023 | 0.00021 | nc | 0.00015 | 0.00014 | nc |
| Barium | mg/L | 0.00912 | 0.00904 | 1% | 0.00648 | 0.00640 | 1% |
| Beryllium | mg/L | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc |
| Bismuth | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Boron | mg/L | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc |
| Cadmium | mg/L | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc |
| Calcium | mg/L | 4.76 | 4.81 | 1% | 2.84 | 2.80 | 1% |
| Cesium | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Chromium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Cobalt | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Copper | mg/L | 0.00119 | 0.00021 | nc | 0.00119 RRV | 0.00073 RRV | nc |
| Iron | mg/L | 0.584 | 0.537 | 8% | 0.067 | 0.066 | 2% |
| Lead | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Lithium | mg/L | <0.0010 | 0.0010 | nc | 0.0018 | 0.0016 | nc |
| Magnesium | mg/L | 0.720 | 0.737 | 2% | 0.752 | 0.765 | 2% |
| Manganese | mg/L | 0.0526 | 0.0532 | 1% | 0.00819 | 0.00806 | 2% |
| Mercury | mg/L | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc |
| Methyl Mercury | µg/L | 0.000105 | 0.000041 | nc | 0.000020 | <0.000020 | nc |
| Molybdenum | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Nickel | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Phosphorus | mg/L | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc |
| Potassium | mg/L | 0.514 | 0.500 | 3% | 0.595 | 0.601 | 1% |
| Rubidium | mg/L | 0.00087 | 0.00100 | nc | 0.00108 | 0.00112 | 4% |
| Selenium | mg/L | 0.000126 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Silicon | mg/L | 1.36 | 1.22 | 11% | 3.84 | 3.74 | 3% |
| Silver | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Sodium | mg/L | 0.836 | 0.831 | 1% | 1.25 | 1.22 | 2% |
| Strontium | mg/L | 0.0122 | 0.0124 | 2% | 0.0137 | 0.0139 | 1% |
| Sulfur | mg/L | 0.80 | <0.50 | nc | <0.50 | <0.50 | nc |
| Tellurium | mg/L | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc |
| Thallium | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Thorium | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Tin | mg/L | 0.00026 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Titanium | mg/L | <0.00030 | 0.00033 | nc | <0.00030 | <0.00030 | nc |
| Tungsten | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Uranium | mg/L | <0.000010 | <0.000010 | nc | 0.000011 | 0.000012 | nc |
| Vanadium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Zinc | mg/L | 0.0026 | 0.0017 | nc | 0.0022 | 0.0012 | nc |
| Zirconium | mg/L | <0.00030 | <0.00030 | nc | <0.00030 | <0.00030 | nc |
| **Metals, Total** | | | | | | | |
| Aluminum | mg/L | 0.0773 | 0.0383 | **67%** | 0.0150 | 0.0150 | 0% |
| Antimony | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Arsenic | mg/L | 0.00026 | 0.00021 | nc | 0.00018 | 0.00017 | nc |
| Barium | mg/L | 0.0108 | 0.00973 | 10% | 0.00664 | 0.00657 | 1% |
| Beryllium | mg/L | <0.000020 | <0.000020 | nc | <0.000020 | <0.000020 | nc |
| Bismuth | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Boron | mg/L | <0.010 | <0.010 | nc | <0.010 | <0.010 | nc |
| Cadmium | mg/L | 0.0000080 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc |
| Calcium | mg/L | 5.01 | 4.86 | 3% | 2.70 | 2.66 | 1% |
| Cesium | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Chromium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Chromium (Hexavalent) | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Cobalt | mg/L | 0.00015 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Copper | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Iron | mg/L | 1.15 | 0.873 | **27%** | 0.140 | 0.145 | 4% |
| Lead | mg/L | 0.000080 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Lithium | mg/L | 0.0014 | 0.0010 | nc | 0.0012 | <0.0010 | nc |
| Magnesium | mg/L | 0.813 | 0.793 | 2% | 0.780 | 0.757 | 3% |
| Manganese | mg/L | 0.0722 | 0.0571 | **23%** | 0.0124 | 0.0122 | 2% |
| Mercury | mg/L | <0.0000050 | <0.0000050 | nc | <0.0000050 | <0.0000050 | nc |
| Methyl Mercury | µg/L | 0.000126 | 0.000058 | nc | <0.000020 | <0.000020 | nc |
| Molybdenum | mg/L | <0.000050 | <0.000050 | nc | <0.000050 | <0.000050 | nc |
| Nickel | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Phosphorus | mg/L | <0.050 | <0.050 | nc | <0.050 | <0.050 | nc |
| Potassium | mg/L | 0.528 | 0.526 | 0% | 0.644 | 0.624 | 3% |
| Rubidium | mg/L | 0.00088 | 0.00086 | nc | 0.00114 | 0.00108 | 5% |
| Selenium | mg/L | <0.000050 | <0.000050 | nc | 0.000065 | 0.000090 | nc |
| Silicon | mg/L | 1.44 | 1.41 | 2% | 3.68 | 3.69 | 0% |
| Silver | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Sodium | mg/L | 0.854 | 0.858 | 0% | 1.30 | 1.27 | 2% |
| Strontium | mg/L | 0.0132 | 0.0132 | 0% | 0.0132 | 0.0133 | 1% |
| Sulfur | mg/L | <0.50 | <0.50 | nc | <0.50 | <0.50 | nc |
| Tellurium | mg/L | <0.00020 | <0.00020 | nc | <0.00020 | 0.00022 | nc |
| Thallium | mg/L | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc |
| Thorium | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Tin | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Titanium | mg/L | 0.00192 | 0.00044 | nc | 0.00053 | 0.00052 | nc |
| Tungsten | mg/L | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc |
| Uranium | mg/L | 0.000014 | 0.000010 | nc | 0.000017 | 0.000016 | nc |
| Vanadium | mg/L | <0.00050 | <0.00050 | nc | <0.00050 | <0.00050 | nc |
| Zinc | mg/L | 0.0068 | <0.0030 | nc | <0.0030 | <0.0030 | nc |
| Zirconium | mg/L | <0.00020 | <0.00020 | nc | <0.00020 | <0.00020 | nc |

**Notes:**

| | |
|---|---|
| 15.2 | Measured concentration did not exceed the indicated standard. |
| <0.03 | Analyte was not detected at a concentration greater than the laboratory reporting limit. |
| - | Parameter not analyzed / not available. |
| DLB | Detection Limit Raised. Analyte detected at comparable level in Method Blank. |
| DLM | Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity). |
| HTD | Hold time exceeded for re-analysis or dilution, but initial testing was conducted within hold time. |
| RRV | Reported result verified by repeat analysis. |
| SFP | Sample was filtered and preserved at the laboratory. |
| SFT | Sample was filtered due to turbidity interference. Result reflects soluble analyte concentration. |

| | |
|---|---|
| SP | Sample was preserved at the laboratory |
| RPD | Relative Percent Difference. |
| **21%** | RPD exceeds data quality objective of 20%. |
| nc | RPD is not calculated if one or more values is non detect or if one or more values is less than five times the reportable detection limit. |

*Table C.1-4 Summary of Surface Water QA/QC Results – 2025 Blanks*

# Table C.1-4: Summary of Surface Water QA/QC Results – 2025 Blanks
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| Sample Location | | FIELD BLANK | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Date | | 23-Jan-25 | 23-Jan-25 | 28-Feb-25 | 28-Feb-25 | 21-Mar-25 | 21-Mar-25 | 24-Apr-25 | 24-Apr-25 | 24-May-25 | 24-May-25 | 25-Oct-25 |
| Sample ID | | FBA | FBB | FBA | FBB | FBA | FBB | FBA | FBB | FBA | FBB | FBA |
| Sampling Company | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | WP2501015 | WP2501015 | WP2502751 | WP2502751 | WP2503851 | WP2503851 | WP2505523 | WP2505523 | WP2507298 | WP2507298 | WP2518837 |
| Laboratory Sample ID | | WP2501015-024 | WP2501015-025 | WP2502751-029 | WP2502751-030 | WP2503851-033 | WP2503851-034 | WP2505523-030 | WP2505523-031 | WP2507298-022 | WP2507298-023 | WP2518837-035 |
| Sample Type | Units | Field Blank | Field Blank | Field Blank | Field Blank | Field Blank | Field Blank | Field Blank | Field Blank | Field Blank | Field Blank | Field Blank |
| **General Chemistry** | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Carbonate (as CaCO3) | mg/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Phenolphthalein | mg/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Total (as CaCO3) | mg/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Ammonia (as N) | mg/L | <0.0050 | <0.0050 | 0.0077 | <0.0050 | 0.0058 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | 0.0230 RRV |
| Bromide | mg/L | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| Chloride | mg/L | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Cyanate | mg/L | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| Cyanide | mg/L | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Free) | mg/L | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Weak Acid Dissociable) | mg/L | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Dissolved Organic Carbon (DOC) | mg/L | 1.11 RRV | <0.50 | 0.66 | <0.50 | 2.22 RRV | <0.50 | 0.56 | <0.50 | 1.38 RRV | <0.50 | 3.41 RRV |
| Electrical Conductivity, Lab | µS/cm | <1.0 | <1.0 | 1.0 | <1.0 | <1.0 | 1.0 | 1.6 | 1.4 | <1.0 | <1.0 | 1.5 |
| Fluoride | mg/L | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 |
| Hardness (as CaCO3) | mg/L | - | - | - | - | - | - | - | - | - | - | <0.50 |
| Hardness (as CaCO3), dissolved | mg/L | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Nitrate (as N) | mg/L | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 |
| Nitrate + Nitrite (as N) | mg/L | <0.0224 | <0.0224 | <0.0224 | <0.0224 | <0.0224 | <0.0224 | <0.0224 | <0.0224 | <0.0224 | <0.0224 | <0.022 |
| Nitrite (as N) | mg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| pH, lab | S.U. | 5.63 | 5.57 | 5.98 | 5.72 | 6.02 | 5.90 | 6.23 | 6.12 | 5.54 | 5.54 | 5.18 |
| Phosphorus, Total | mg/L | <0.0020 | <0.0020 | <0.0020 | <0.0020 | <0.0020 | <0.0020 | <0.0020 | <0.0020 | <0.0020 | <0.0020 | <0.0020 |
| Phosphorus, Total (Dissolved) | mg/L | <0.0020 | <0.0020 | - | - | <0.0020 | <0.0020 | <0.0020 | <0.0020 | <0.0020 | <0.0020 | <0.0020 |
| Sulfate | mg/L | <0.30 | <0.30 | <0.30 | <0.30 | <0.30 | <0.30 | <0.30 | <0.30 | <0.30 | <0.30 | <0.30 |
| Thiocyanate | mg/L | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Total Dissolved Solids | mg/L | <3.0 | <3.0 | <3.0 | 3.2 | 8.0 | 7.1 | 3.4 | 3.8 | 3.8 | 3.7 | <3.0 |
| Total Kjeldahl Nitrogen | mg/L | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.055 |
| Total Organic Carbon | mg/L | <0.50 RRV | <0.50 | <0.50 | <0.50 | <0.50 RRV | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 RRV | <0.50 RRV |
| Total Suspended Solids | mg/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Turbidity, Lab | NTU | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| **Metals, Dissolved** | | | | | | | | | | | | |
| Aluminum | mg/L | 0.0019 | 0.0016 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0014 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Antimony | mg/L | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Barium | mg/L | 0.00021 | 0.00024 | <0.00010 | 0.00020 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Beryllium | mg/L | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Calcium | mg/L | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Cesium | mg/L | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Cobalt | mg/L | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Copper | mg/L | 0.00048 | <0.00020 | <0.00020 | <0.00020 | 0.00033 | <0.00020 | 0.00086 RRV | <0.00020 | 0.00021 | <0.00020 | 0.00042 |
| Iron | mg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Lead | mg/L | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Lithium | mg/L | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Magnesium | mg/L | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | 0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 |
| Manganese | mg/L | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00011 | <0.00010 | 0.00022 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Mercury | mg/L | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | - |
| Molybdenum | mg/L | 0.000895 RRV | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Nickel | mg/L | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Phosphorus | mg/L | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Rubidium | mg/L | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Selenium | mg/L | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Silicon | mg/L | 0.082 | 0.084 | 0.085 | 0.068 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Silver | mg/L | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | 0.124 | 0.106 | 0.070 | 0.097 | <0.050 | <0.050 | 0.097 | <0.050 | <0.050 | <0.050 | <0.050 |
| Strontium | mg/L | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Sulfur | mg/L | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Tellurium | mg/L | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | 0.00160 | 0.00176 | 0.00118 | 0.00231 | 0.00016 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Titanium | mg/L | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |
| Tungsten | mg/L | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Vanadium | mg/L | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | 0.0013 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0014 | <0.0010 | 0.0013 | <0.0010 | 0.0015 |
| Zirconium | mg/L | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |
| **Metals, Total** | | | | | | | | | | | | |
| Aluminum | mg/L | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | 0.0150 | <0.0030 | <0.0030 | <0.0030 | <0.0030 |
| Antimony | mg/L | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00013 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Barium | mg/L | 0.00018 | 0.00022 | 0.00018 | 0.00018 | 0.00021 | <0.00010 | 0.00148 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Beryllium | mg/L | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Cadmium | mg/L | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Calcium | mg/L | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.121 | <0.050 | <0.050 | <0.050 | <0.050 |
| Cesium | mg/L | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | <0.00050 | <0.00050 | 0.00059 | <0.00050 | <0.00050 | <0.00050 RRV | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Chromium (Hexavalent) | mg/L | 0.00056 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00152 RRV | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Cobalt | mg/L | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Copper | mg/L | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00182 |
| Iron | mg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Lead | mg/L | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Lithium | mg/L | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Magnesium | mg/L | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | 0.0131 | <0.0050 | <0.0050 | <0.0050 | <0.0050 |
| Manganese | mg/L | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00010 | 0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Mercury | mg/L | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 M | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | - |
| Molybdenum | mg/L | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Nickel | mg/L | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Phosphorus | mg/L | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Rubidium | mg/L | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Selenium | mg/L | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000073 | 0.000064 | <0.000050 |
| Silicon | mg/L | 0.18 | 0.14 | 0.11 | <0.10 | 0.11 | <0.10 | 0.64 | <0.10 | <0.10 | <0.10 | <0.10 |
| Silver | mg/L | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | 0.110 | 0.120 | 0.102 | 0.097 | 0.100 | <0.050 | 0.259 | <0.050 | <0.050 | <0.050 | <0.050 |
| Strontium | mg/L | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | 0.00068 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Sulfur | mg/L | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Tellurium | mg/L | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | 0.00145 | 0.00166 | 0.00213 | 0.00238 | 0.00202 | <0.00010 | 0.00067 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Titanium | mg/L | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |
| Tungsten | mg/L | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Vanadium | mg/L | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 |
| Zirconium | mg/L | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |

See notes on last page

# Table C.1-4: Summary of Surface Water QA/QC Results – 2025 Blanks
# Lynn Lake Gold Project: Surface Water Management and Monitoring Program
# Alamos Gold Inc.

| **Sample Location** | | **FIELD BLANK (Contd.)** | | | | | **TRIP BLANK** | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Date** | | **25-Oct-25** | **25-Nov-25** | **25-Nov-25** | **16-Dec-25** | **16-Dec-25** | **23-Jan-25** | **1-Mar-25** | **19-Mar-25** | **24-Apr-25** | **25-Nov-25** | **15-Dec-25** |
| **Sample ID** | | **FBB** | **FBA** | **FBB** | **FBA** | **FBB** | **Trip Blank** | **Trip Blank** | **Trip Blank** | **Trip Blank** | **TRIP BLANK** | **Trip Blank** |
| **Sampling Company** | | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** | **STANTEC** |
| **Laboratory** | | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** | **ALS** |
| **Laboratory Work Order** | | **WP2518837** | **WP2520511** | **WP2520511** | **WP2521492** | **WP2521492** | **WP2501015** | **WP2502936** | **WP2503851** | **WP2505523** | **WP2520511** | **WP2521492** |
| **Laboratory Sample ID** | | **WP2518837-036** | **WP2520511-032** | **WP2520511-033** | **WP2521492-025** | **WP2521492-026** | **WP2501015-026** | **WP2502936-019** | **WP2503851-035** | **WP2505523-032** | **WP2520511-034** | **WP2521492-024** |
| **Sample Type** | **Units** | **Field Blank** | **Field Blank** | **Field Blank** | **Field Blank** | **Field Blank** | **Trip Blank** | **Trip Blank** | **Trip Blank** | **Trip Blank** | **Trip Blank** | **Trip Blank** |
| **General Chemistry** | | | | | | | | | | | | |
| Acidity as CaCO3 | mg/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Carbonate (as CaCO3) | mg/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Phenolphthalein | mg/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Alkalinity, Total (as CaCO3) | mg/L | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | - | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Ammonia (as N) | mg/L | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | 0.0217 | <0.0050 | 0.0085 RRV | <0.0050 | <0.0050 | <0.0050 |
| Bromide | mg/L | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | - | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| Chloride | mg/L | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | - | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Cyanate | mg/L | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 | <0.20 |
| Cyanide | mg/L | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Free) | mg/L | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Weak Acid Dissociable) | mg/L | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Dissolved Organic Carbon (DOC) | mg/L | <0.50 | 2.52 RRV | <0.50 | 2.52 | 0.63 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Electrical Conductivity, Lab | µS/cm | <1.0 | <1.0 | <1.0 | 1.3 | <1.0 | - | <1.0 | <1.0 | <1.0 | <1.0 | 1.1 |
| Fluoride | mg/L | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | - | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 |
| Hardness (as CaCO3) | mg/L | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | - | - | - | - | <0.50 | <0.50 |
| Hardness (as CaCO3), dissolved | mg/L | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Nitrate (as N) | mg/L | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | - | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 |
| Nitrate + Nitrite (as N) | mg/L | <0.022 | <0.022 | <0.022 | <0.022 | <0.022 | - | <0.0224 | <0.0224 | <0.0224 | <0.022 | <0.022 |
| Nitrite (as N) | mg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | - | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| pH, lab | S.U. | 5.30 | 5.25 | 5.33 | 5.96 | 5.46 | - | 5.45 | 5.88 | 5.64 | 5.24 | 5.61 |
| Phosphorus, Total | mg/L | <0.0020 | <0.0020 | <0.0020 | <0.0020 | 0.0044 RRV | <0.0020 | <0.0020 | <0.0020 | <0.0020 | <0.0020 | <0.0020 |
| Phosphorus, Total (Dissolved) | mg/L | <0.0020 | <0.0020 | <0.0020 | <0.0020 | 0.0044 RRV | 0.0027 | <0.0020 | <0.0020 | <0.0020 | <0.0020 | <0.0020 |
| Sulfate | mg/L | <0.30 | <0.30 | <0.30 | <0.30 | <0.30 | - | <0.30 | <0.30 | <0.30 | <0.30 | <0.30 |
| Thiocyanate | mg/L | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 RRV | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 RRV |
| Total Dissolved Solids | mg/L | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | - | <3.0 | 8.9 | 4.8 | <3.0 | 3.5 |
| Total Kjeldahl Nitrogen | mg/L | 0.160 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Total Organic Carbon | mg/L | 0.72 | <0.50 RRV | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Total Suspended Solids | mg/L | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | - | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Turbidity, Lab | NTU | <0.10 | <0.10 | 0.55 | <0.10 | <0.10 | - | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| **Metals, Dissolved** | | | | | | | | | | | | |
| Aluminum | mg/L | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0524 | <0.0010 |
| Antimony | mg/L | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Barium | mg/L | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00022 | <0.00010 |
| Beryllium | mg/L | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | 0.013 | <0.010 |
| Cadmium | mg/L | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Calcium | mg/L | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.112 | <0.050 |
| Cesium | mg/L | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Cobalt | mg/L | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Copper | mg/L | <0.00020 | 0.00037 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Iron | mg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Lead | mg/L | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Lithium | mg/L | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0011 | <0.0010 |
| Magnesium | mg/L | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | 0.0140 | <0.0050 |
| Manganese | mg/L | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Mercury | mg/L | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | - | - | - | - | - | <0.000020 | <0.000020 | <0.000020 | <0.000020 | - | - |
| Molybdenum | mg/L | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Nickel | mg/L | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Phosphorus | mg/L | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Rubidium | mg/L | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Selenium | mg/L | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Silicon | mg/L | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Silver | mg/L | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Strontium | mg/L | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | 0.00089 | <0.00020 |
| Sulfur | mg/L | <0.50 | 1.82 RRV | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Tellurium | mg/L | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | <0.00010 | 0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Titanium | mg/L | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |
| Tungsten | mg/L | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Vanadium | mg/L | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0014 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Zirconium | mg/L | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |
| **Metals, Total** | | | | | | | | | | | | |
| Aluminum | mg/L | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | 0.0469 | 0.0422 |
| Antimony | mg/L | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Barium | mg/L | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00021 | 0.00020 |
| Beryllium | mg/L | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 | <0.000020 |
| Bismuth | mg/L | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Boron | mg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | 0.019 |
| Cadmium | mg/L | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Calcium | mg/L | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.086 | 0.088 |
| Cesium | mg/L | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Chromium | mg/L | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Chromium (Hexavalent) | mg/L | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Cobalt | mg/L | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Copper | mg/L | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Iron | mg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| Lead | mg/L | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Lithium | mg/L | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Magnesium | mg/L | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | 0.0060 | <0.0050 | 0.0116 | 0.0108 |
| Manganese | mg/L | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Mercury | mg/L | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| Methyl Mercury | µg/L | - | - | - | - | - | <0.000020 | <0.000020 | <0.000020 | <0.000020 | - | - |
| Molybdenum | mg/L | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Nickel | mg/L | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Phosphorus | mg/L | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Potassium | mg/L | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Rubidium | mg/L | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Selenium | mg/L | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000054 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000056 |
| Silicon | mg/L | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 |
| Silver | mg/L | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.652 | <0.050 | <0.050 | <0.050 |
| Strontium | mg/L | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | 0.00084 | 0.00075 |
| Sulfur | mg/L | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Tellurium | mg/L | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |
| Thallium | mg/L | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Thorium | mg/L | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Tin | mg/L | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.0189 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Titanium | mg/L | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 | <0.00030 |
| Tungsten | mg/L | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Uranium | mg/L | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Vanadium | mg/L | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | <0.0030 |
| Zirconium | mg/L | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 | <0.00020 |

**Notes:**

| | |
|---|---|
| 15.2 | Measured concentration did not exceed the indicated standard. |
| <0.03 | Analyte was not detected at a concentration greater than the laboratory reporting limit. |
| - | Parameter not analyzed / not available. |
| M | Denotes matrix spike recoveries outside QC limits. Matrix bias indicated. |
| RRV | Reported result verified by repeat analysis. |

# C.2 *In Situ* Profiles

# Appendix C.2 – In Situ Profiles

Figure C.2-1 *In Situ Temperature Profiles at Gordon Sites by Month (columns) and Site (rows) at Various Site Groupings (WMI: Water Management Infrastructure; NF: Near-Field; MF: Mid-Field; FF: Far-Field; Ref: Reference)*

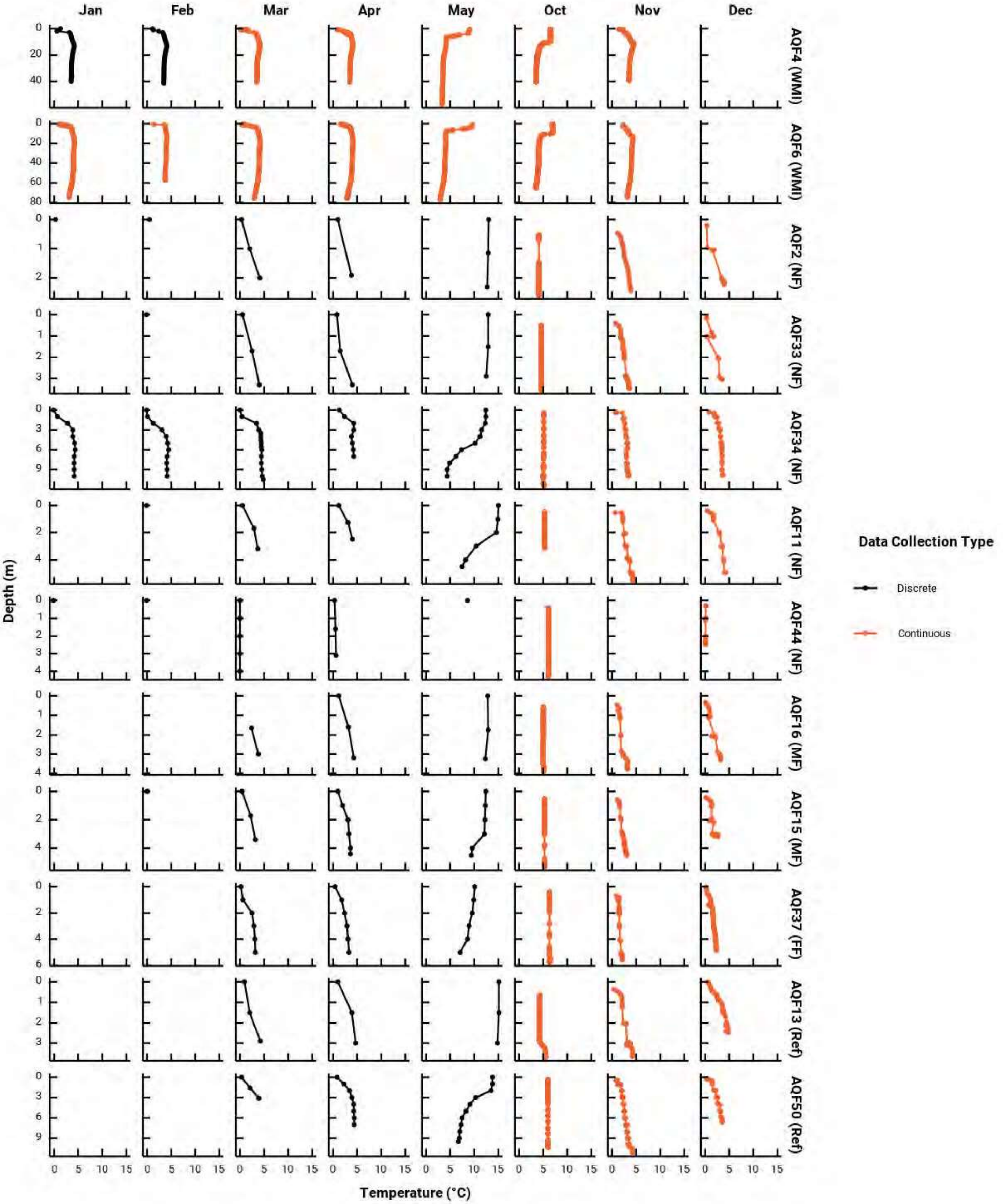


*Figure C.2-2 In Situ Dissolved Oxygen Profiles at Gordon Sites by Month (columns) and Site (rows) at Various Site Groupings (WMI: Water Management Infrastructure; NF: Near-Field; MF: Mid-Field; FF: Far-Field; Ref: Reference)*

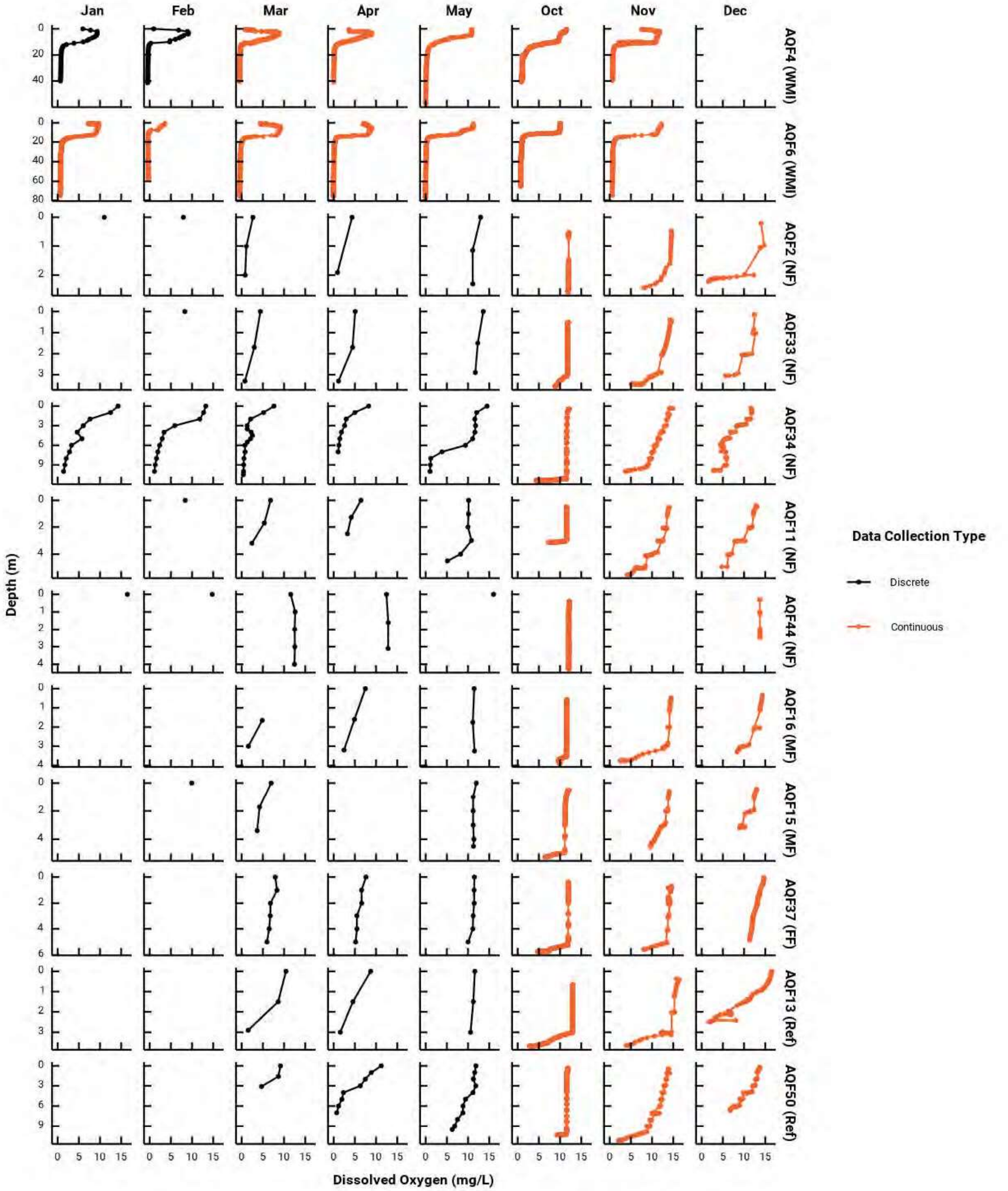


*Figure C.2-3 In Situ pH Profiles at Gordon Sites by Month (columns) and Site (rows) at Various Site Groupings (WMI: Water Management Infrastructure; NF: Near-Field; MF: Mid-Field; FF: Far-Field; Ref: Reference)*

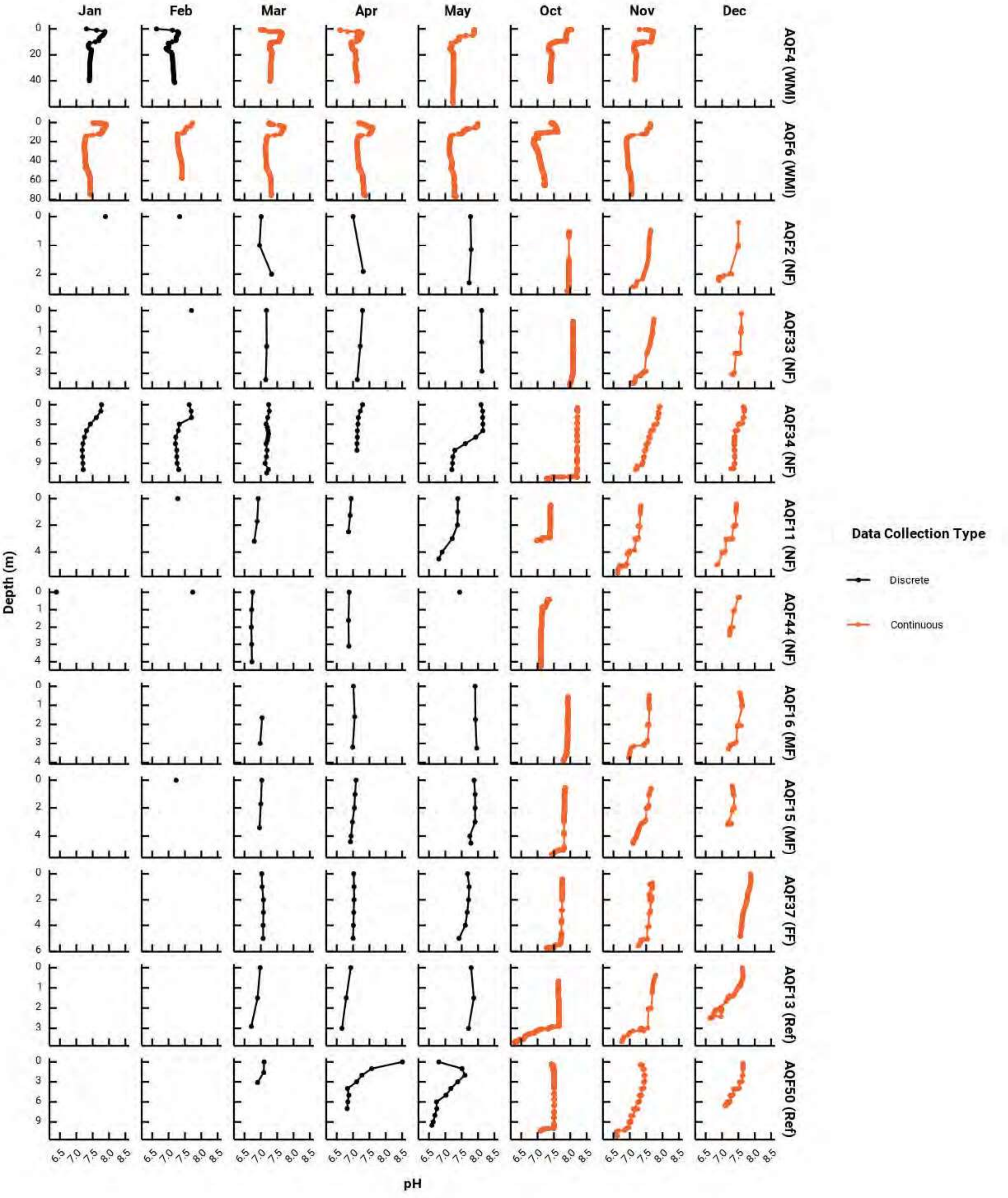


*Figure C.2-4 In Situ Specific Conductance Profiles at Gordon Sites by Month (columns) and Site (rows) at Various Site Groupings (WMI: Water Management Infrastructure; NF: Near-Field; MF: Mid-Field; FF: Far-Field; Ref: Reference)*

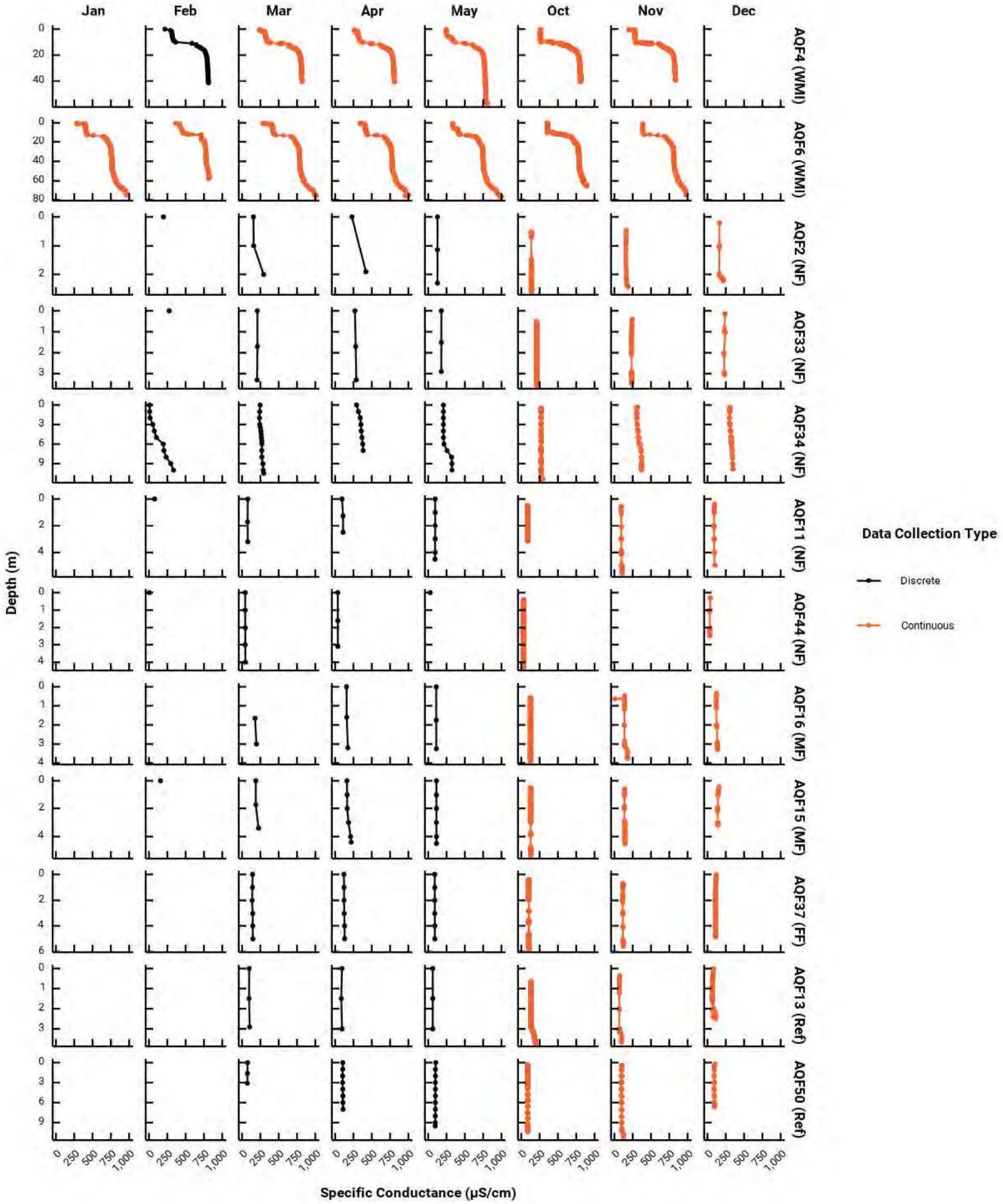


*Figure C.2-5 In Situ Total Dissolved Solids Profiles at Gordon Sites by Month (columns) and Site (rows) at Various Site Groupings (WMI: Water Management Infrastructure; NF: Near-Field; MF: Mid-Field; FF: Far-Field; Ref: Reference)*

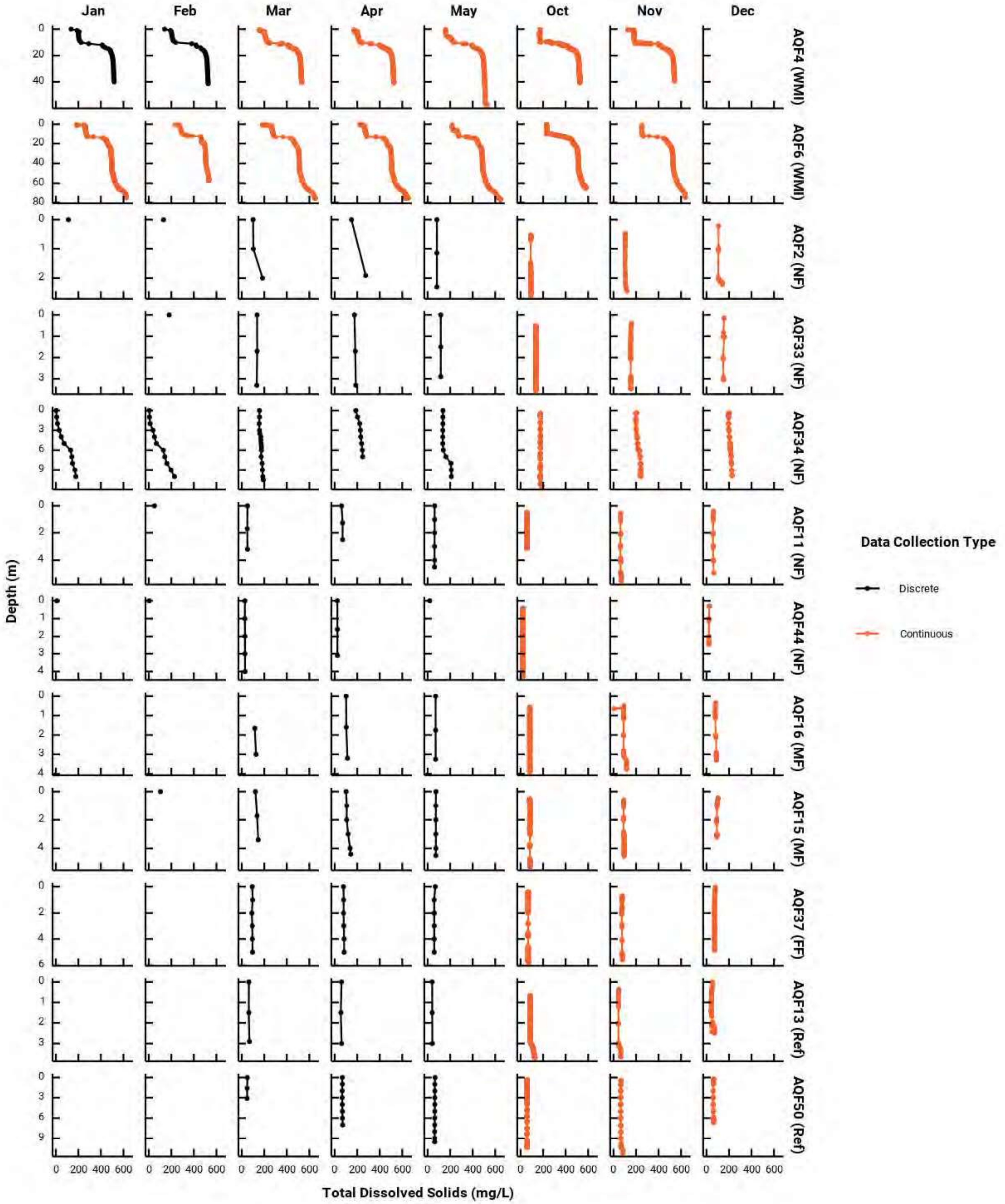


*Figure C.2-6 In Situ Oxidation-Reduction Potential Profiles at Gordon Sites by Month (columns) and Site (rows) at Various Site Groupings (WMI: Water Management Infrastructure; NF: Near-Field; MF: Mid-Field; FF: Far-Field; Ref: Reference)*

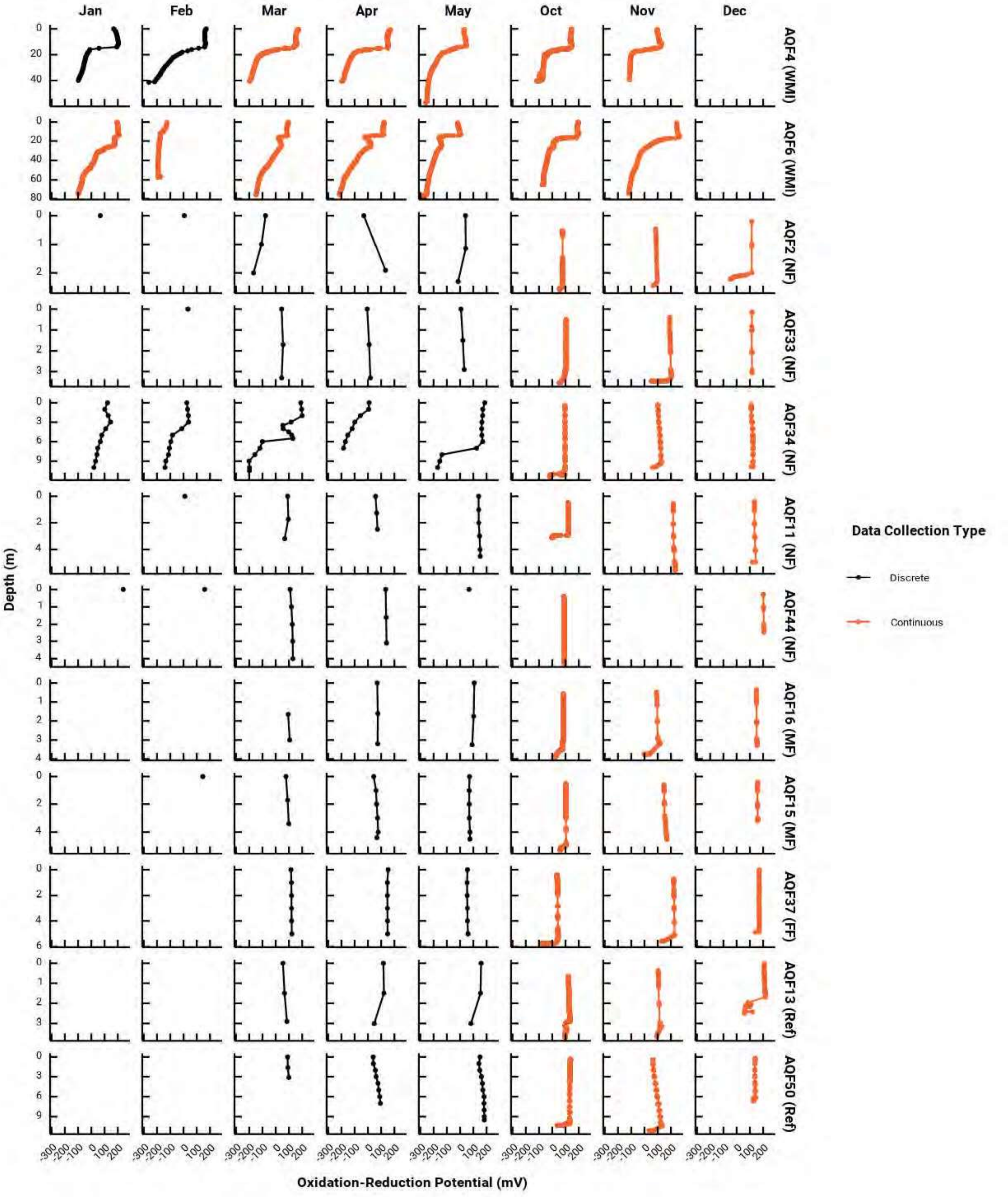


*Figure C.2-7 In Situ Temperature Profiles at MacLellan Sites by Month (columns) and Site (rows) at Various Site Groupings (WMI: Water Management Infrastructure; NF: Near-Field; MF: Mid-Field; FF: Far-Field; Ref: Reference)*

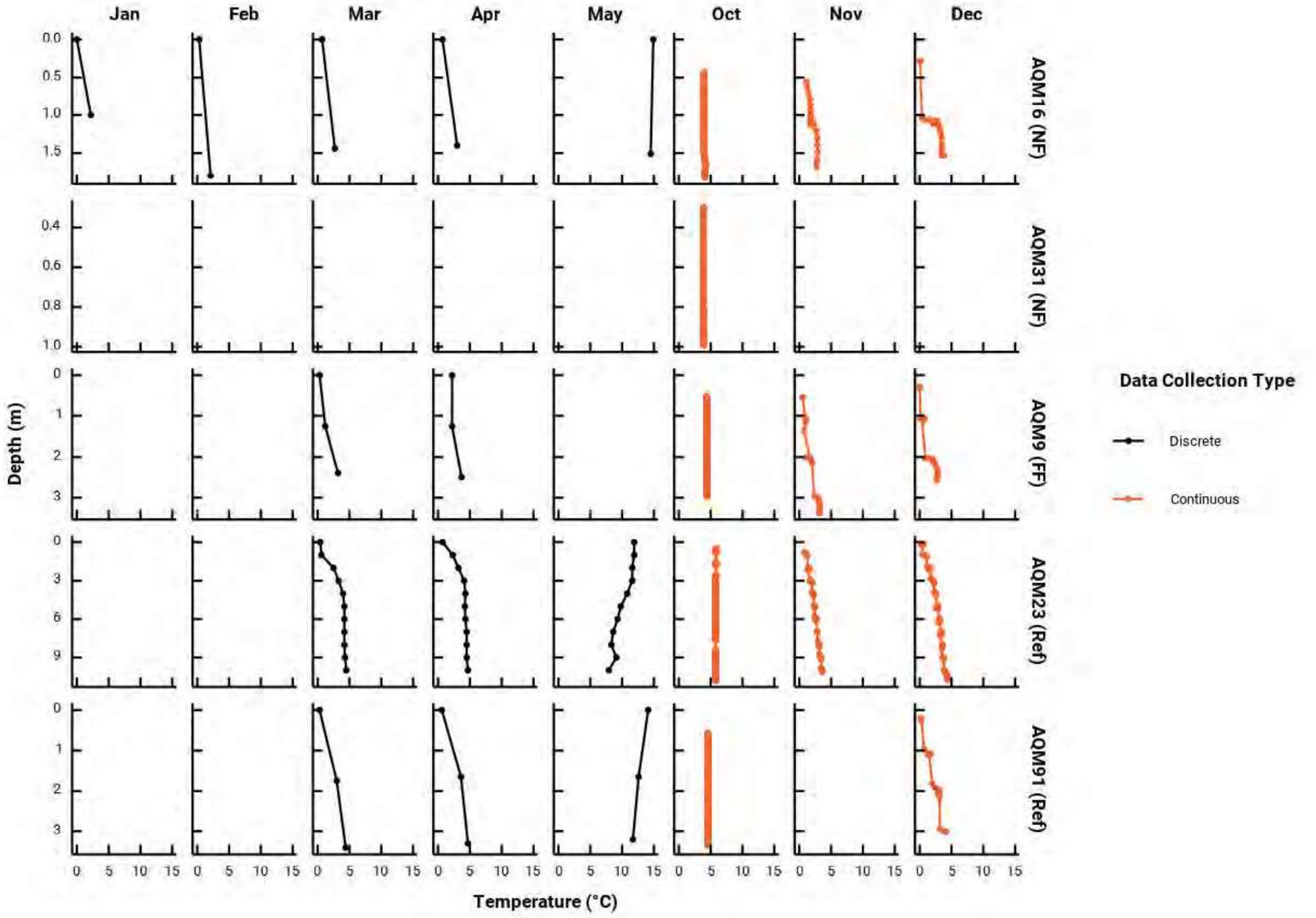


Figure C.2-8 In Situ Dissolved Oxygen Profiles at MacLellan Sites by Month (columns) and Site (rows) at Various Site Groupings (WMI: Water Management Infrastructure; NF: Near-Field; MF: Mid-Field; FF: Far-Field; Ref: Reference)

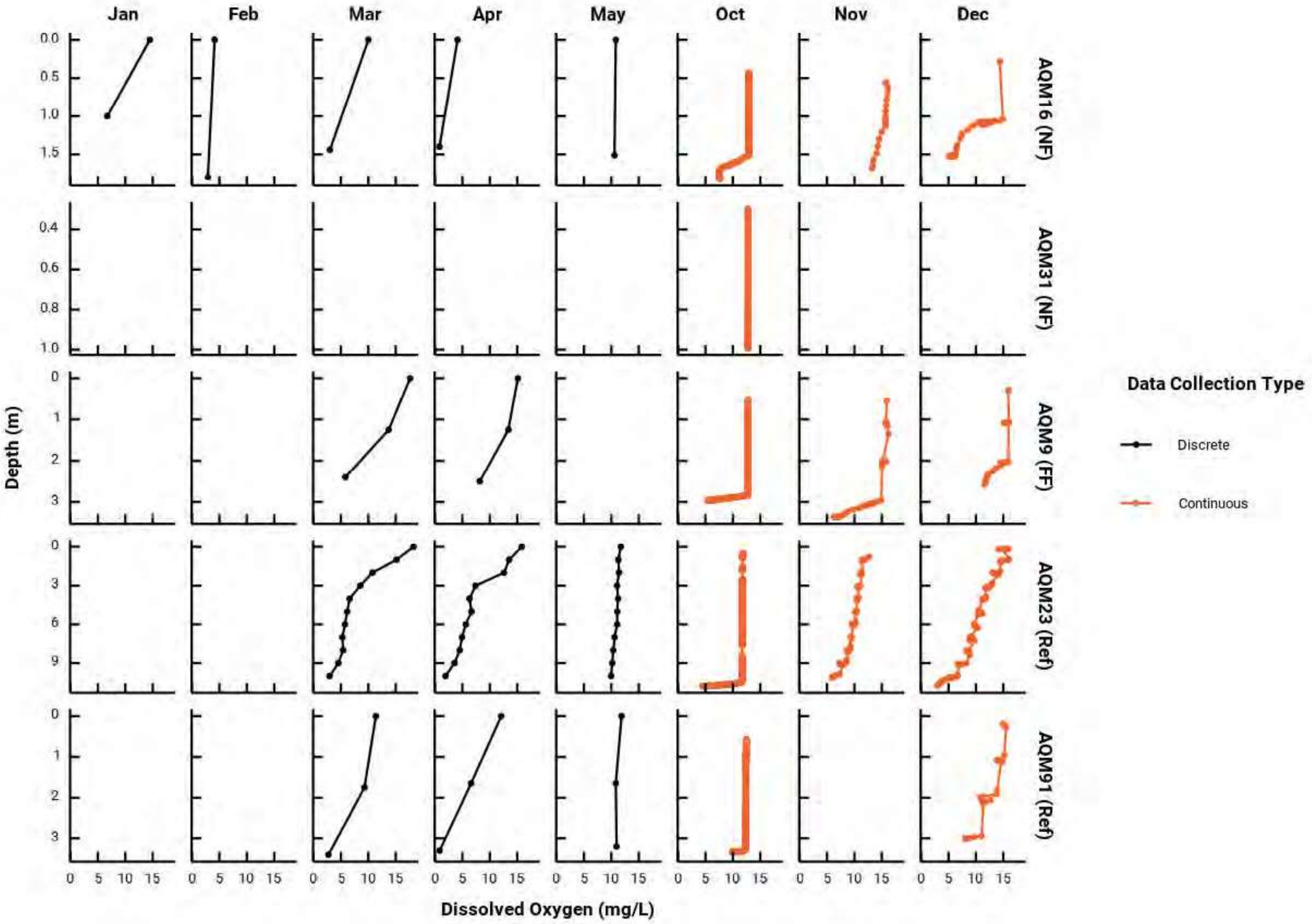


*Figure C.2-9 In Situ pH Profiles at MacLellan Sites by Month (columns) and Site (rows) at Various Site Groupings (WMI: Water Management Infrastructure; NF: Near-Field; MF: Mid-Field; FF: Far-Field; Ref: Reference)*

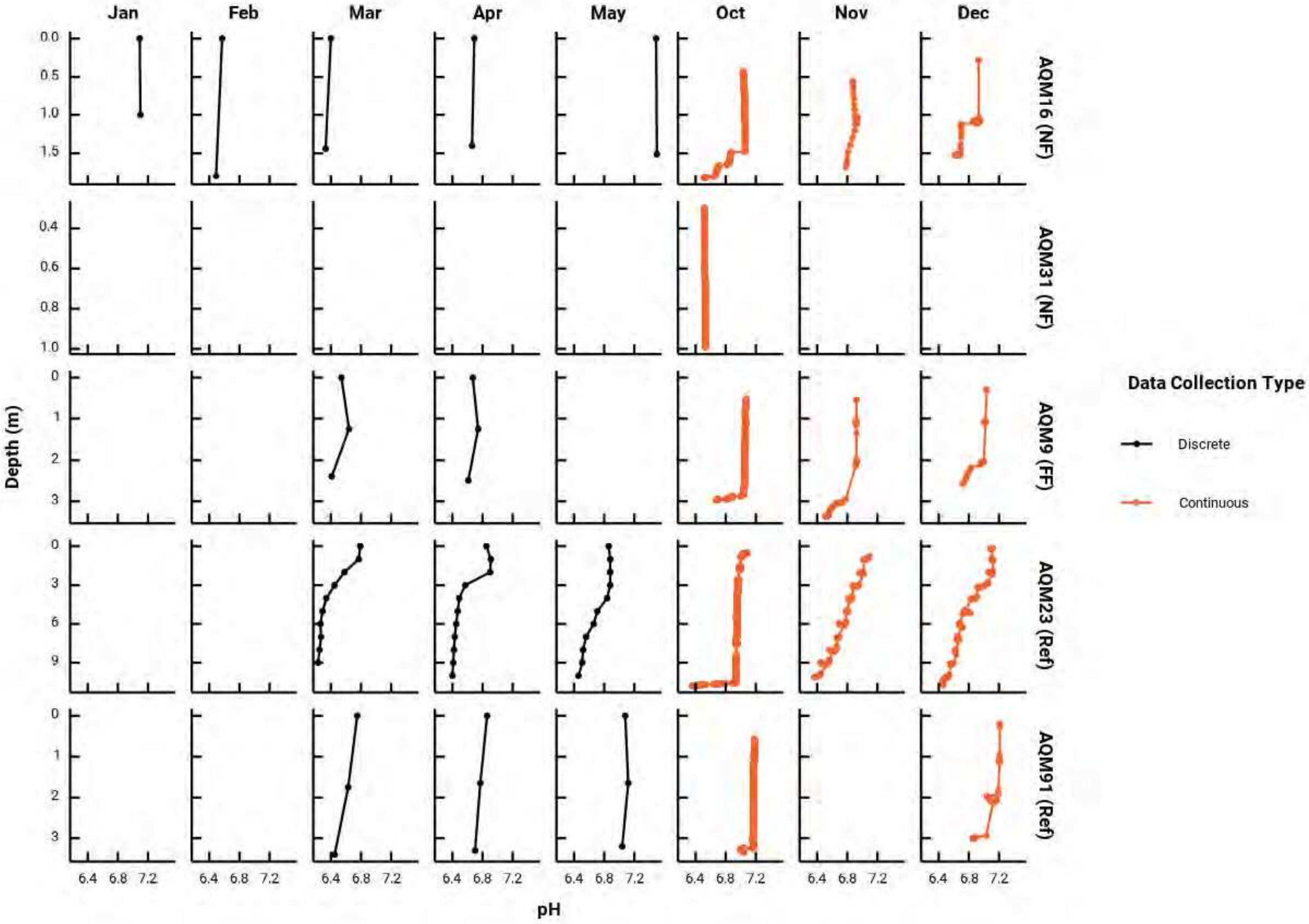


*Figure C.2-10 In Situ Specific Conductance Profiles at MacLellan Sites by Month (columns) and Site (rows) at Various Site Groupings (WMI: Water Management Infrastructure; NF: Near-Field; MF: Mid-Field; FF: Far-Field; Ref: Reference)*

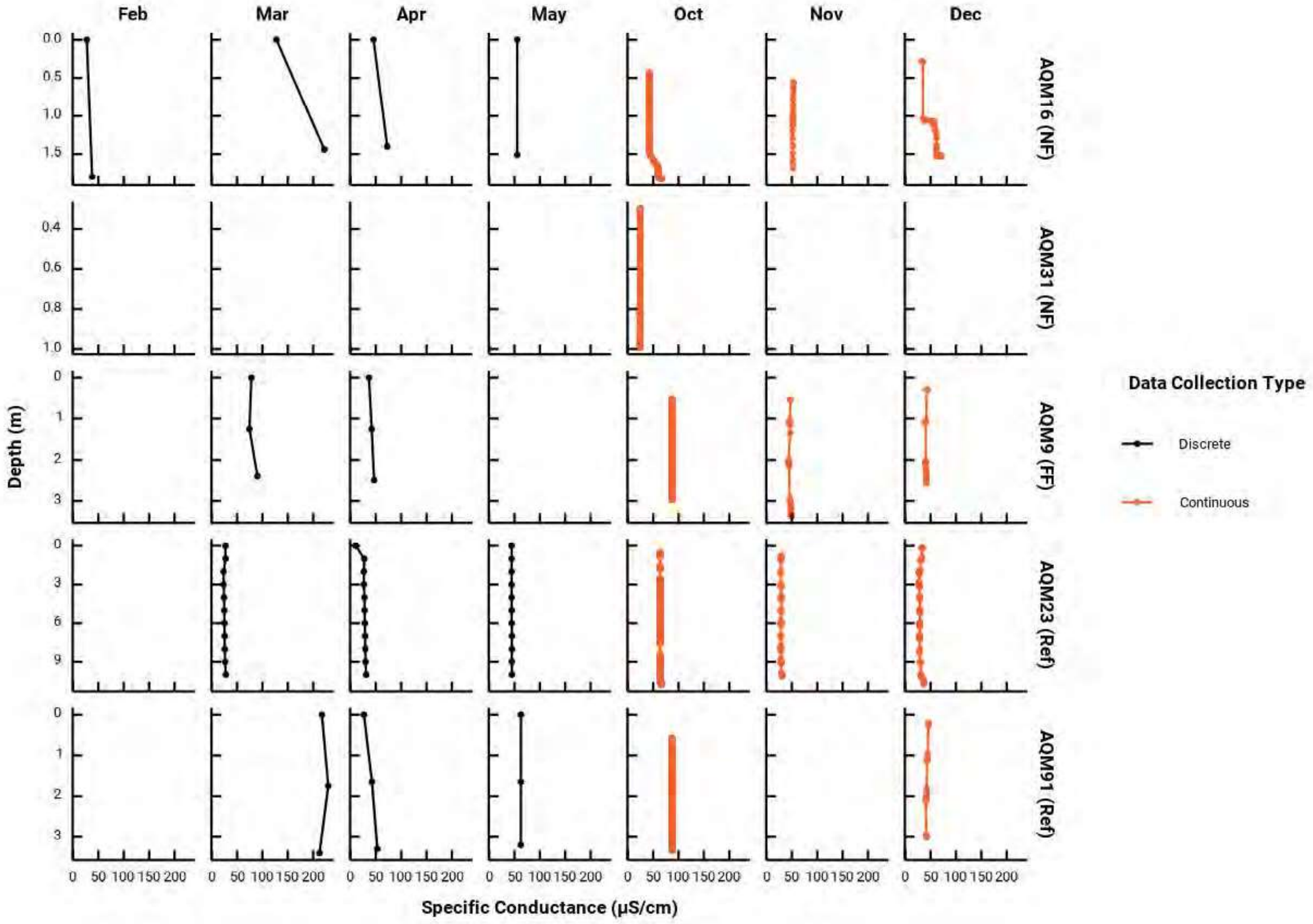


*Figure C.2-11 In Situ Total Dissolved Solids Profiles at MacLellan Sites by Month (columns) and Site (rows) at Various Site Groupings (WMI: Water Management Infrastructure; NF: Near-Field; MF: Mid-Field; FF: Far-Field; Ref: Reference)*

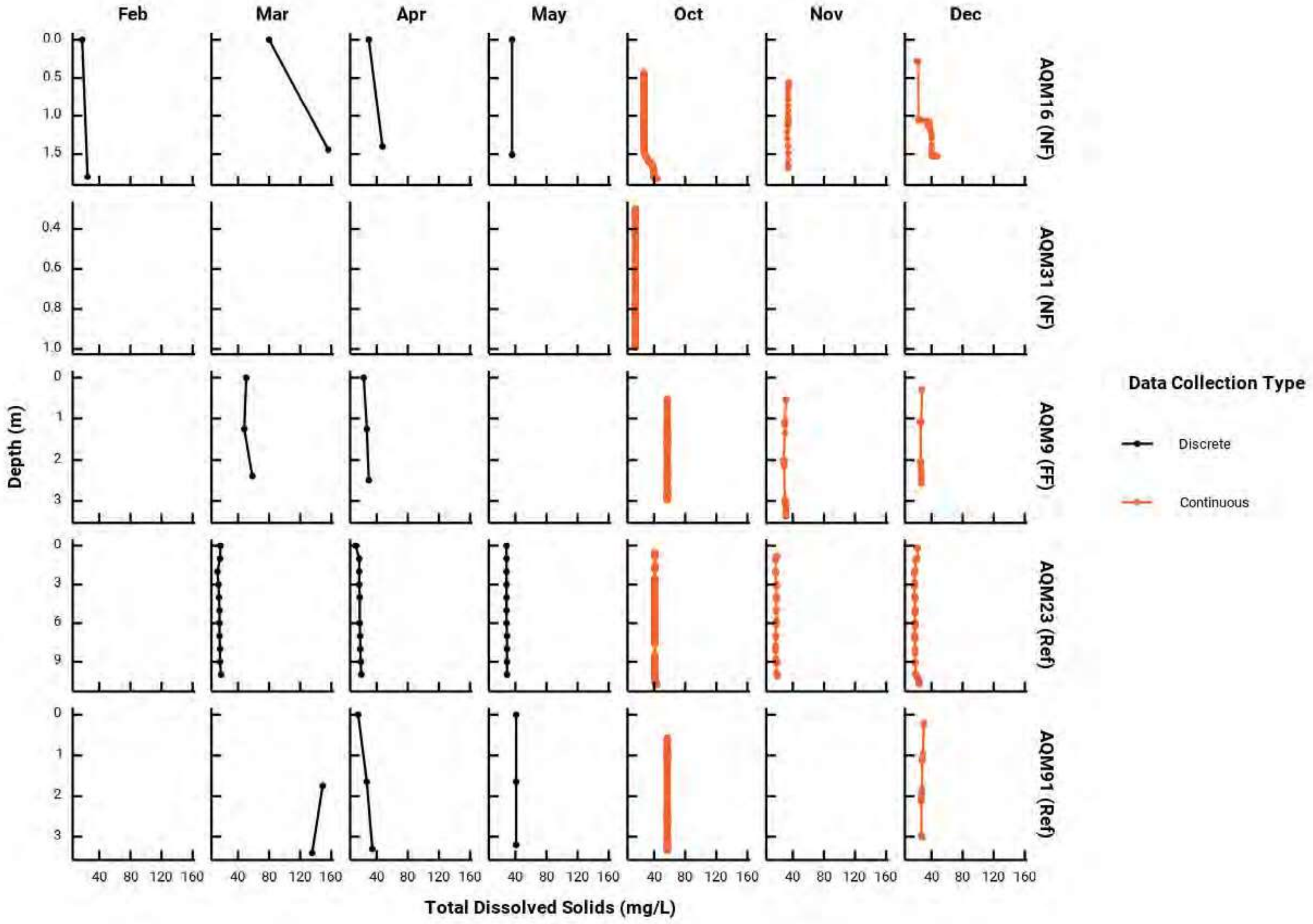
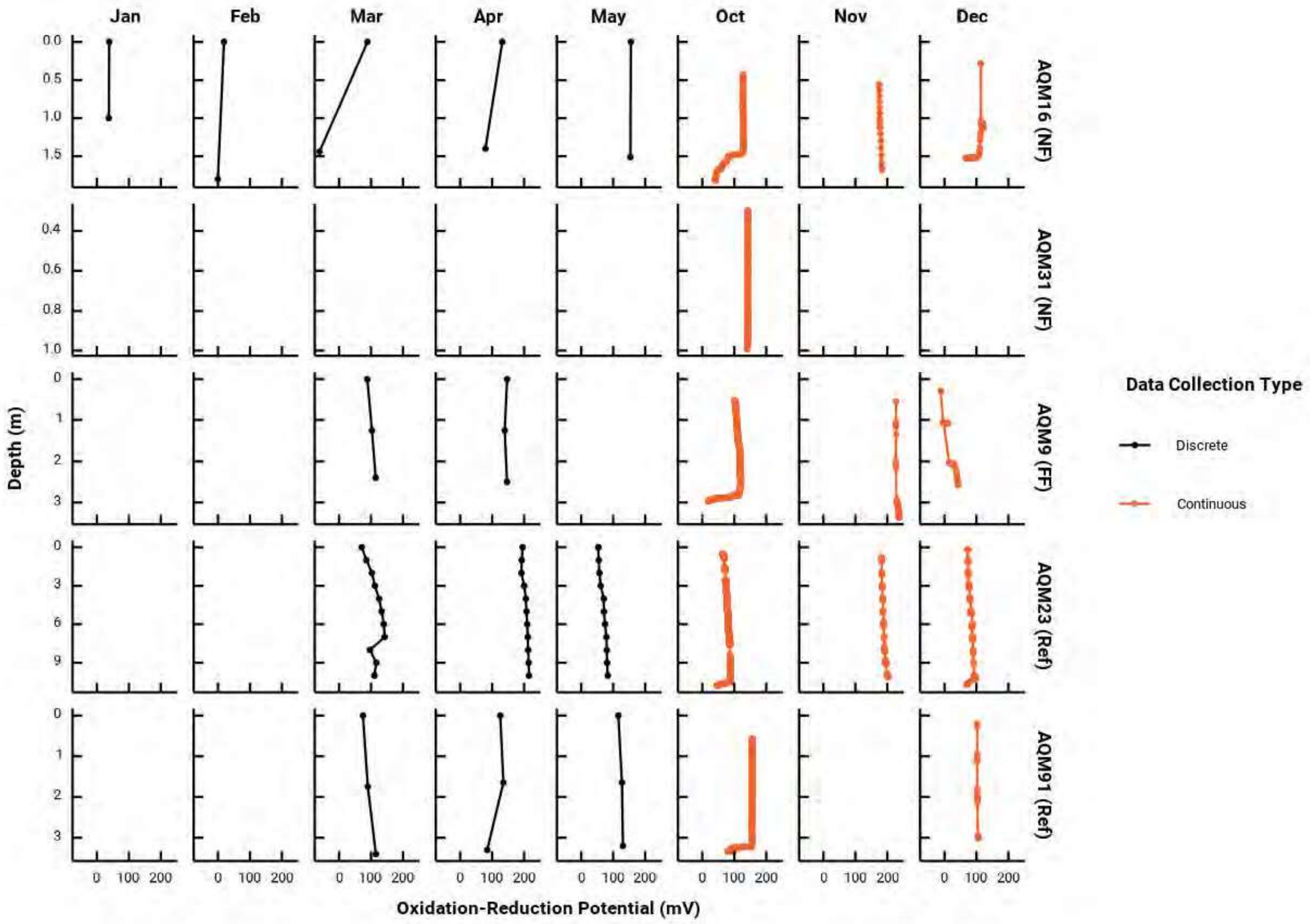


*Figure C.2-12 In Situ Oxidation-Reduction Potential Profiles at MacLellan Sites by Month (columns) and Site (rows) at Various Site Groupings (WMI: Water Management Infrastructure; NF: Near-Field; MF: Mid-Field; FF: Far-Field; Ref: Reference)*



# C.3 Kruskal-Wallis Test Box-and-Whisker Plots

# Appendix C.3 – Kruskal-Wallis Test Box-and-Whisker Plots

# Gordon Site

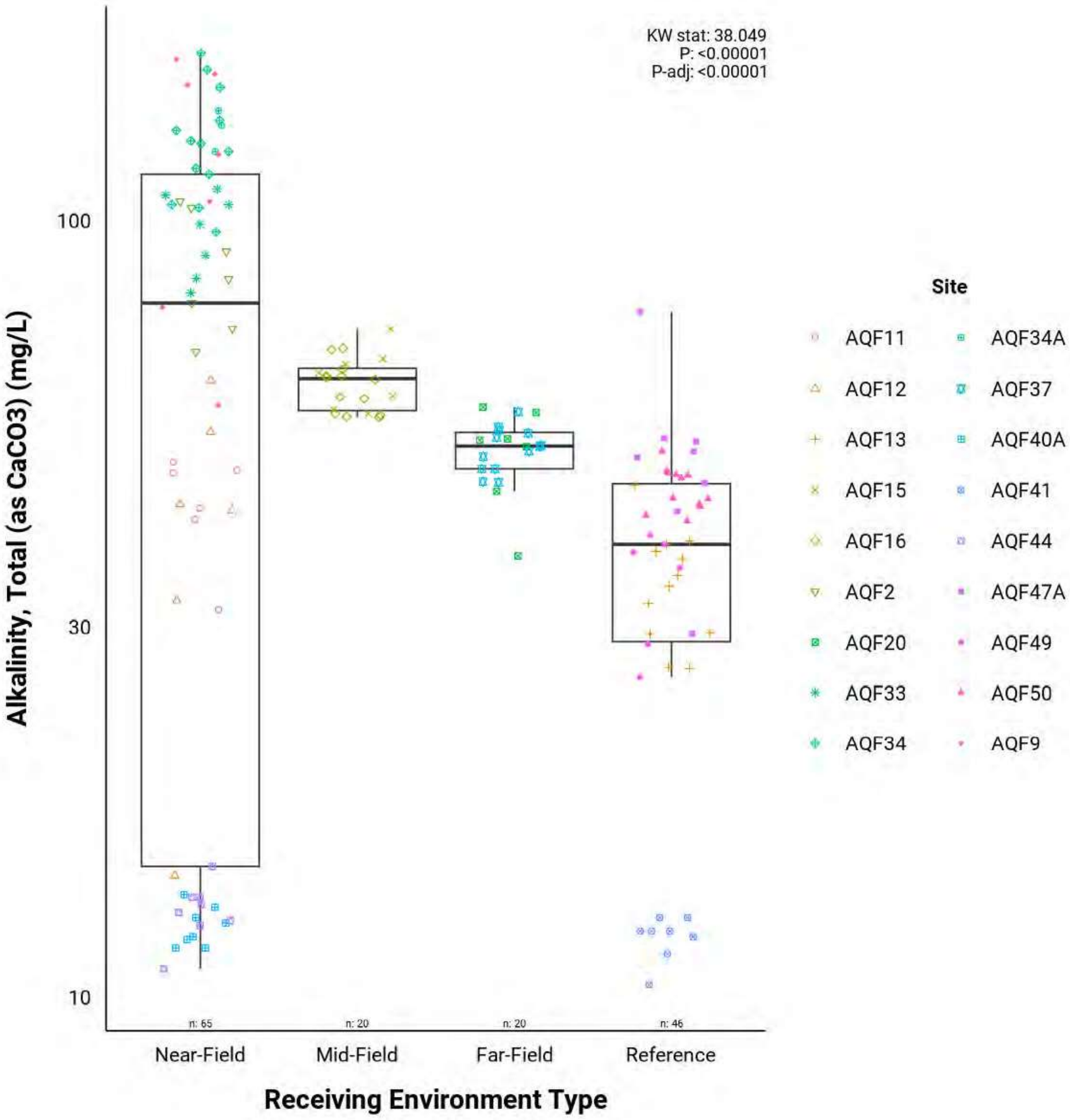


*Figure C.3-1 Total Alkalinity - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the Gordon Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown.*

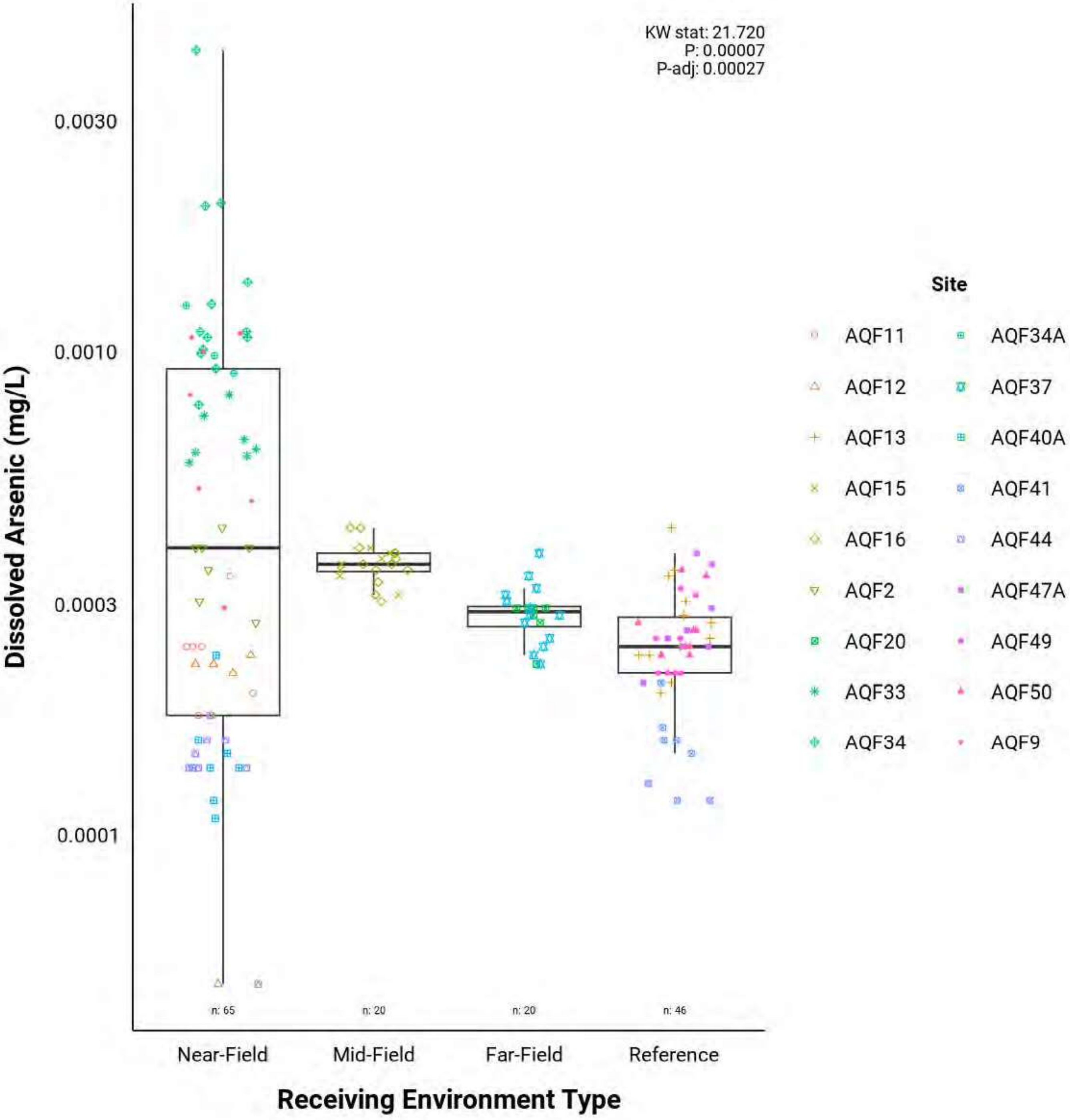


*Figure C.3-2 Dissolved Arsenic - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the Gordon Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown.*

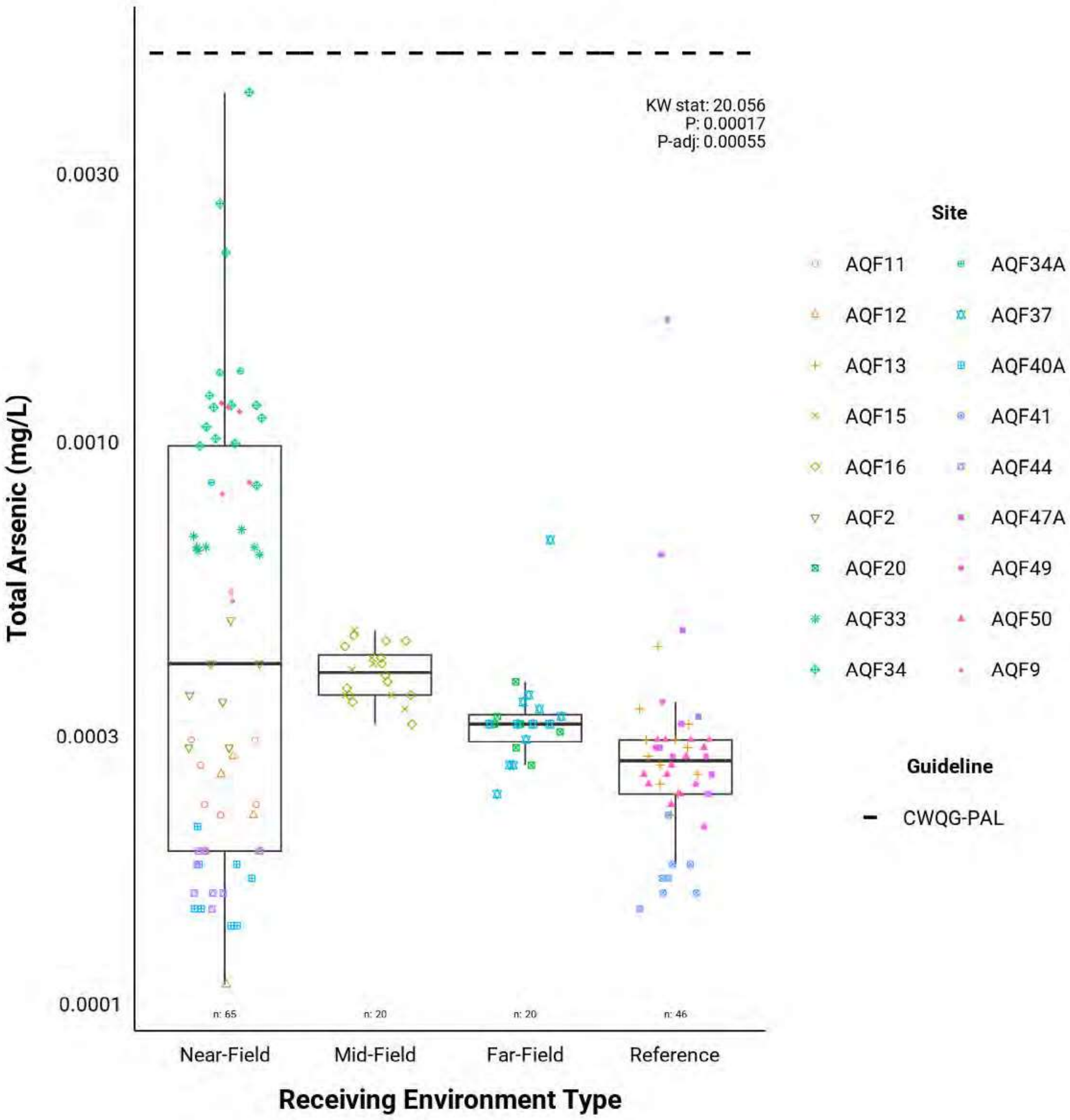


*Figure C.3-3 Total Arsenic - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the Gordon Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown. The dashed horizontal lines indicate the Canadian Water Quality Guidelines for the Protection of Aquatic Life (CWQG-PAL).*

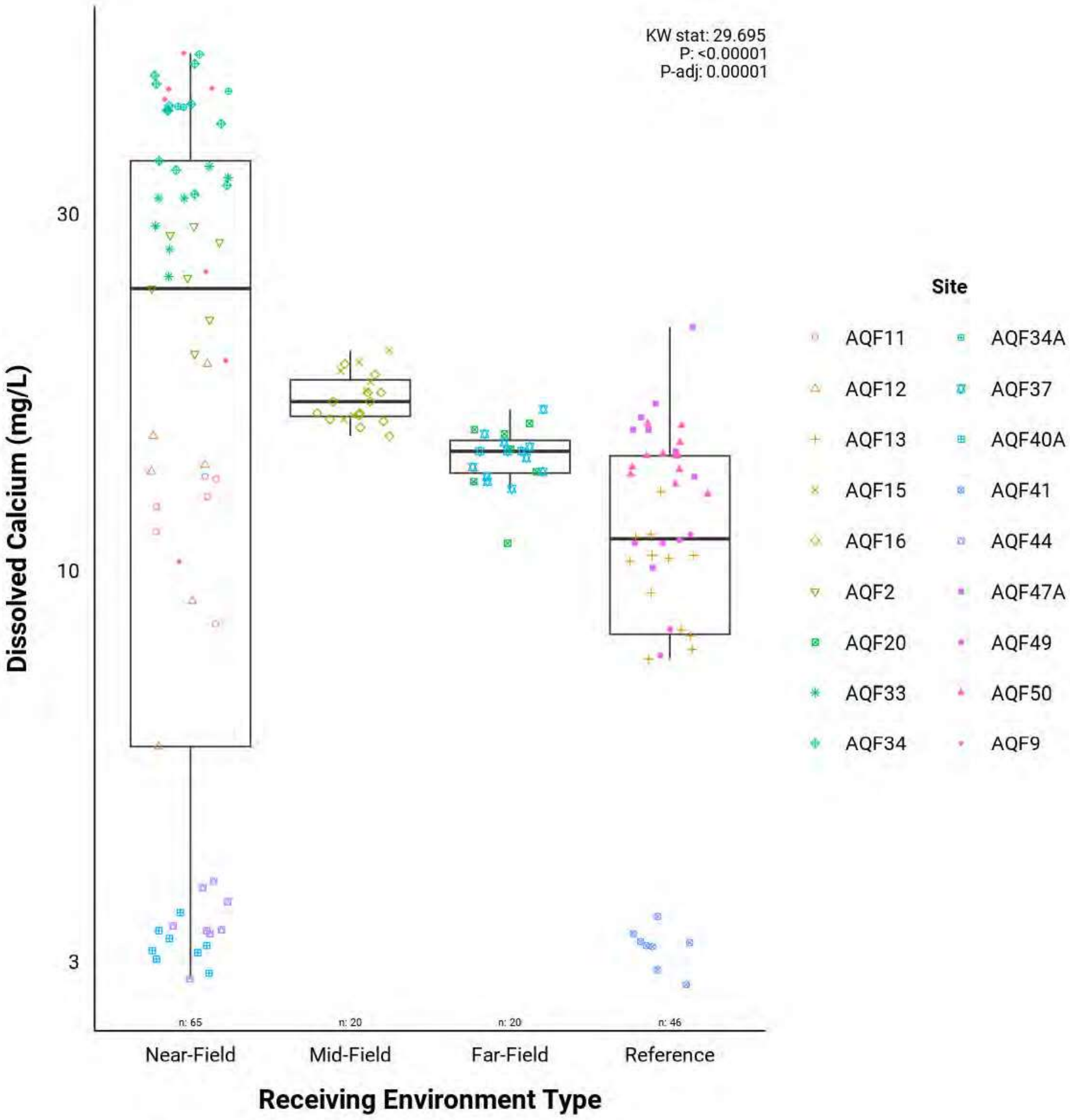


*Figure C.3-4 Dissolved Calcium - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the Gordon Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown.*

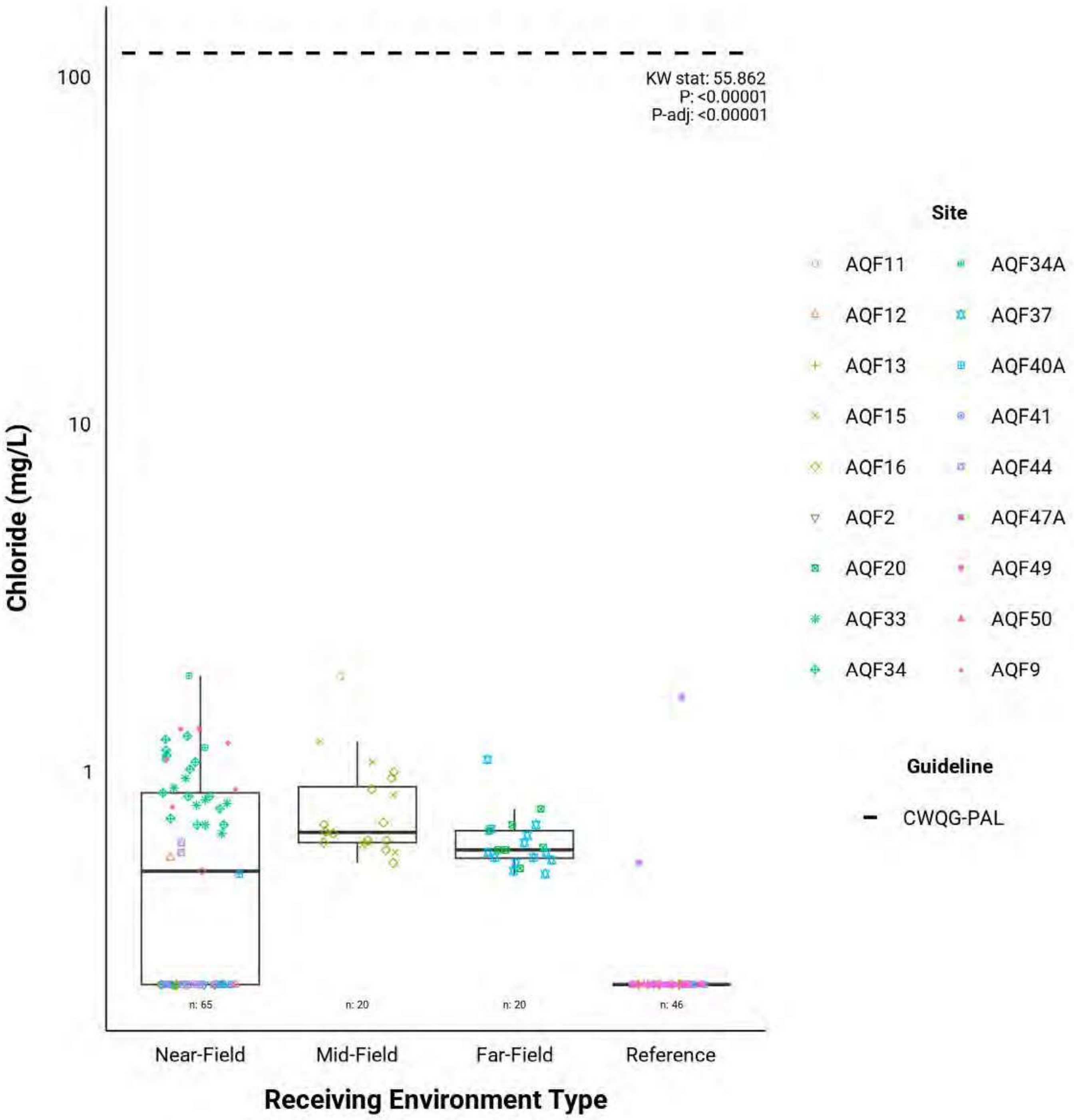


*Figure C.3-5 Chloride - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the Gordon Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown.*

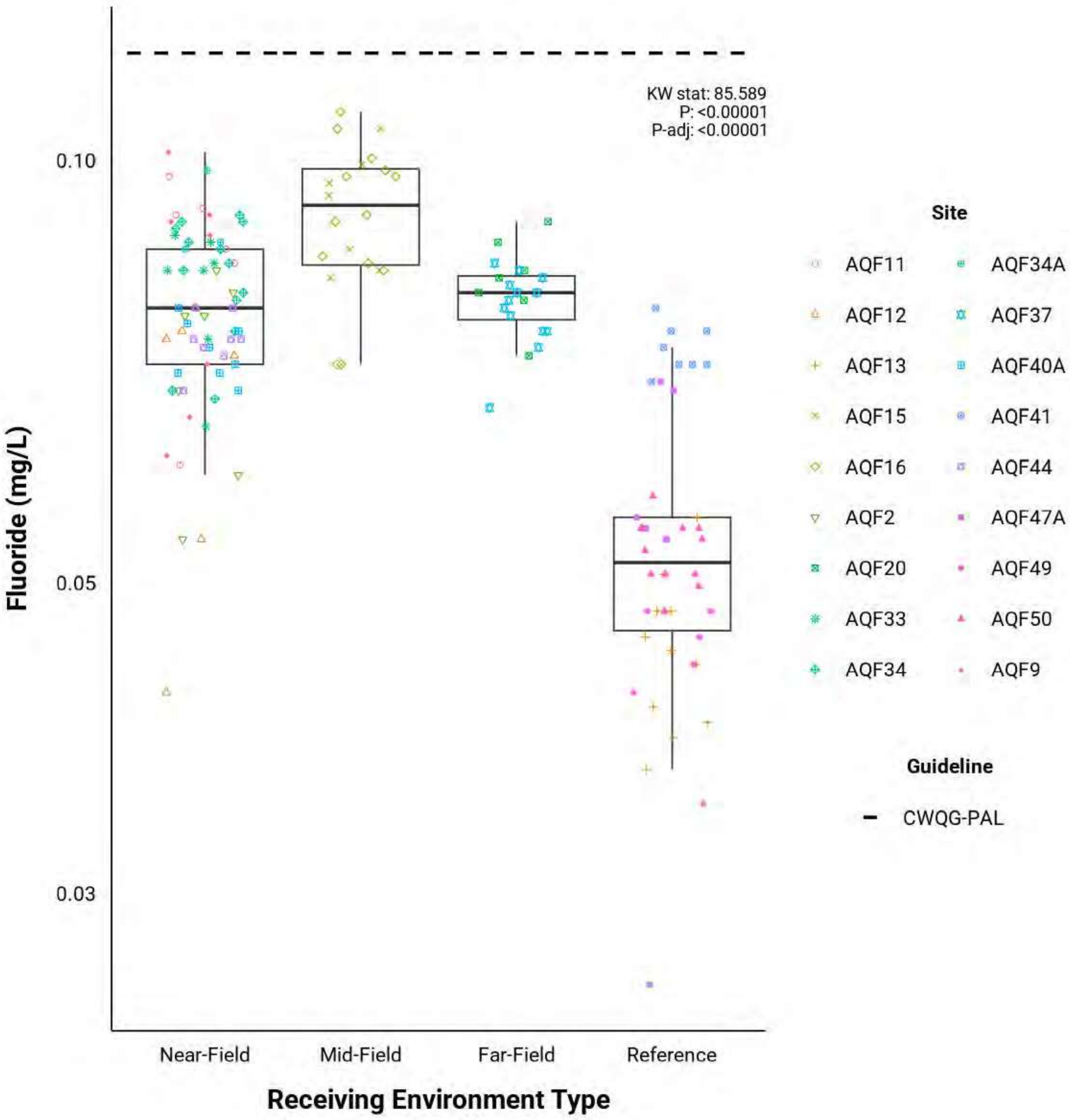


*Figure C.3-6 Fluoride - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the Gordon Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown. The dashed horizontal lines indicate the Canadian Water Quality Guidelines for the Protection of Aquatic Life (CWQG-PAL).*

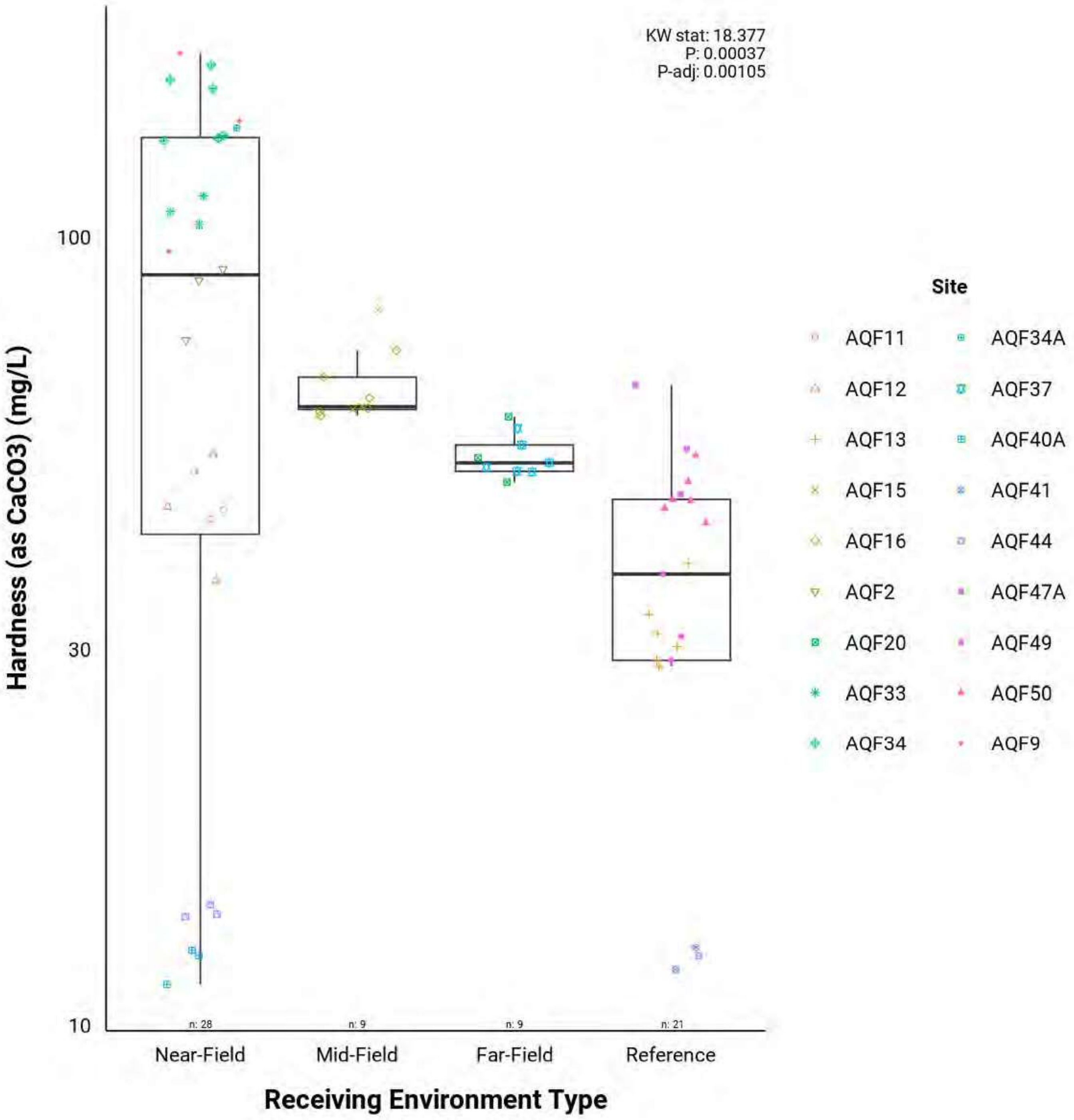


*Figure C.3-7 Hardness (as $CaCO_3$) - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the Gordon Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown.*

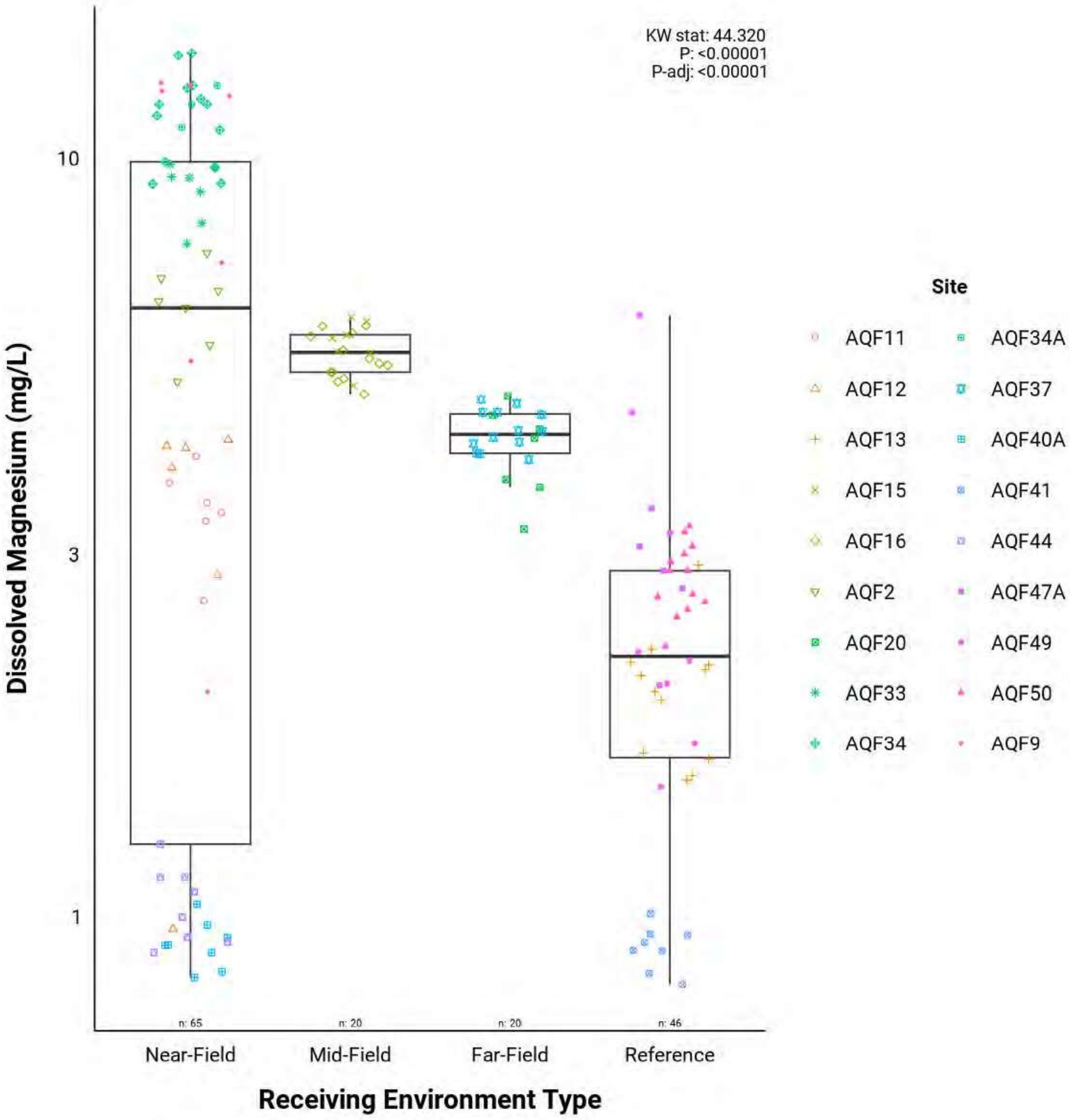


*Figure C.3-8 Dissolved Magnesium - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the Gordon Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown.*

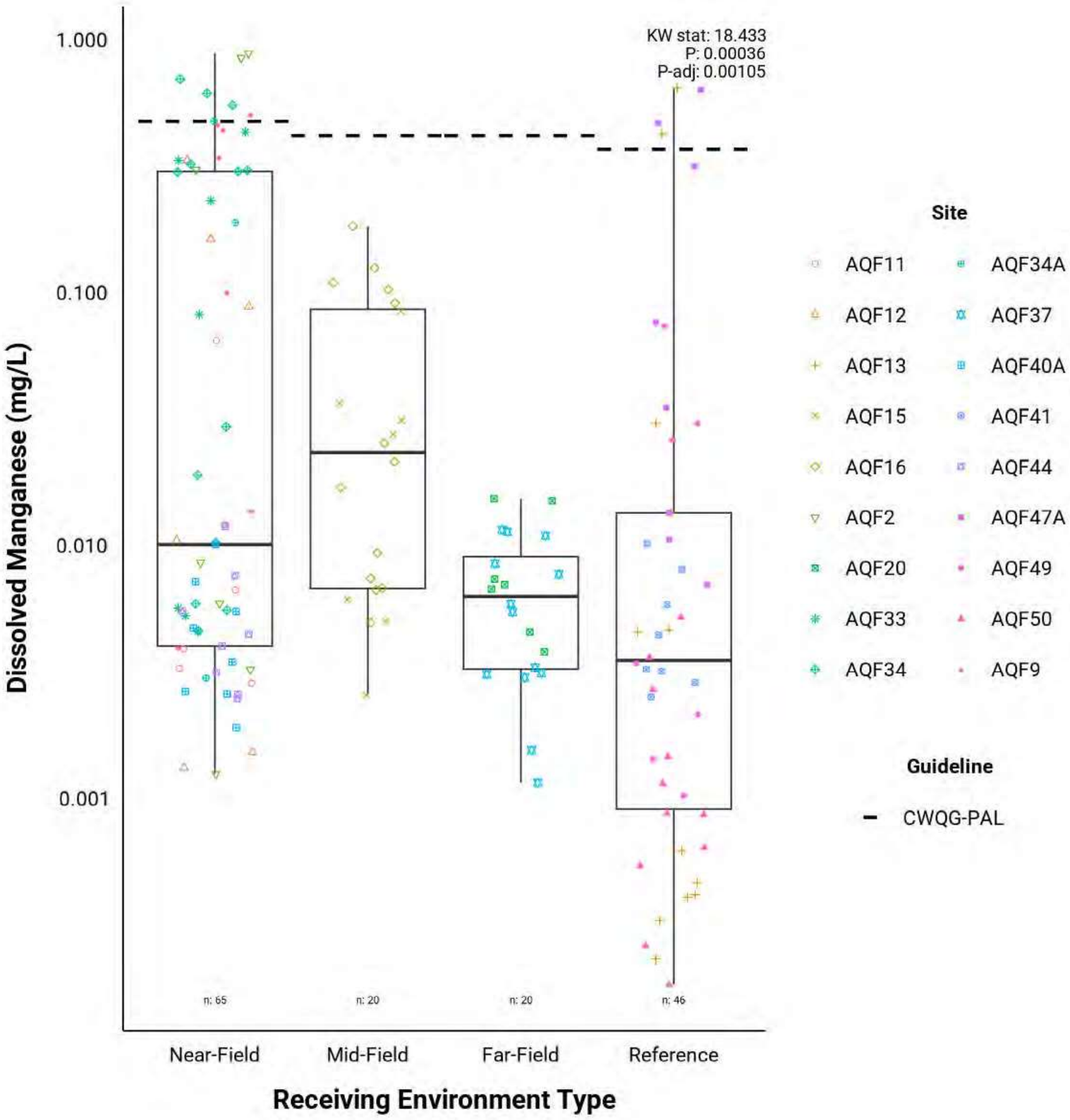


*Figure C.3-9 Dissolved Manganese - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the Gordon Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown. The dashed horizontal lines indicate the Canadian Water Quality Guidelines for the Protection of Aquatic Life (CWQG-PAL).*

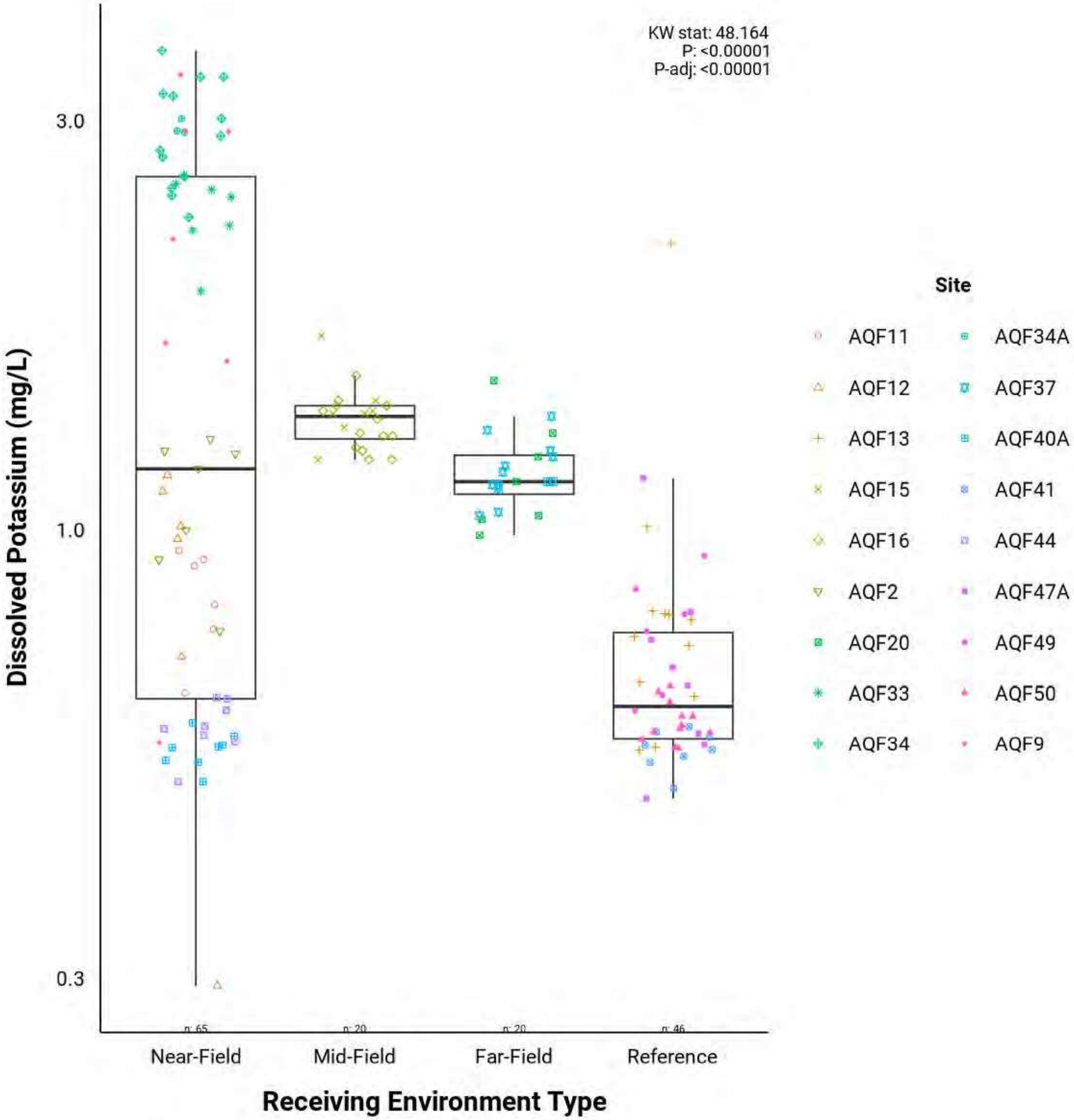


*Figure C.3-10 Dissolved Potassium - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the Gordon Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown.*

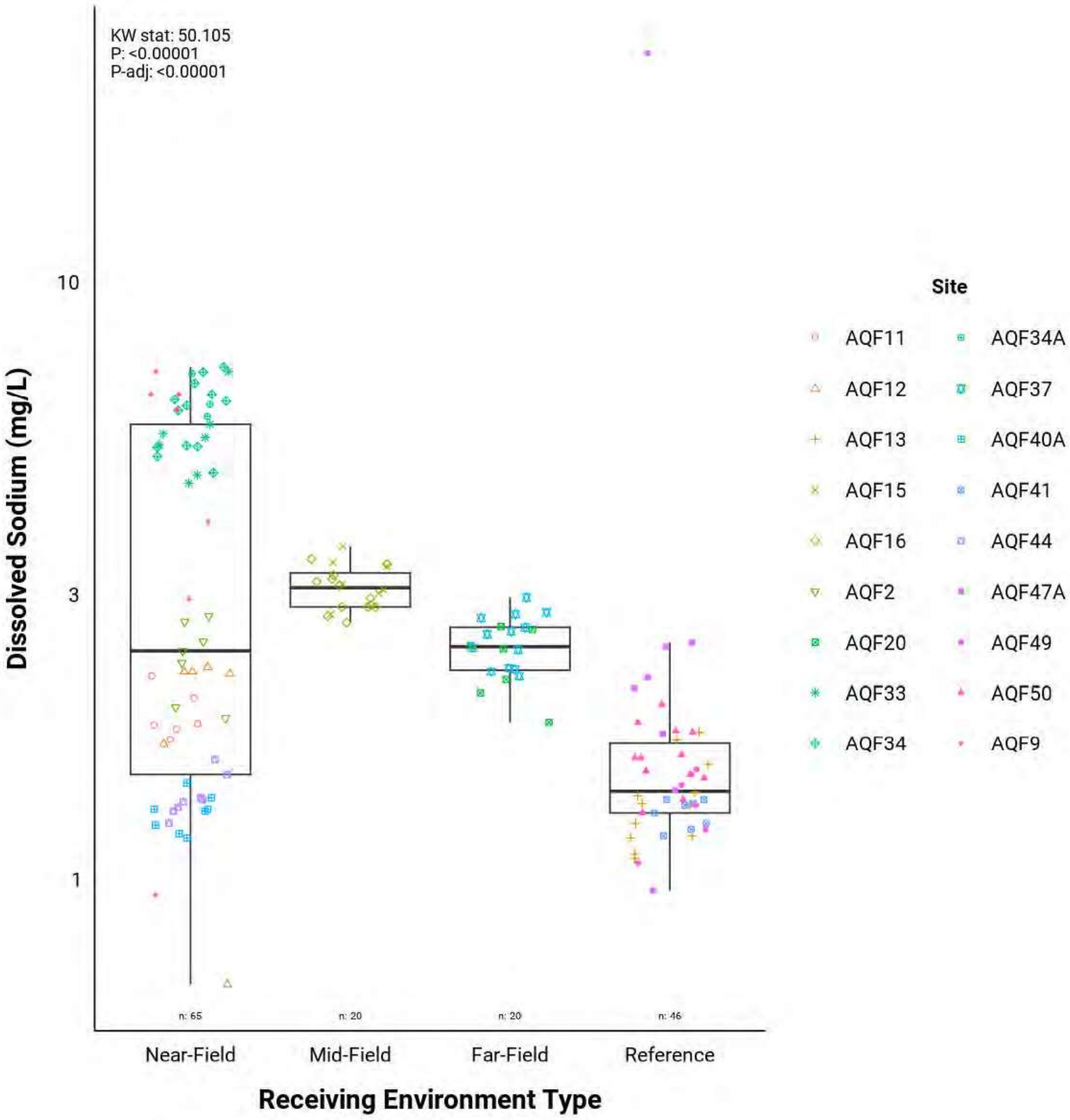


*Figure C.3-11Dissolved Sodium - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the Gordon Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown.*

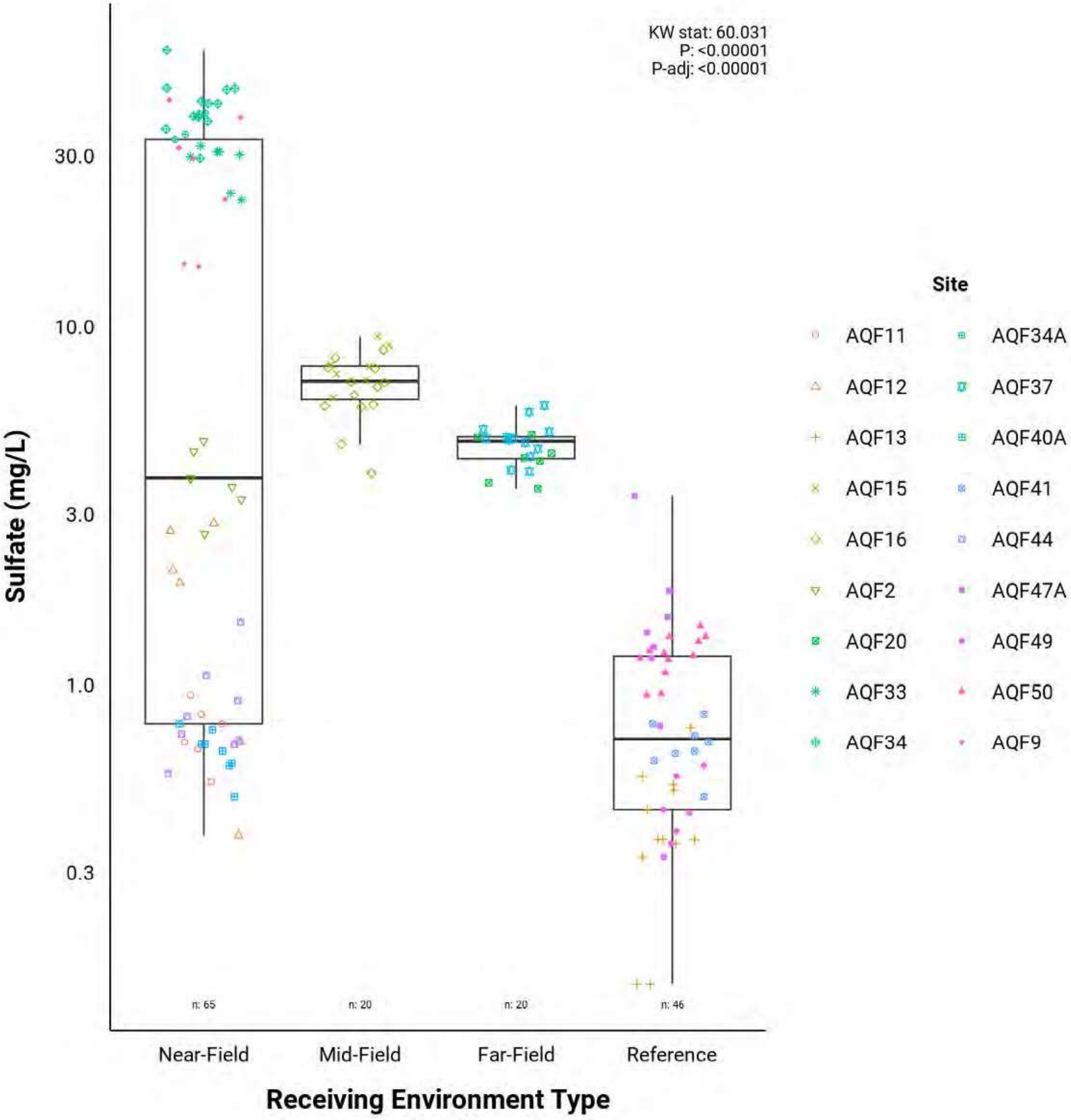


*Figure C.3-12 Sulfate - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the Gordon Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown.*

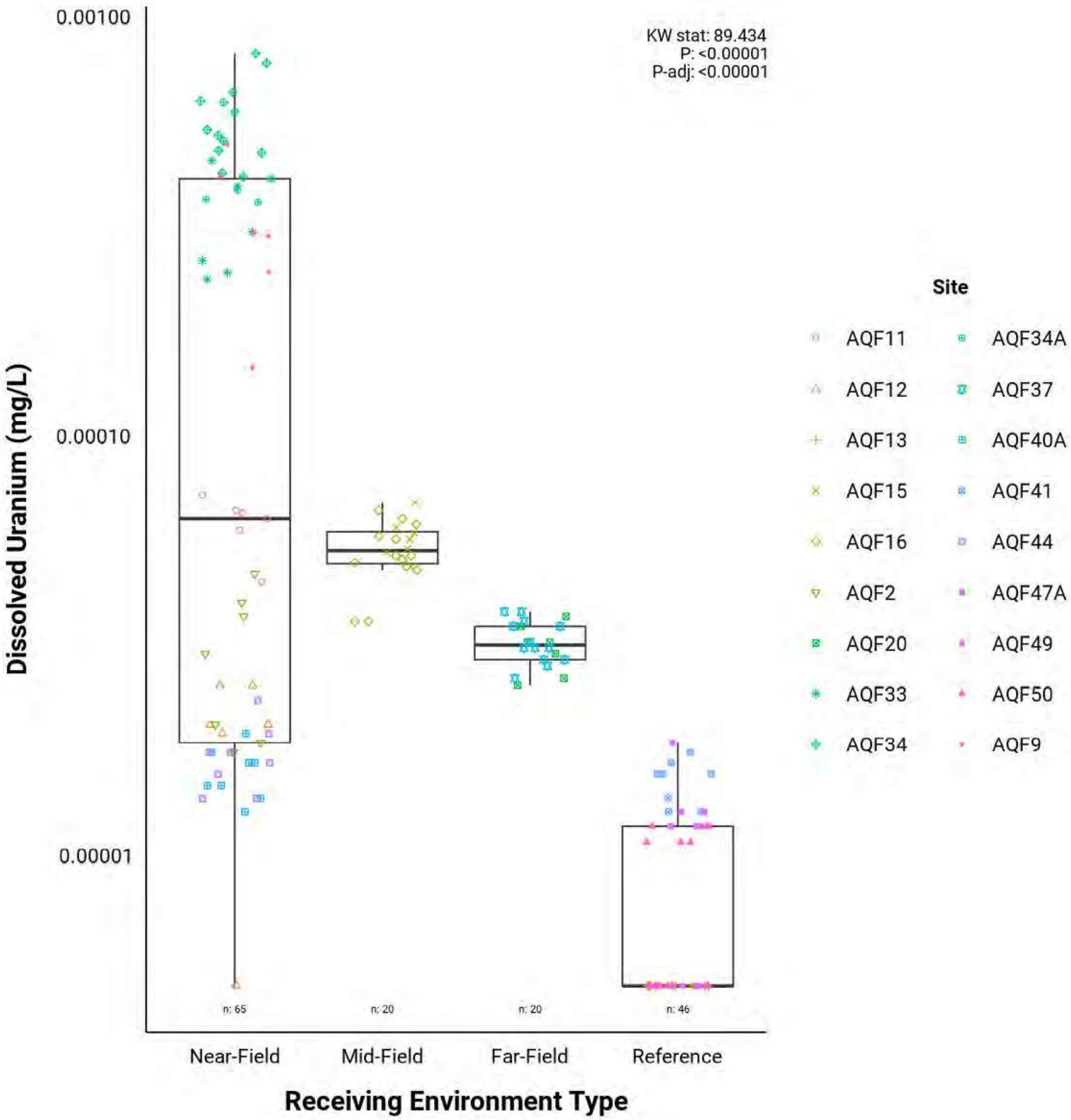


*Figure C.3-13 Dissolved Uranium - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the Gordon Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown.*

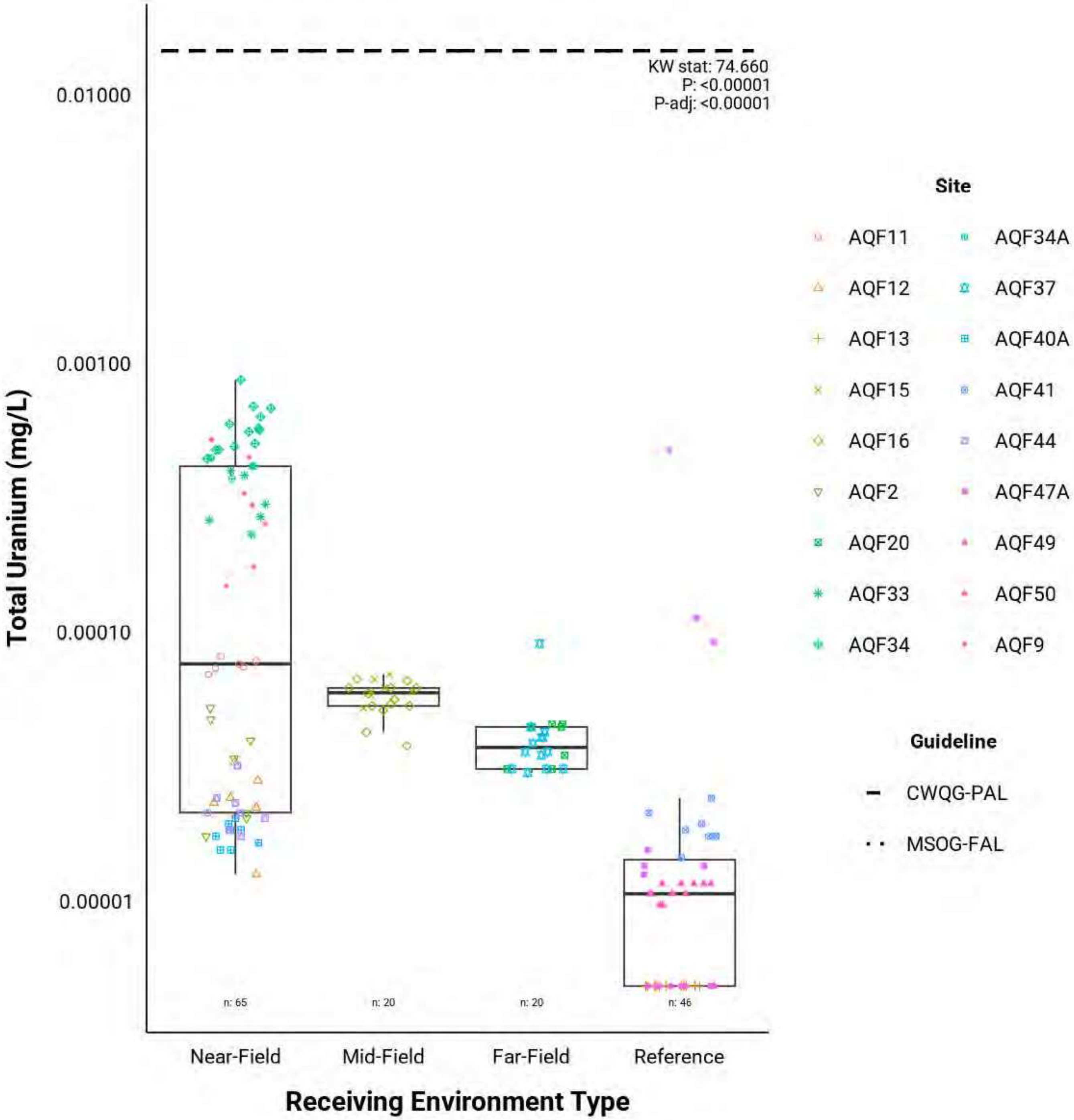


*Figure C.3-14 Total Uranium - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the Gordon Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown.*

# MacLellan Site

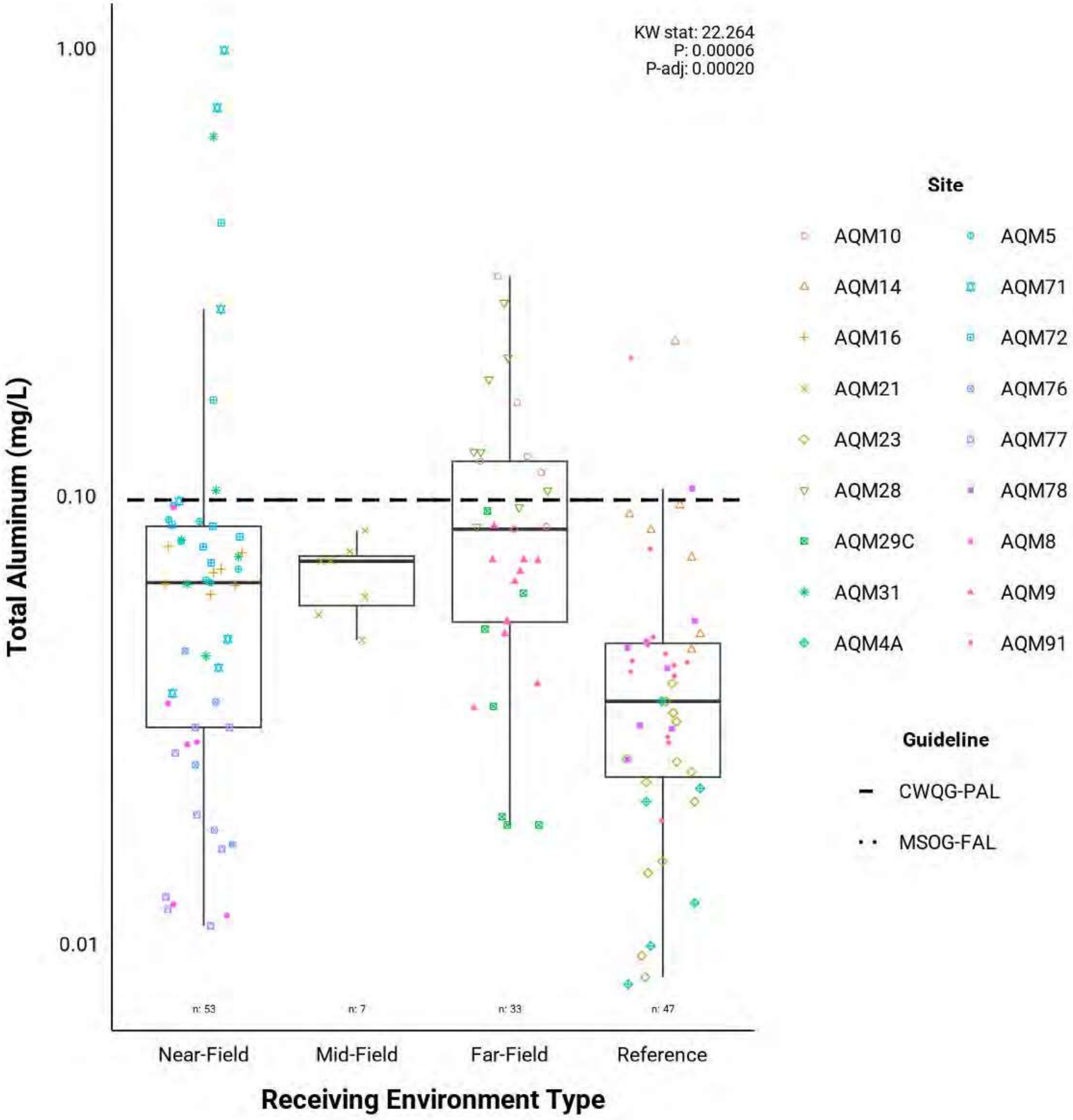


*Figure C.3-15 Total Aluminum - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the MacLellan Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown. The dashed horizontal lines indicate the Canadian Water Quality Guidelines for the Protection of Aquatic Life (CWQG-PAL) and the Manitoba Water Quality Standards Objectives and Guidelines for Freshwater Aquatic Life (MSOG-FAL). Note that the lines are overlapping.*

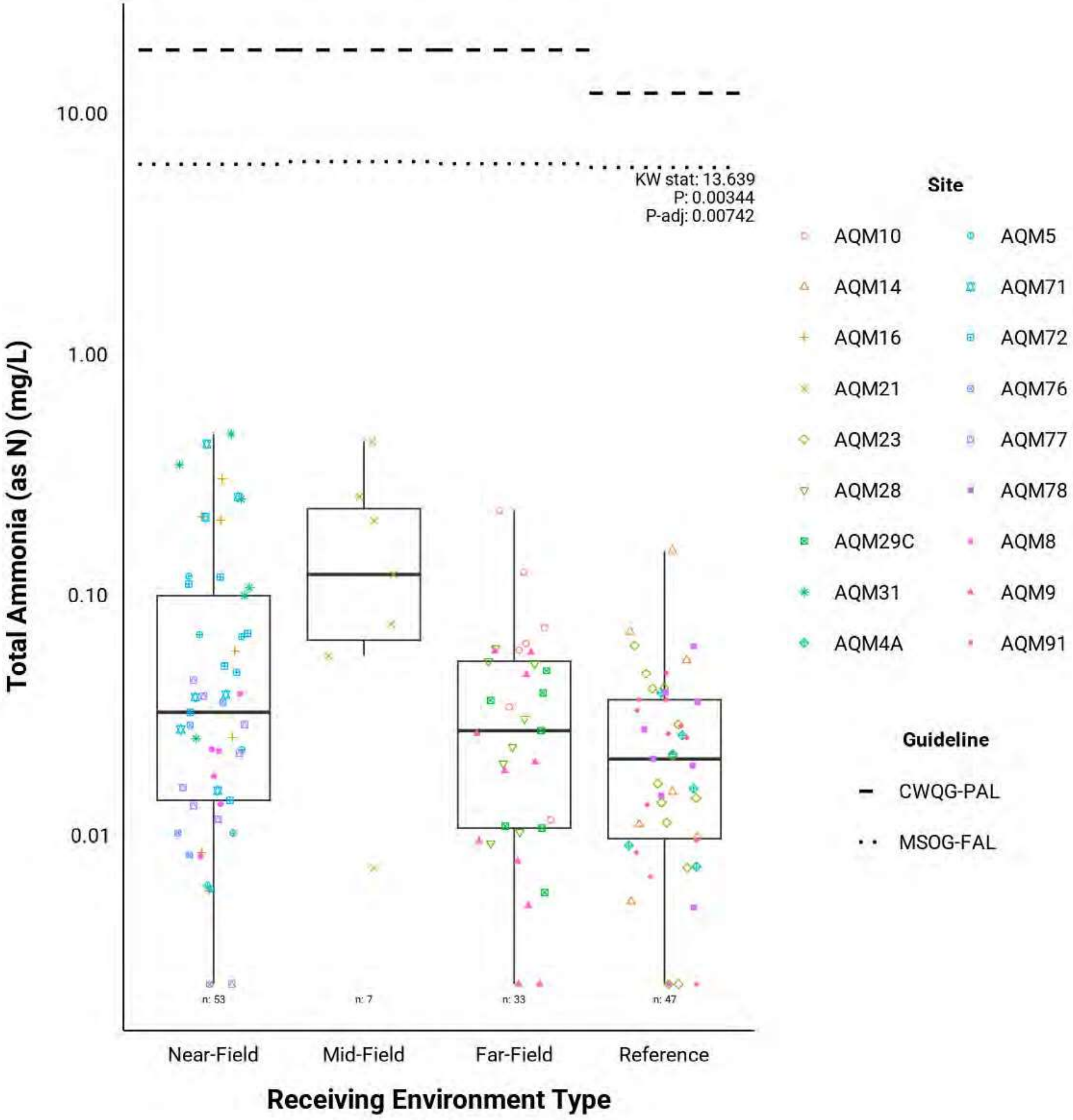


*Figure C.3-16 Total Ammonia (as N) - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the MacLellan Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown.*

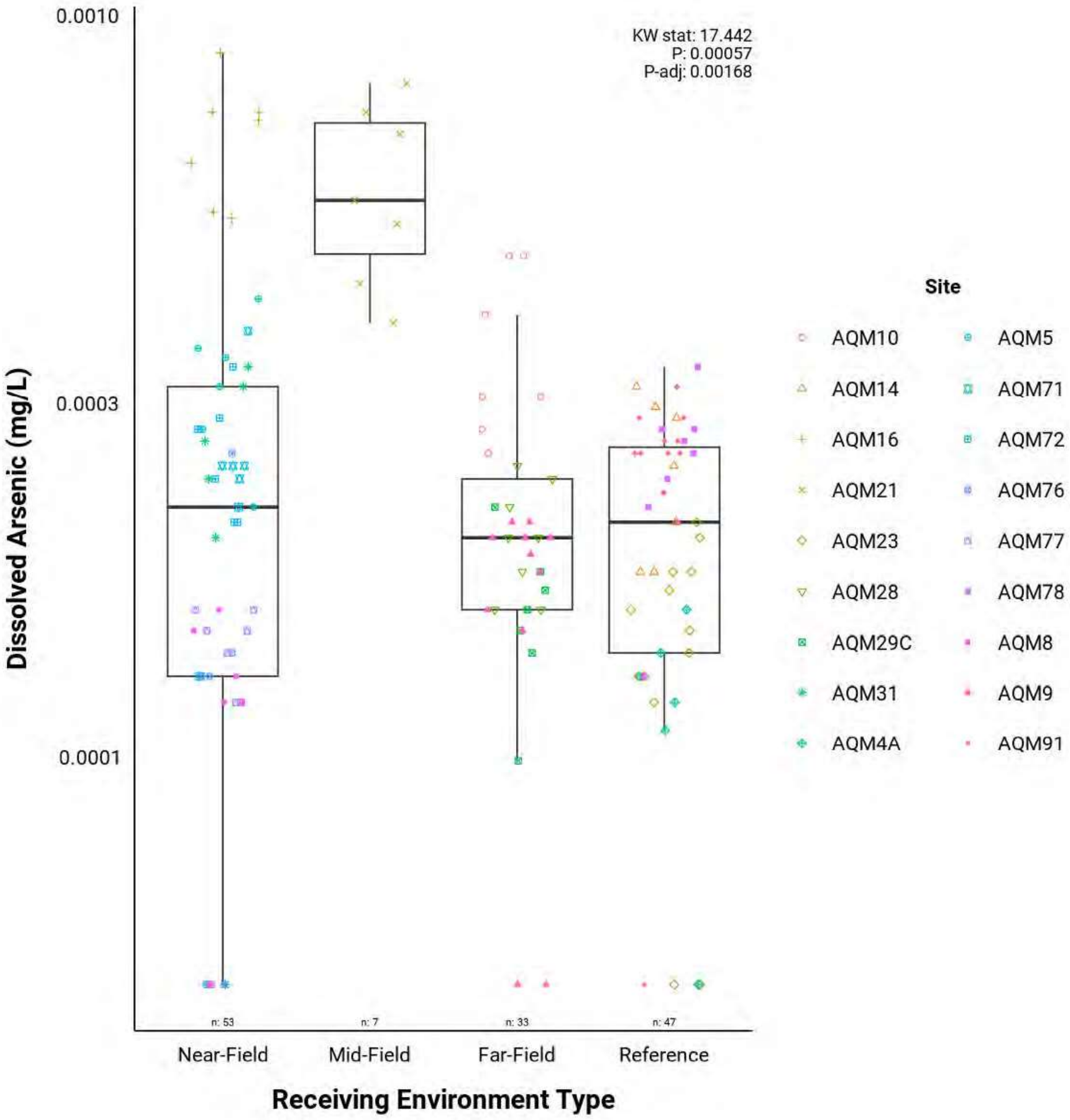


*Figure C.3-17 Dissolved Arsenic - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the MacLellan Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown.*

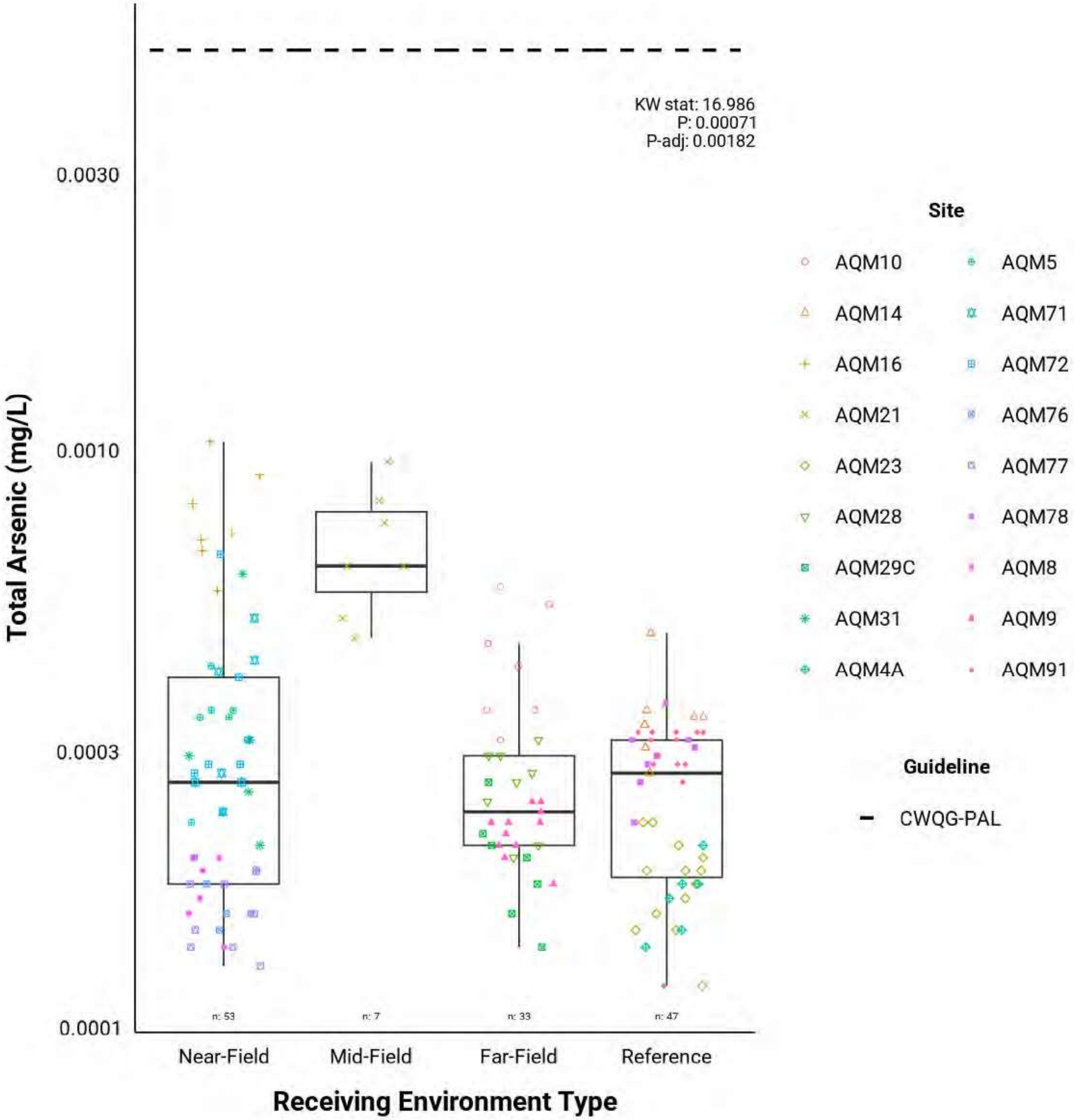


*Figure C.3-18 Total* Arsenic - *Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the MacLellan Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown.*

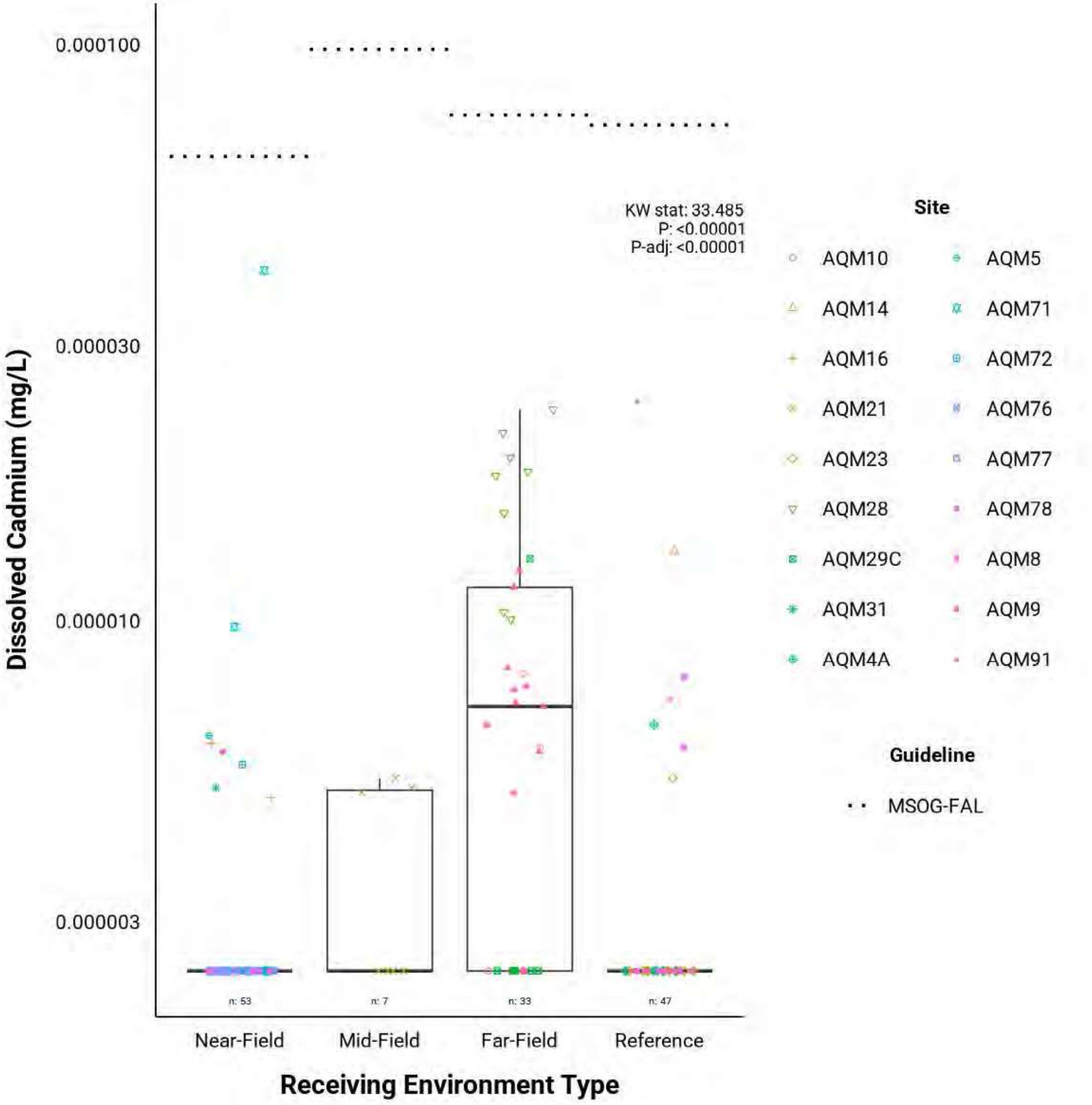


*Figure C.3-19 Dissolved Cadmium - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the MacLellan Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown.*

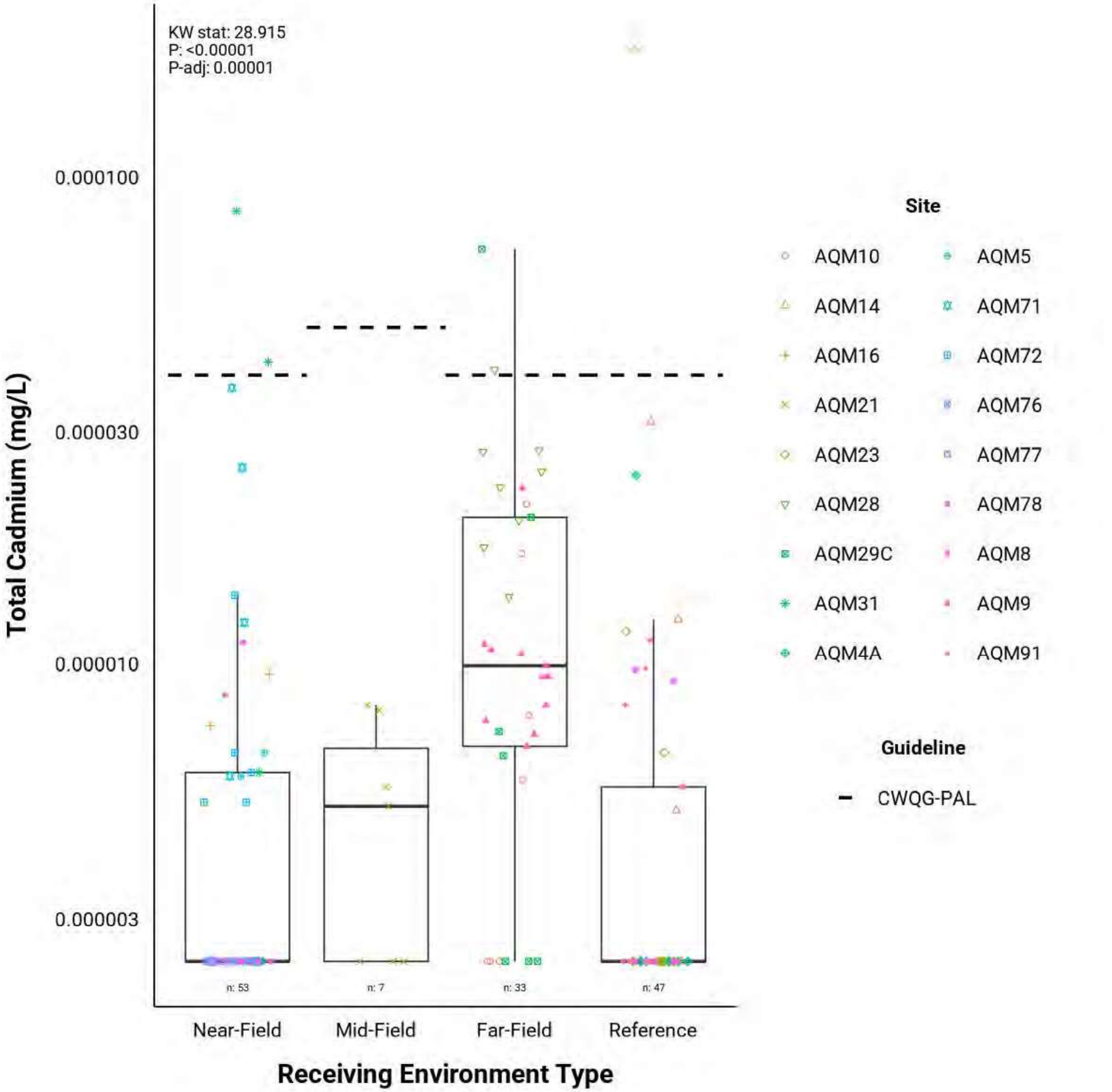


*Figure C.3-20 Total Cadmium - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the MacLellan Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown. The dashed horizontal lines indicate the Canadian Water Quality Guidelines for the Protection of Aquatic Life (CWQG-PAL).*

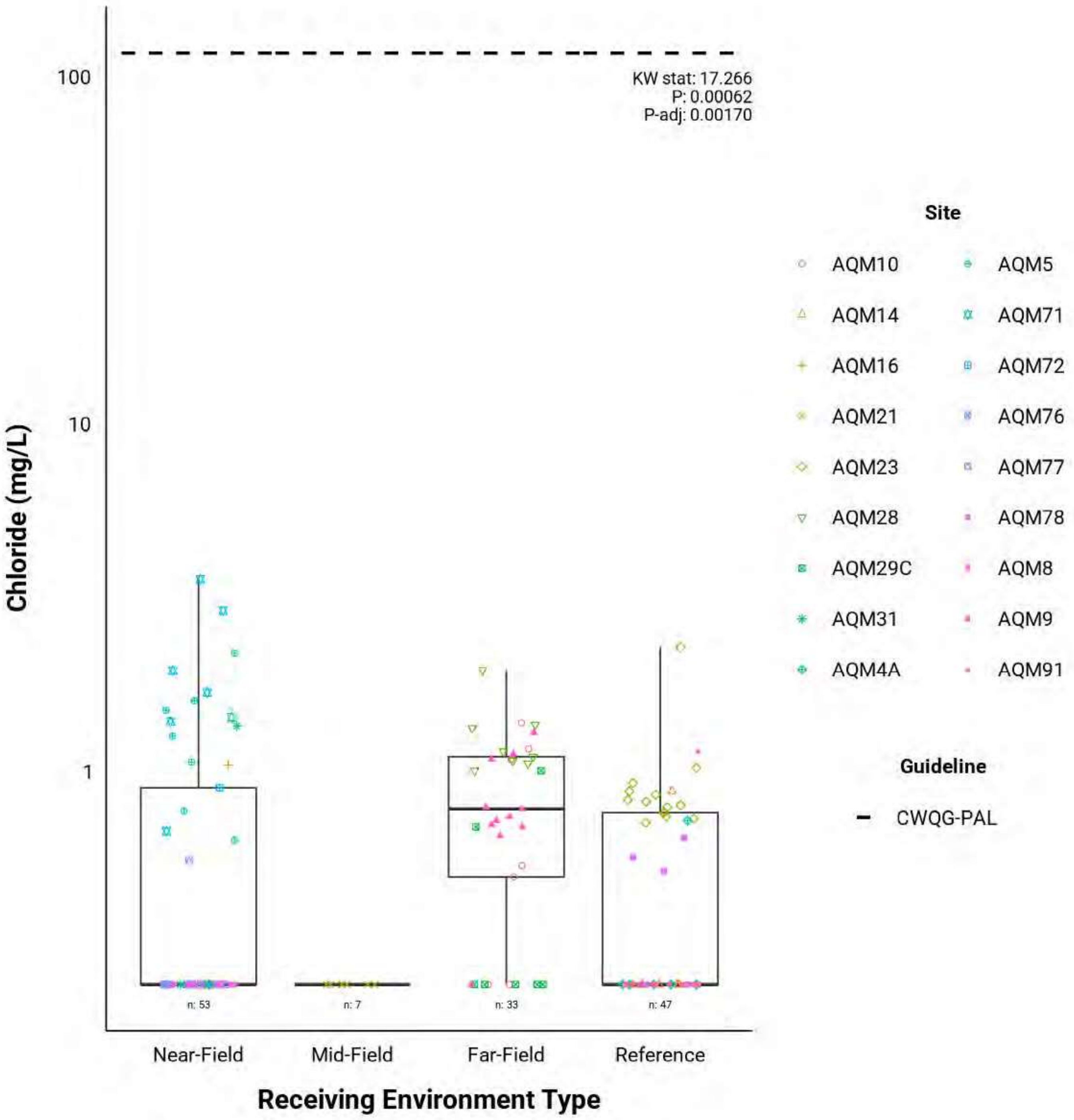


*Figure C.3-21 Chloride - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the MacLellan Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown.*

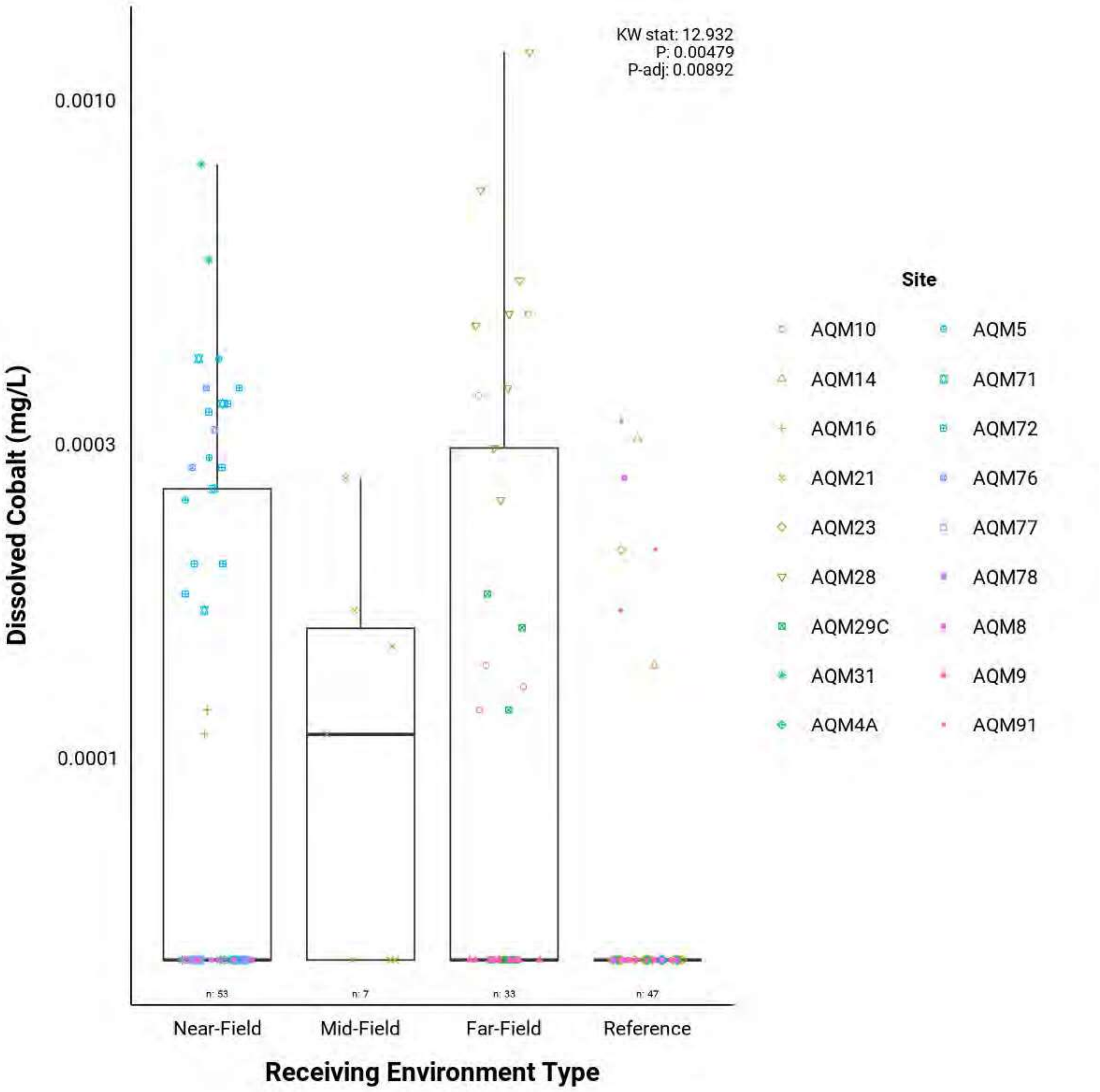


*Figure C.3-22 Dissolved Cobalt - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the MacLellan Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown.*

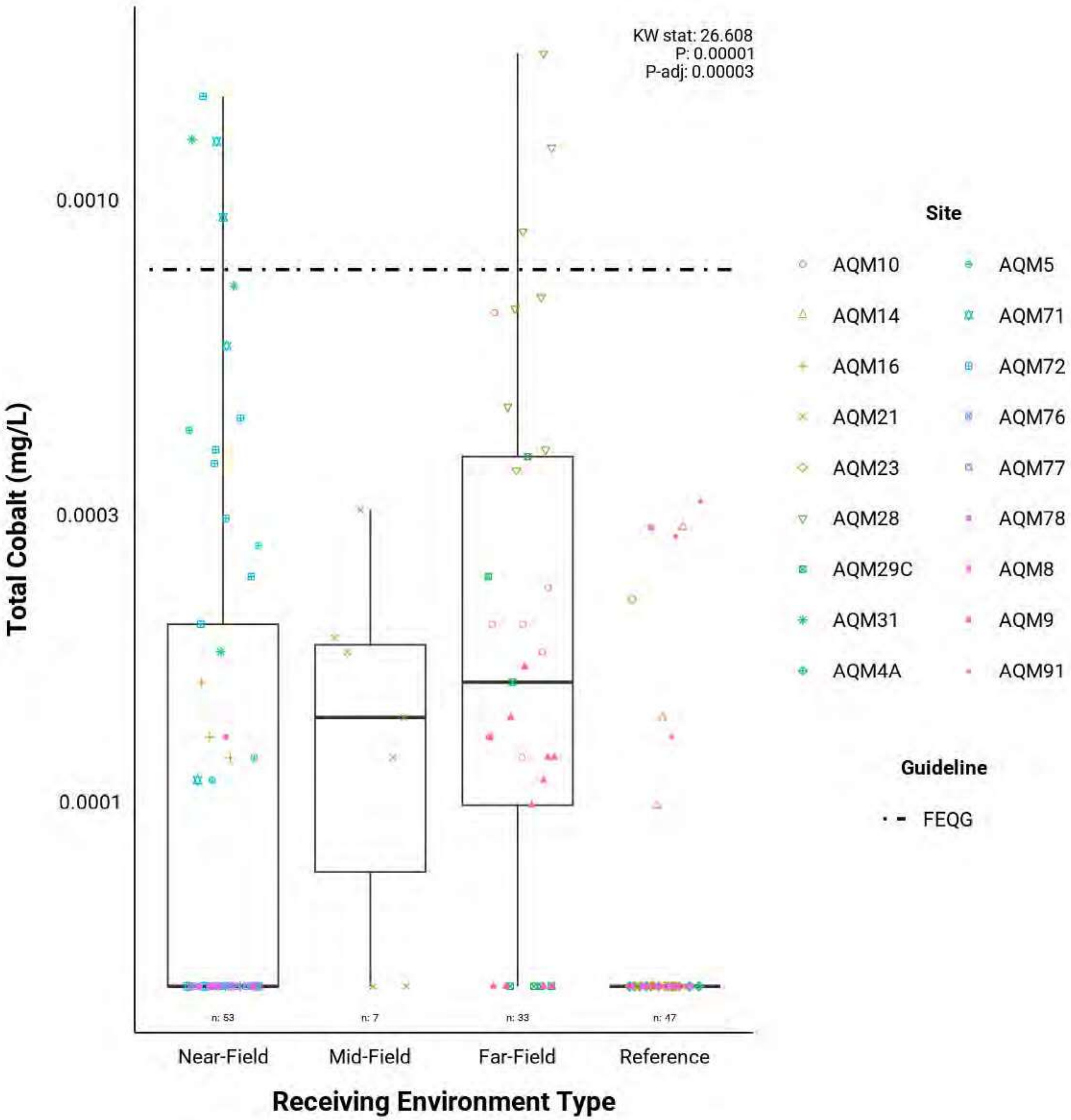


*Figure C.3-23 Total Cobalt - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the MacLellan Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown. The dashed horizontal lines indicate the Federal Environmental Quality Guidelines (FEQG).*

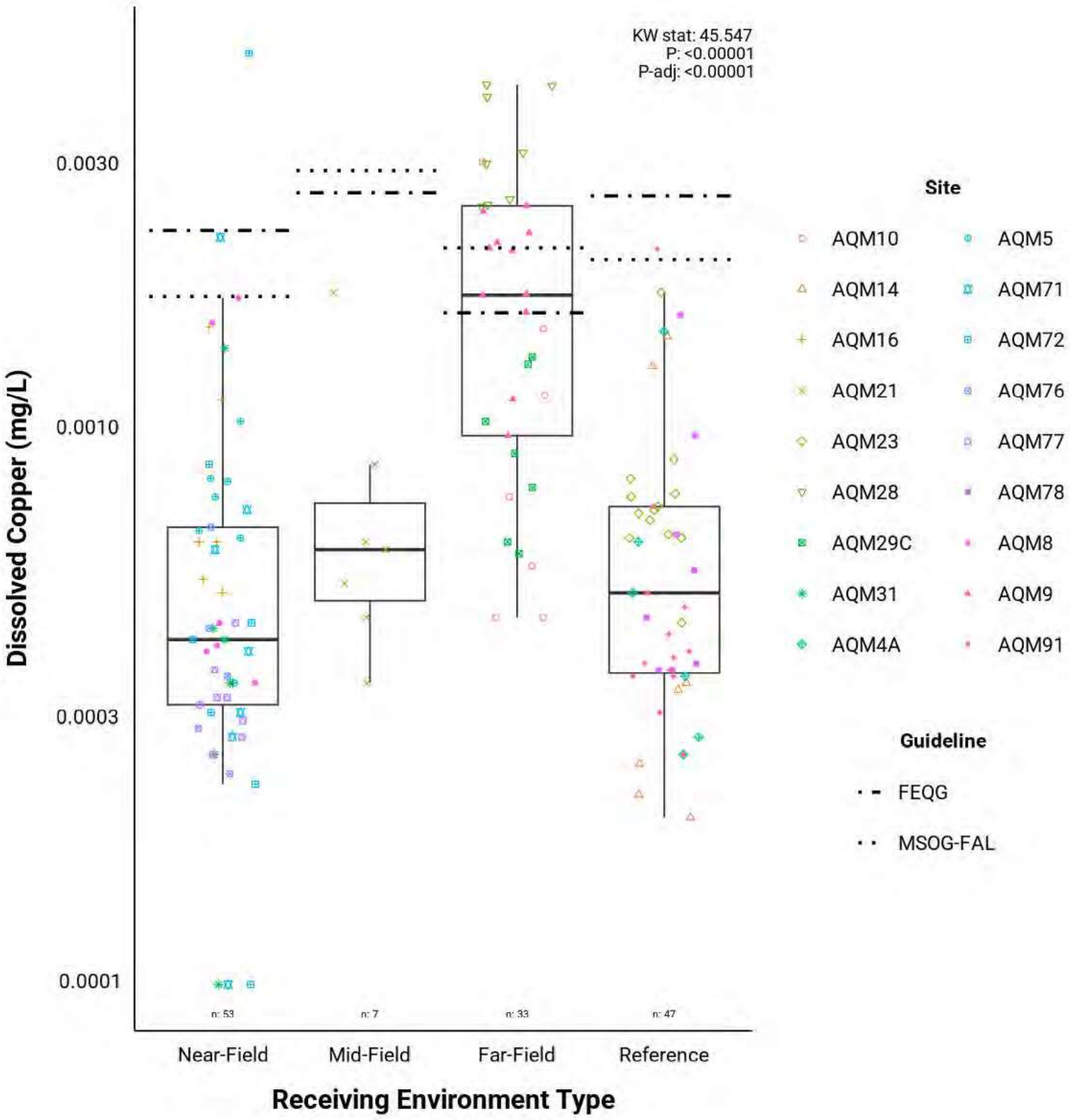


*Figure C.3-24 Dissolved Copper - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the MacLellan Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown. The dashed horizontal lines indicate the Federal Environmental Quality Guidelines (FEQG) and the Manitoba Water Quality Standards Objectives and Guidelines for Freshwater Aquatic Life (MSOG-FAL).*

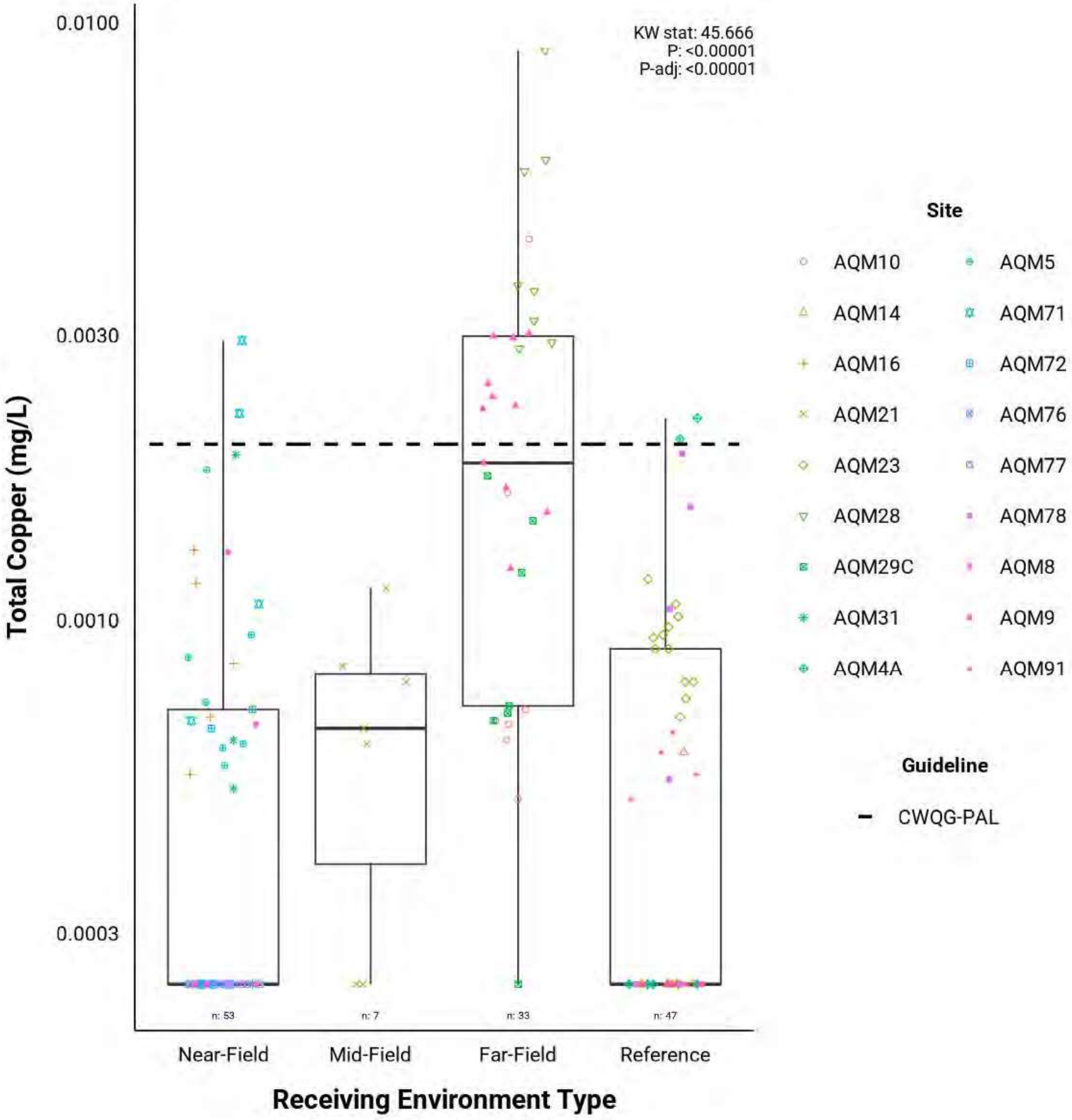


*Figure C.3-25 Total Copper - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the MacLellan Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown. The dashed horizontal lines indicate the Canadian Water Quality Guidelines for the Protection of Aquatic Life (CWQG-PAL).*

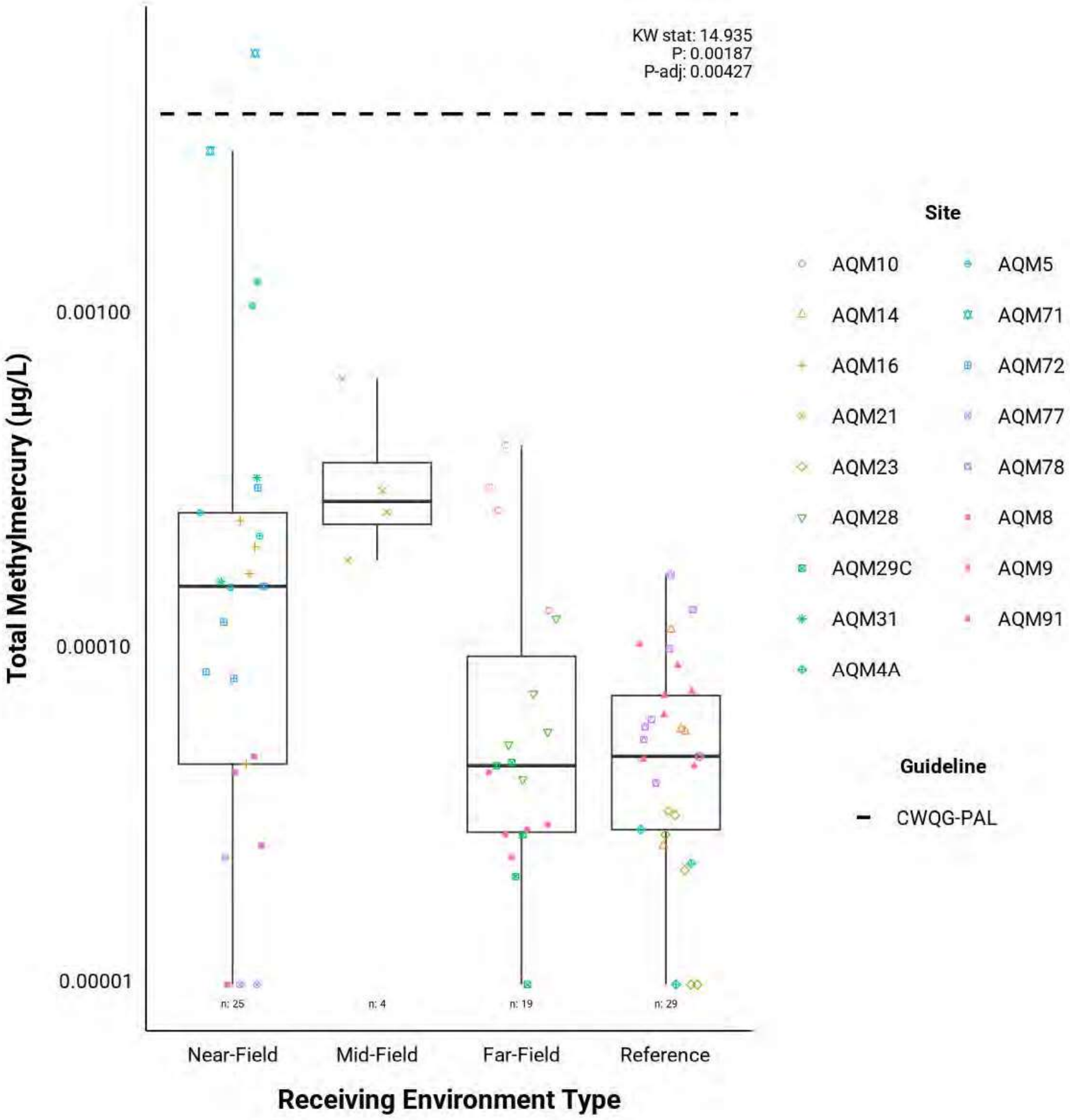


*Figure C.3-26 Total Methylmercury - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the MacLellan Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown.*

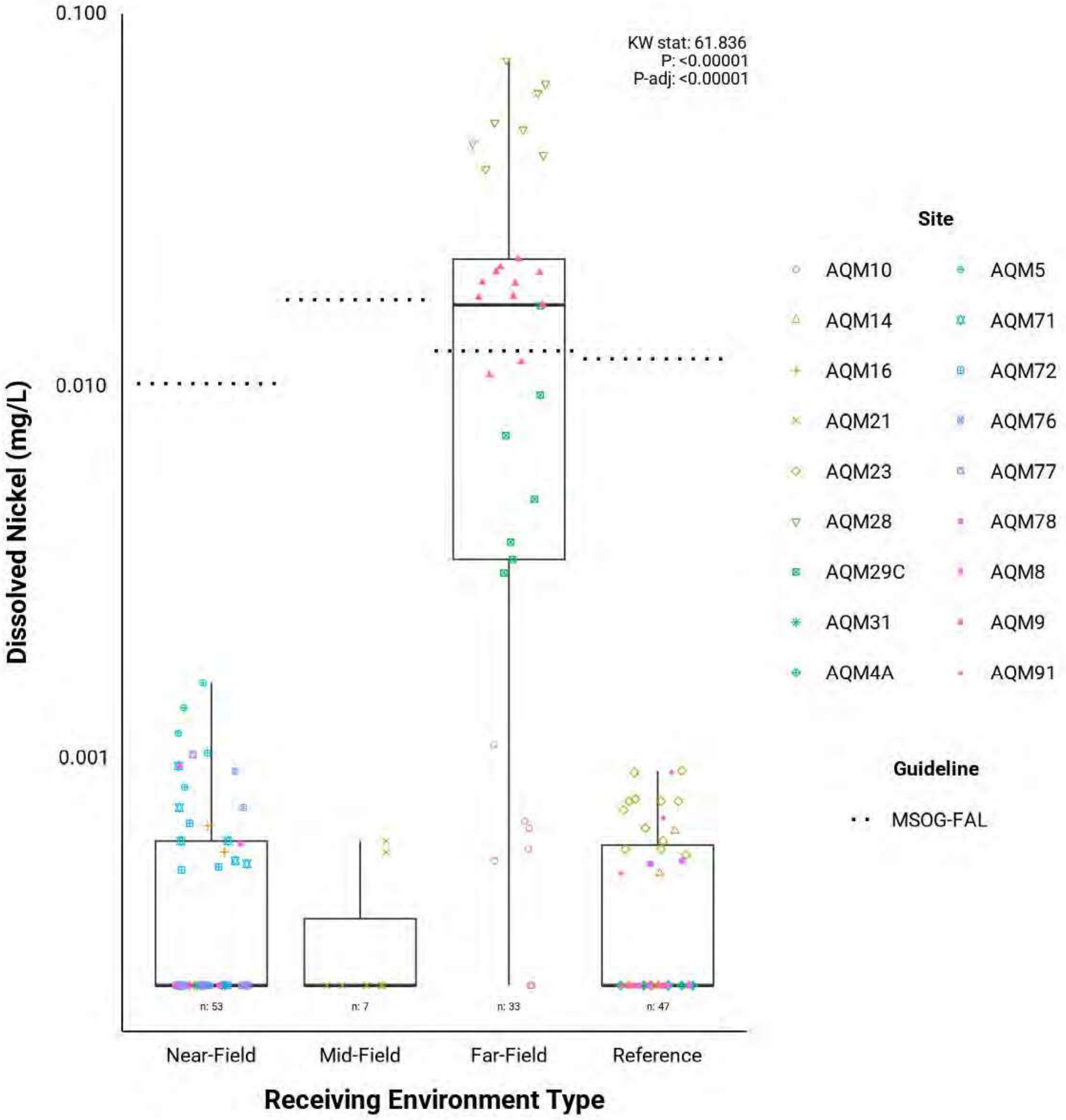


*Figure C.3-27 Dissolved Nickel - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the MacLellan Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown.*

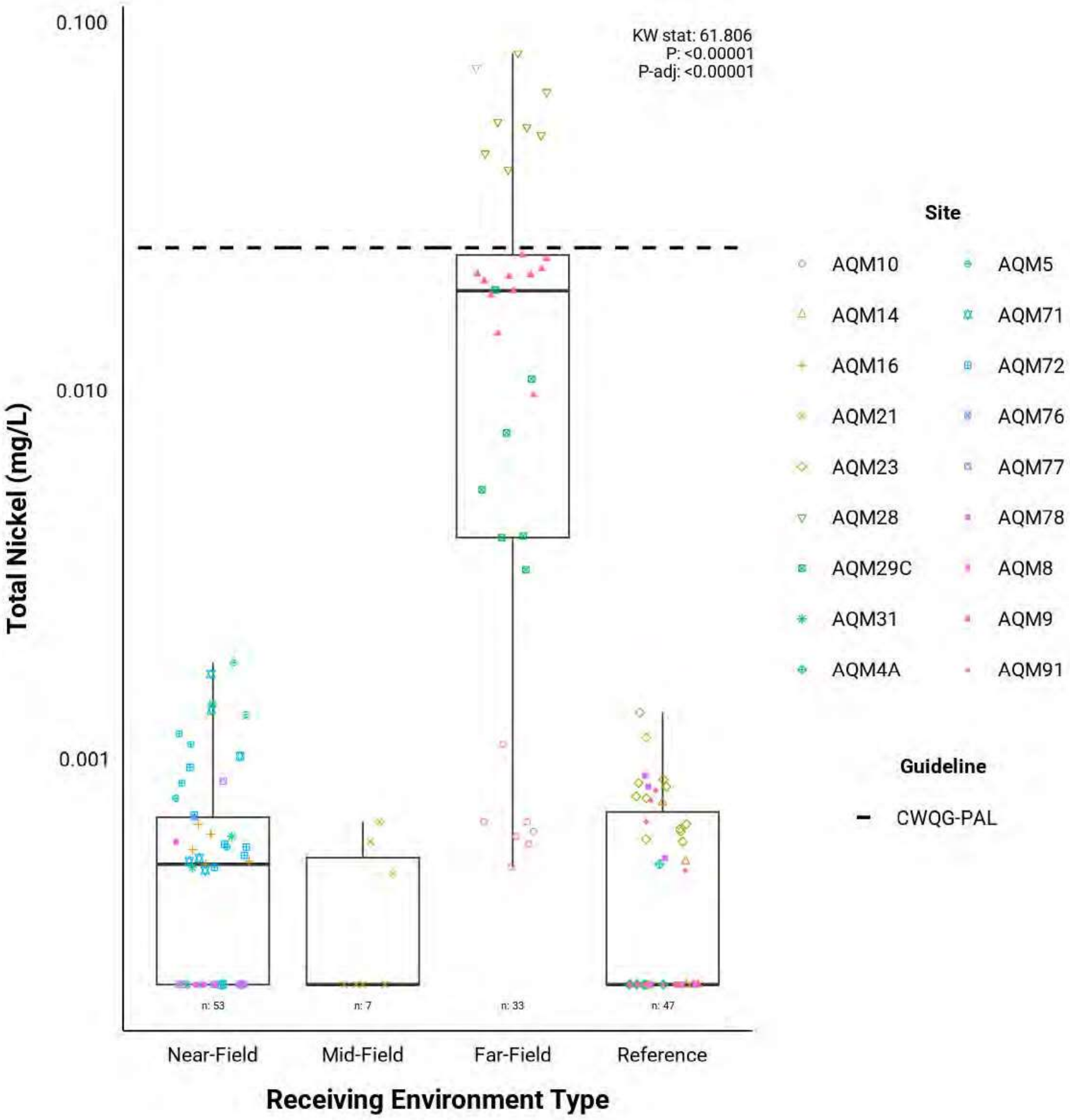


*Figure C.3-28 Total Nickel - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the MacLellan Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown. The dashed horizontal lines indicate the Canadian Water Quality Guidelines for the Protection of Aquatic Life (CWQG-PAL).*

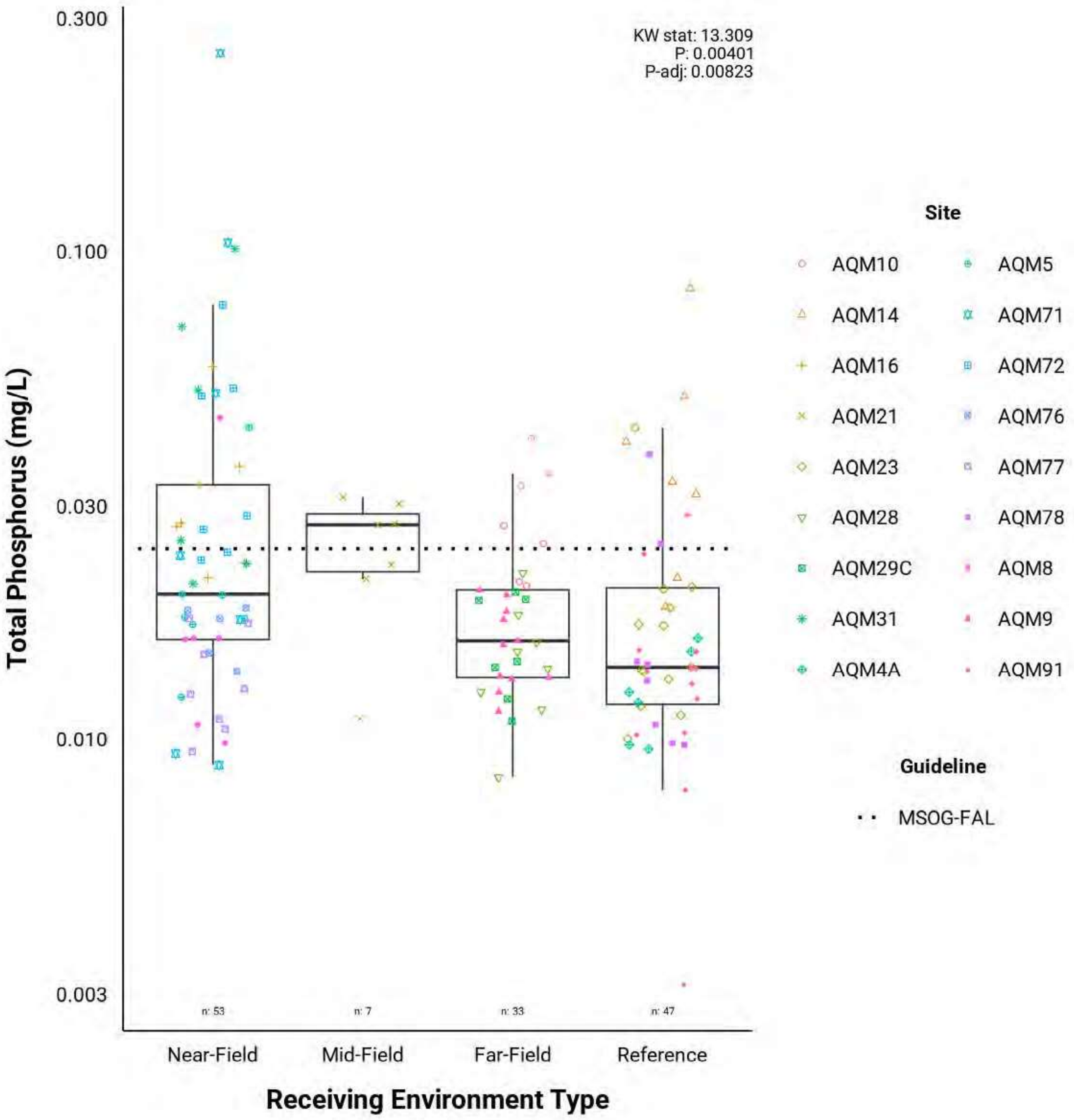


*Figure C.3-29 Total Phosphorus - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the MacLellan Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown. The dashed horizontal lines indicate the Manitoba Water Quality Standards Objectives and Guidelines for Freshwater Aquatic Life (MSOG-FAL).*

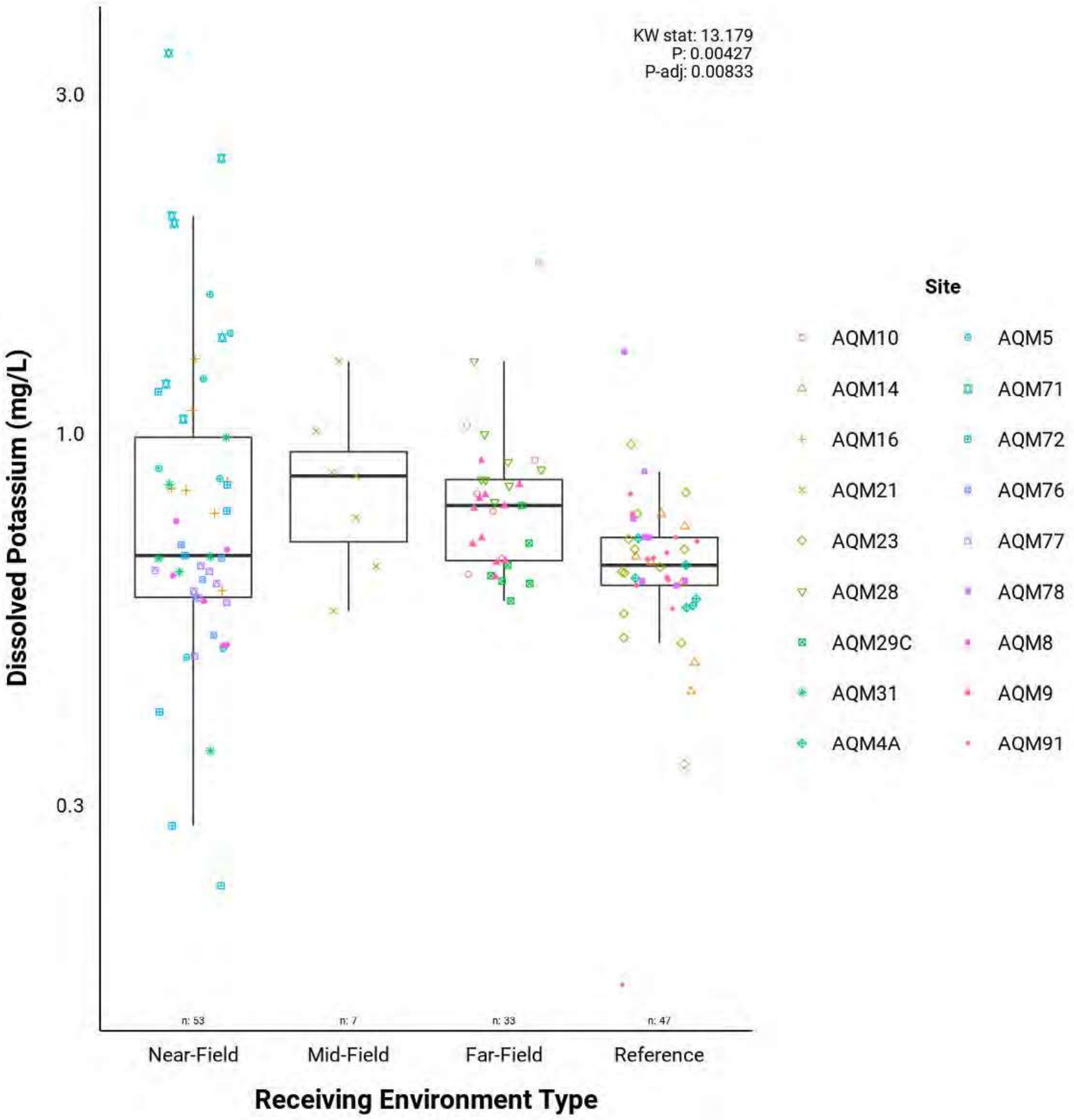


*Figure C.3-30 Dissolved Potassium - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the MacLellan Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown.*

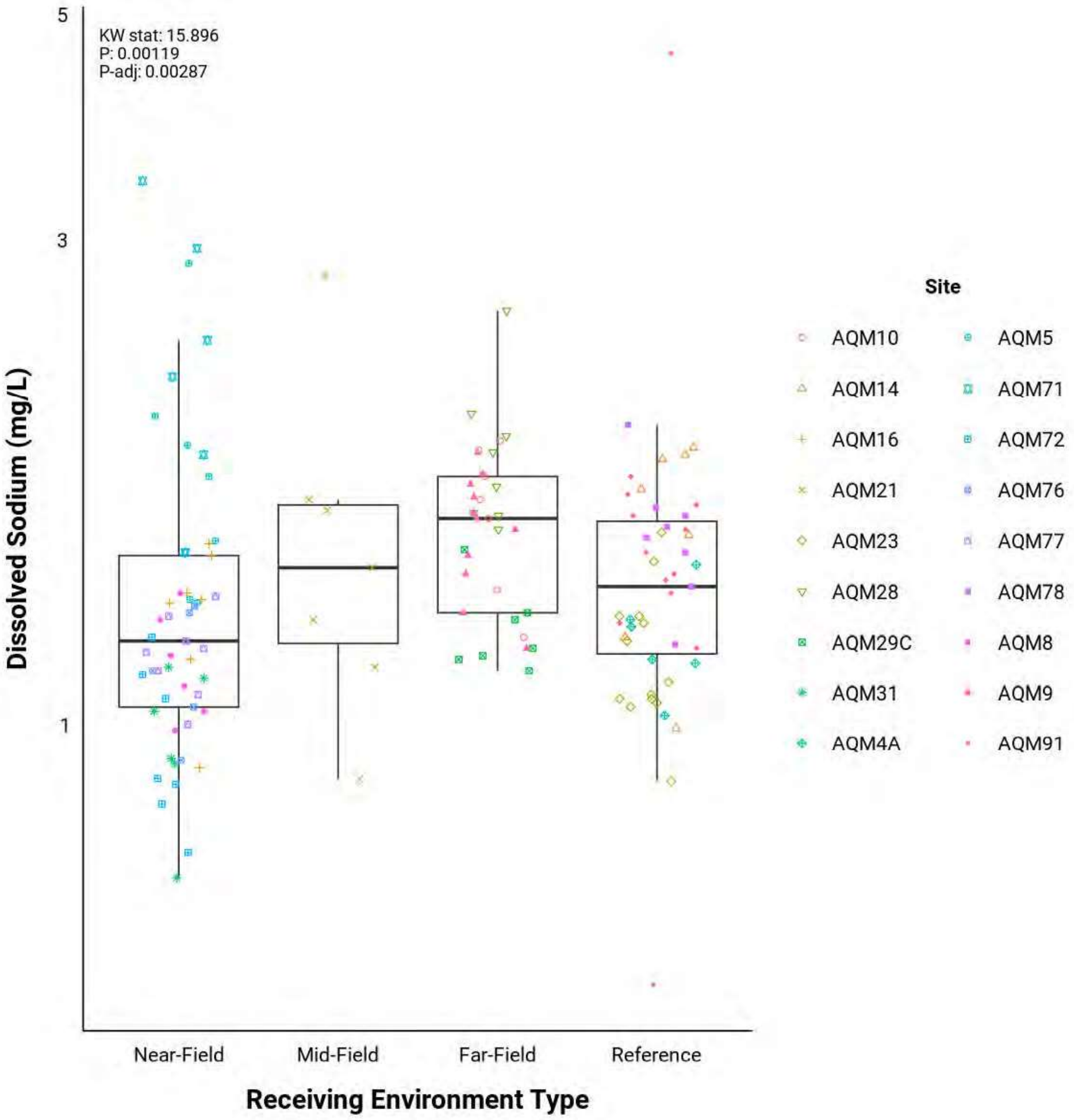


*Figure C.3-31 Dissolved Sodium - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the MacLellan Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown.*

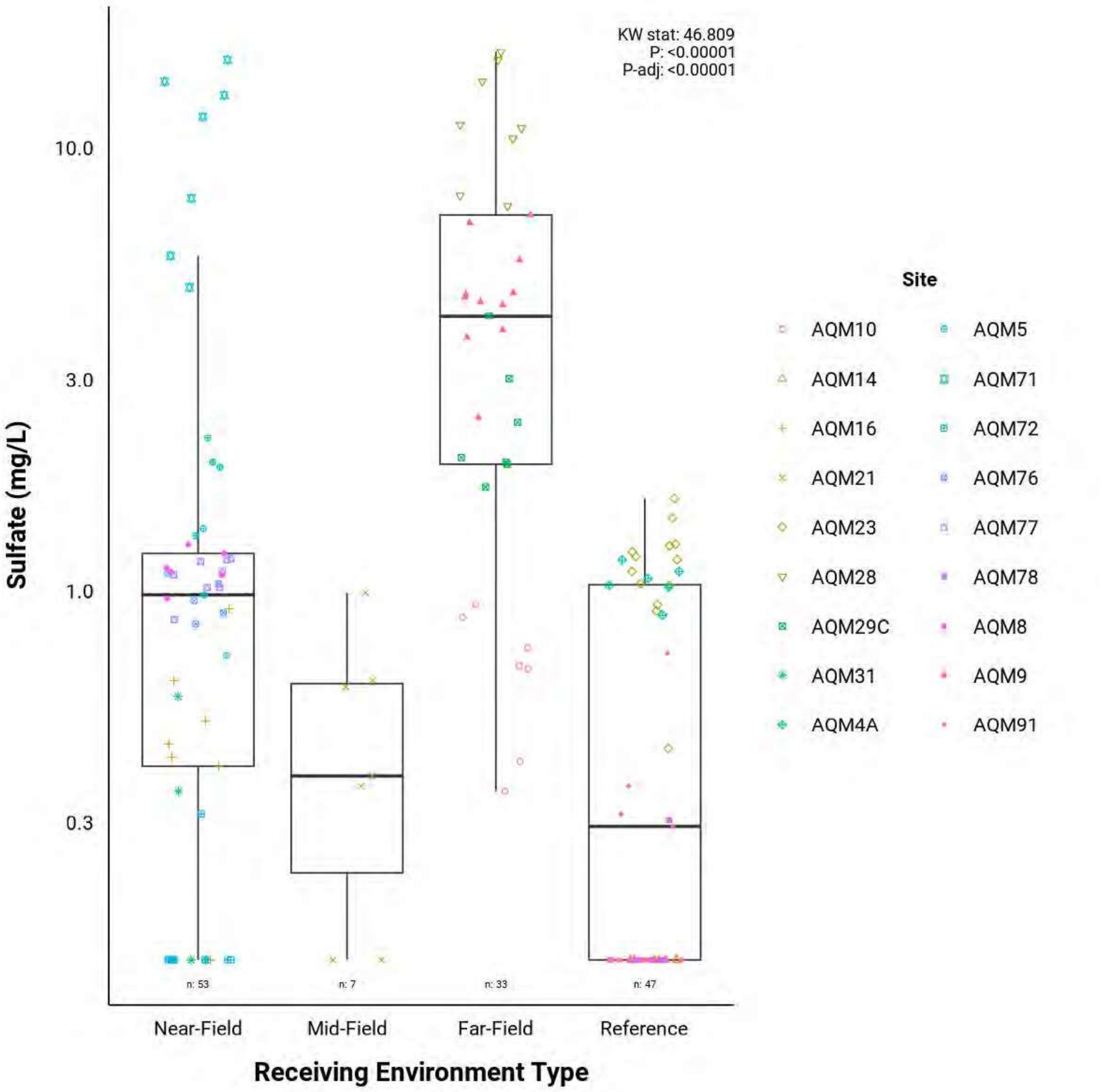


*Figure C.3-32 Sulfate - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the MacLellan Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown.*

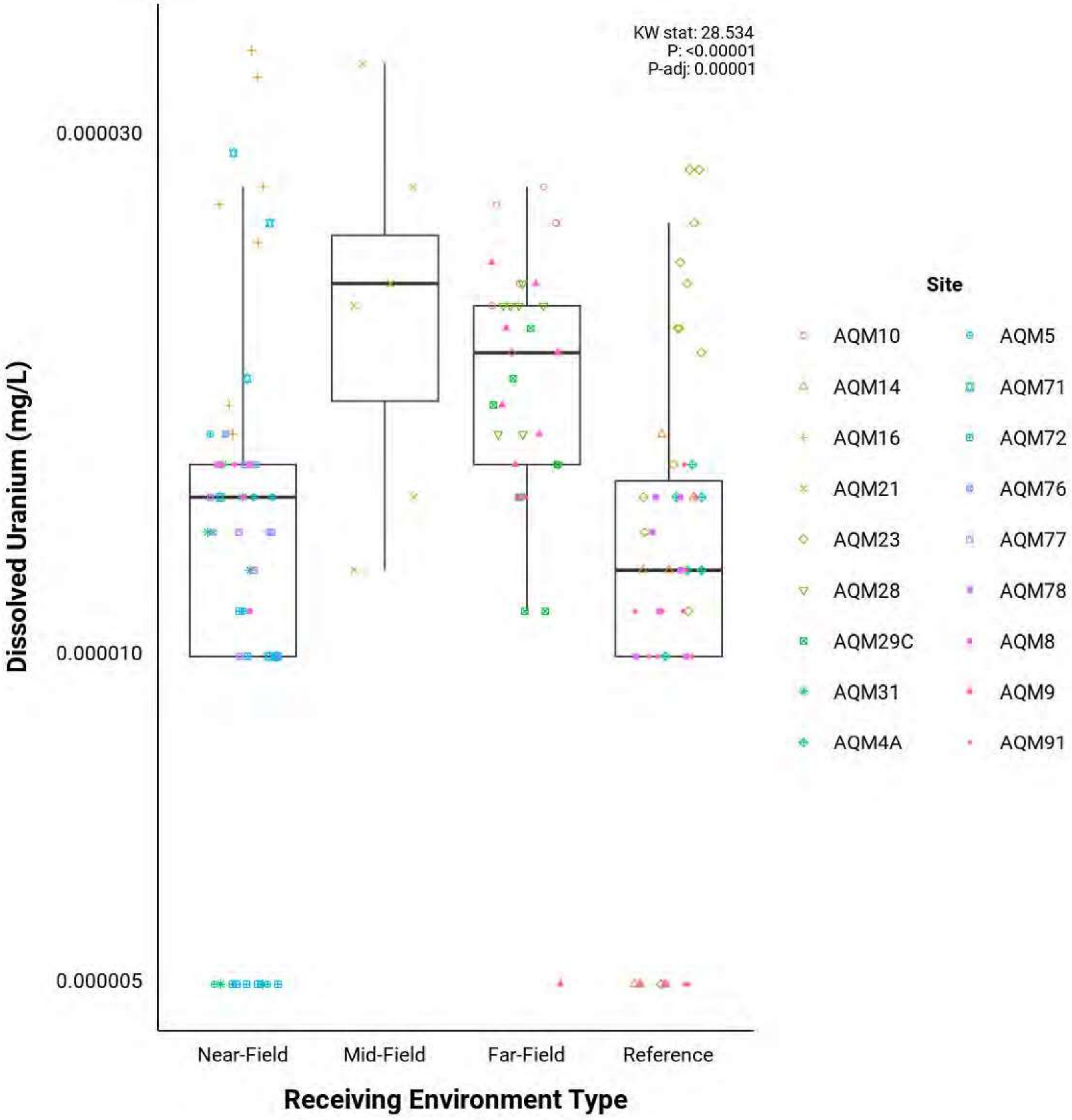


*Figure C.3-33 Dissolved Uranium - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the MacLellan Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown.*

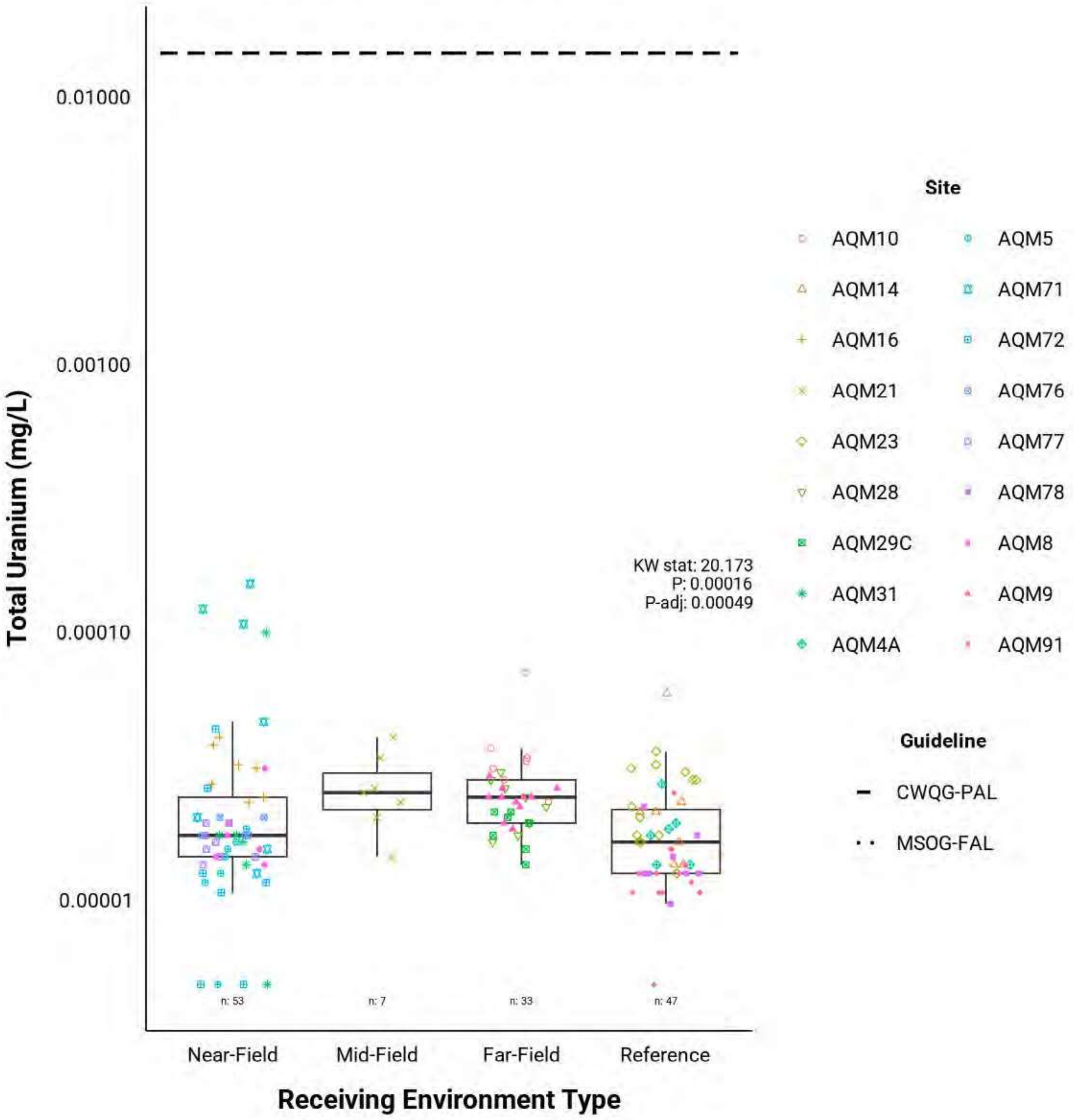


*Figure C.3-34 Total Uranium - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the MacLellan Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown.*

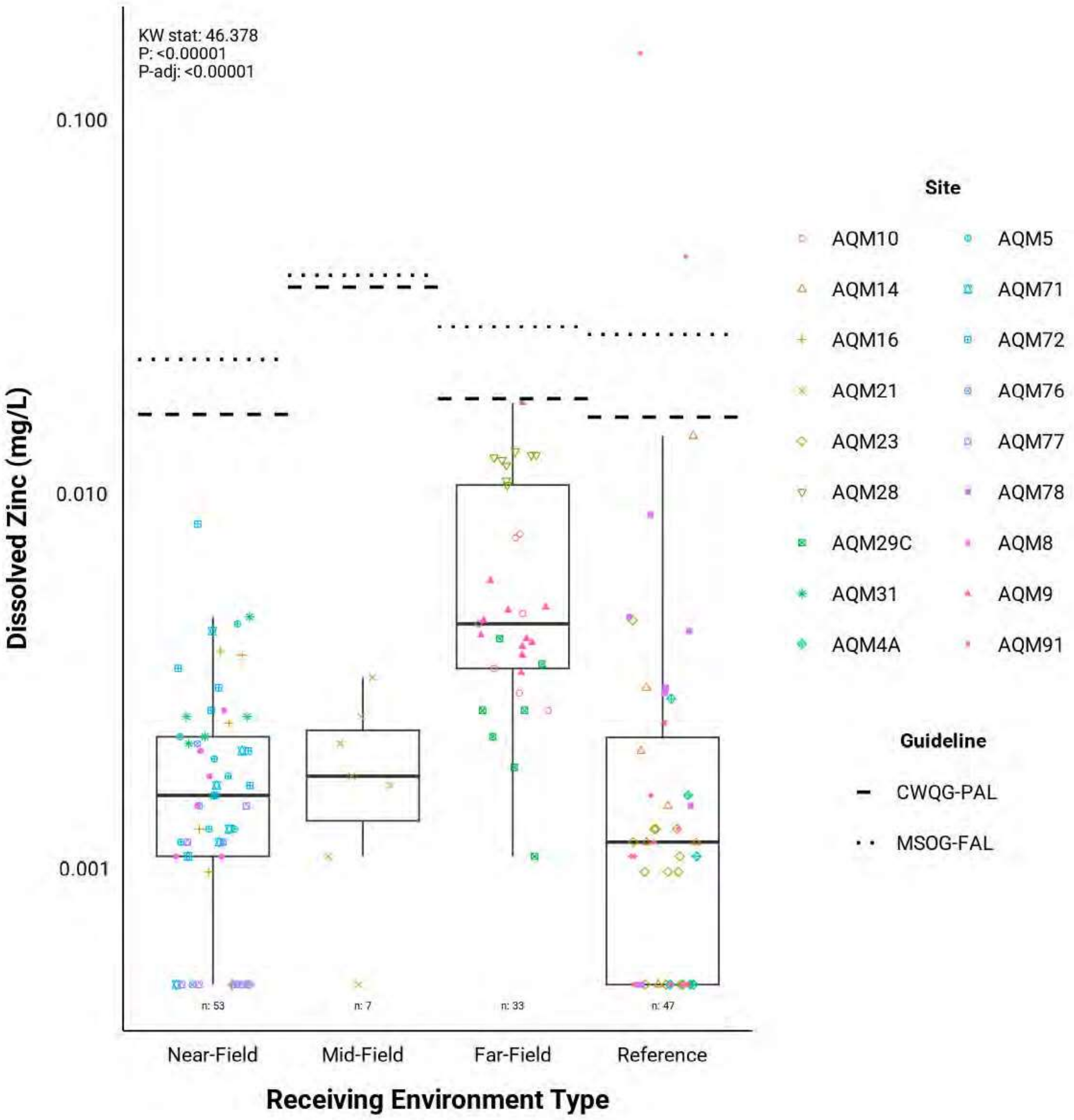


*Figure C.3-35 Dissolved Zinc - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the MacLellan Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown. The dashed horizontal lines indicate the Canadian Water Quality Guidelines for the Protection of Aquatic Life (CWQG-PAL) and Manitoba Water Quality Standards Objectives and Guidelines for Freshwater Aquatic Life (MSOG-FAL).*

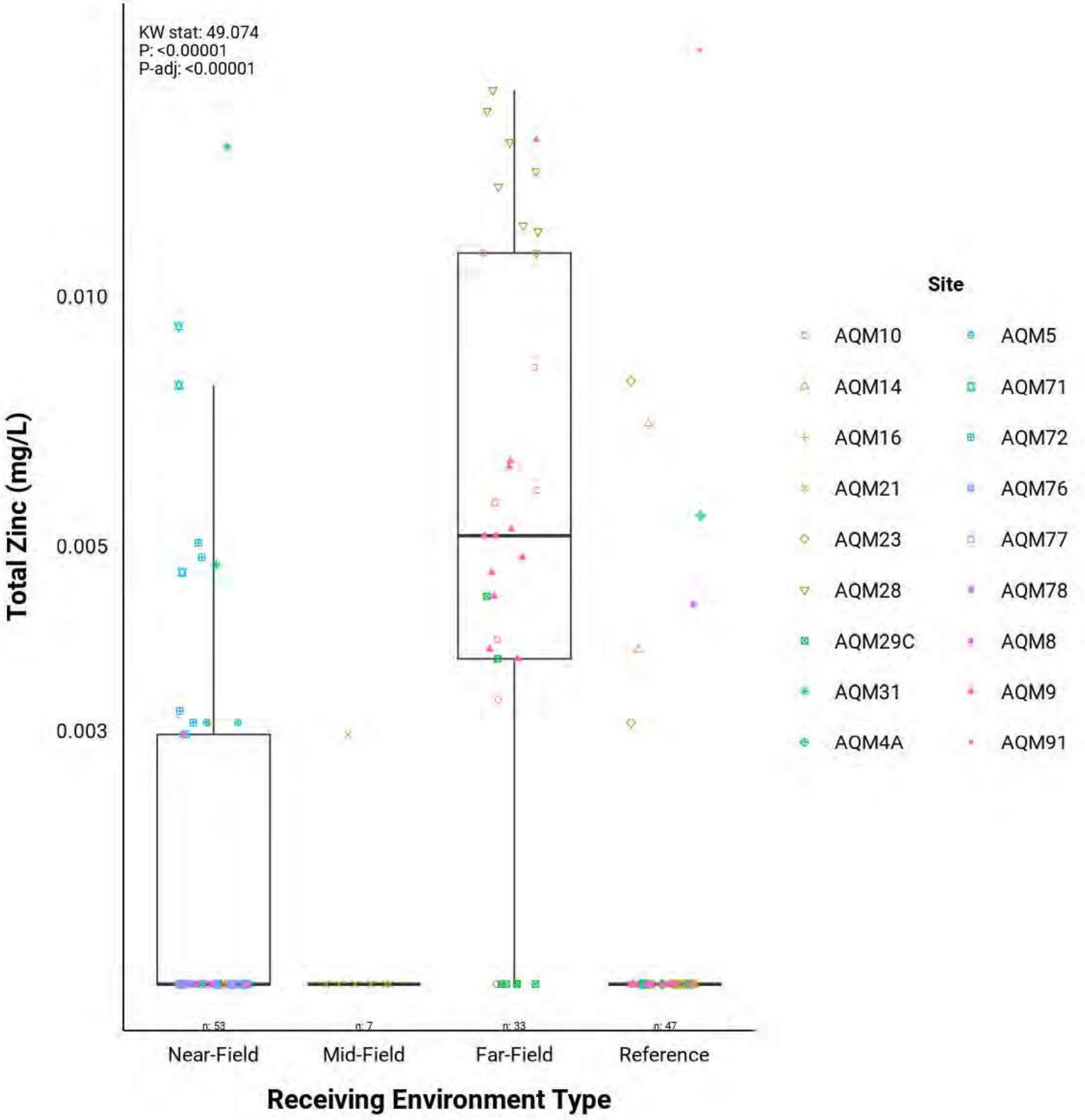


*Figure C.3-36 Total Zinc - Box-and-Whisker Plots showing concentration distributions by Receiving Environment Area at the MacLellan Site. Boxes span the first and third quartiles (the interquartile range, IQR), with the solid horizontal line indicating the median. Whiskers extend to the smallest and largest observations within 1.5 × IQR of the lower and upper quartiles, respectively. Kruskal-Wallis test statistics and p-values are shown.*

# Appendix C

# 2025 Groundwater Management and Monitoring Plan – Annual Report

# Lynn Lake Gold Project: 2025 Groundwater Management and Monitoring Plan – Annual Report

March 11, 2026

Prepared for:
Alamos Gold Inc.

Prepared by:
Stantec Consulting Ltd.

Project/File:
123515740.301.101

# Executive Summary

This 2025 Groundwater Management and Monitoring Plan – Annual Report was prepared to summarize the groundwater monitoring data collected at the Lynn Lake Gold Project (the Project) in fulfillment of Condition 17 (Licence No. 3390 and 3391) (The Government of Manitoba 2023) and Condition 2.5 (Federal Decision Statement).

Alamos Gold Inc. (Alamos) commenced construction of the Project in February 2025. The Project - located near the Town of Lynn Lake in northwestern Manitoba - includes open pit mining at two previous mine sites: the MacLellan site, located approximately 7 kilometres (km) northeast of Lynn Lake, and the Gordon site, located approximately 38 km east of Lynn Lake. In the 2025 reporting year, no construction activities took place at the Gordon site. Construction activities commenced only at the MacLellan site and were limited because of forest fires and associated evacuations. Specifically, construction activities took place between February 17, 2025, and May 27, 2025, and again between November 20, 2025 and December 31, 2025. The activities included demolition of historic infrastructure, site clearing, earthworks and limited blasting activities associated with non-acid-generating material for construction aggregate purposes.

Condition 17 (Licence No. 3390 and 3391) and Condition 2.5 (Federal Decision Statement) required the development and implementation of Management and Monitoring Plans prior to construction. This annual compliance report relates to the Groundwater Management and Monitoring Plan (Version 0, January 2025) (Alamos 2025) (the Plan) and data collected and analyzed between January 1, 2025, and December 31, 2025, in relation to groundwater in accordance with the Plan (Alamos 2025).

Groundwater monitoring in 2025 included groundwater quantity and quality monitoring during construction activities at the MacLellan site, with the following findings for the 2025 monitoring period:

- There was no development of the open pit, MRSA or TMF in 2025 and therefore no pumping of groundwater from the open pit, or historical underground workings at the MacLellan site occurred in the 2025 monitoring period.
- Borehole drilling, monitoring well installation and monitoring well decommissioning occurred in the first quarter of 2025. The program installed proposed monitoring wells outside the footprint of future infrastructure as detailed in the Plan.
- Due to a mandatory wildfire evacuation neither the spring, nor summer groundwater quantity and quality sampling events could be completed at MacLellan. Construction resumed on November 20, 2025 and the fall groundwater monitoring event was completed.
- Groundwater quantity and quality monitoring required by the Plan for the fall monitoring event was completed with a few exceptions related to freezing conditions, failed automated water logging equipment, and a damaged monitoring location.
- Eight monitoring well locations were overprinted during site preparation activities. These locations were included in the Plan until such time decommissioning is required to support mine development. These locations will be removed from the monitoring program for the go forward.

There were no groundwater actions/responses required during 2025 (throughout the active construction period) at the MacLellan site. In relation to adaptive management:

- Groundwater quantity trigger threshold evaluation will begin following the start of open pit dewatering.
- Groundwater level trigger thresholds will be updated coinciding with the end of the baseline monitoring period.
- Groundwater quality trigger threshold evaluation should begin following placement of upgradient source material at the required monitoring locations for their respective mine infrastructure feature (MRSA or TMF).

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## List of Appendices

# 1 Introduction

Alamos Gold Inc. (Alamos) commenced construction of the Lynn Lake Gold Project (the Project) in February 2025. The Project - located near the Town of Lynn Lake in northwestern Manitoba - includes open pit mining at two previous mine sites: the MacLellan site, located approximately 7 kilometres (km) northeast of Lynn Lake, and the Gordon site, located approximately 38 km east of Lynn Lake (Map 1, Appendix A).

The Project received a positive Decision Statement from the Impact Assessment Agency of Canada (IAAC) under section 54 of the *Canadian Environmental Assessment Act*, 2012 on March 5, 2023, which was amended August 6, 2025. The Project also received separate licences under *The Environment Act* for the “MacLellan Gold Mine” (Licence No. 3391) and the “Gordon Gold Mine” (Licence No. 3390) from the Government of Manitoba on March 6, 2023.

Condition 17 (Licence No. 3390 and 3391) and Condition 2.5 (Federal Decision Statement) required the development and implementation of Management and Monitoring Plans prior to construction. A total of 21 plans were developed and shared to the Province of Manitoba and the Impact Assessment Agency of Canada in January 2025. Each Management and Monitoring Plan developed specifies reporting requirements appropriate to that discipline.

This annual compliance report relates to the Groundwater Management and Monitoring Plan (Version 0, January 2025) (the Plan) and data collected and analyzed between January 1, 2025 and December 31, 2025 in relation to groundwater in accordance with the Plan.

In the 2025 reporting year, no construction activities took place at the Gordon site. Construction activities commenced only at the MacLellan site and were limited because of forest fires and associated mandatory evacuations. Specifically, construction activities took place between February 17, 2025 and May 27, 2025 and again between November 20, 2025 and December 31, 2025. The activities included demolition of historical infrastructure, site clearing, earthworks, and limited blasting activities associated with non-acid-generating material for construction aggregate purposes.

Groundwater related activities undertaken in the 2025 reporting period included:

- A monitoring well installation and decommissioning program in the first quarter of 2025 to allow for access during frozen ground conditions.
- A fall groundwater quantity and quality monitoring event.
    - Due to a mandatory wildfire evacuation neither spring, nor summer groundwater quantity and quality monitoring events could be completed at the MacLellan site.

This report is organized into five (5) general sections, including this introduction (Section 1). Section 2 provides the monitoring and data collection methodology utilized during the 2025 monitoring program. Section 3 presents the monitoring results over the 2025 monitoring period. Section 4 presents and discusses the groundwater adaptive management in relation to the GMMP. Section 5 provides report conclusions and recommendations. Report references are presented in Section 6.

All maps/figures and tables referenced throughout the report are presented in Appendix A and Appendix B, respectively. Borehole logs for the monitoring wells installed in 2025 are included in Appendix C.

## 1.1 Purpose

The Project is authorized, subject to the conditions of the Licence No. 3391 and 3390 and the Federal Decision Statement, which includes requirements to monitor the effects on groundwater. The Plan (Alamos 2025) requires that a groundwater report from the monitoring program be submitted annually no later than March 31 following each reporting year, to regulatory authorities and shared with interested Indigenous Nations and stakeholders. This annual compliance report 2025 is submitted to fulfill requirements of the Condition 17 (Licence No. 3390 and 3391) and Condition 2.5 (Federal Decision Statement) and the Plan (Alamos 2025).

## 1.2 Regulatory Context

As stated in Section 1.4 of the Plan (Alamos 2025), the measured groundwater concentrations are compared with the following regulatory criteria:

- Canadian Water Quality Guidelines for the Protection of Aquatic Life – Freshwater (CWQG-FAL) (CCME 2018).
- Guidelines for Canadian Drinking Water Quality (GCDWQ) (Health Canada 2025).
- Site Condition Standards for the groundwater to surface water pathway (GW3) (Ontario Ministry of the Environment 2011a).
- Manitoba Water Quality Standards Objectives and Guidelines (MWQSOG) (for Freshwater Aquatic Life (FAL) and drinking water)(MSOG-FAL; MWS 2011).

# 2 Monitoring and Data Collection Methods

The groundwater quantity (pumped volume and water level) and quality monitoring methods employed in the 2025 monitoring period were consistent with those described in Section 4.1 of the Plan. In addition to the methods described in the Plan, borehole drilling, monitoring well installation, and monitoring well decommissioning was completed in 2025, which are described in Section 2.1 and 2.2.

## 2.1 Borehole Drilling and Monitoring Well Installation

Alamos retained Maple Leaf Drilling Ltd. (Maple Leaf) to complete the borehole coring and monitoring well installations at the MacLellan site in 2025. No drilling activities were completed at the Gordon site. The site work conducted by Maple Leaf and observed by Stantec field technicians was completed between January 16, 2025 and March 20, 2025. A GeoProbe 3230DT track mounted drill rig was used by Maple Leaf to complete each of the boreholes. The drilling was in both overburden and bedrock. Overburden was drilled until refusal or suspected bedrock contact using 108 mm (4.25-inch) internal diameter hollow stem augers which produced a borehole diameter of 222 mm (8.7 inch). Overburden sampling was completed using an auto-hammer driven 24-inch long splitspoon sampler. Bedrock was drilled using HQ coring techniques which produced a borehole diameter of 89 mm. Bedrock core was extracted using a 1.52 m long core barrel.

Stratigraphic logging was completed in the field by Stantec personnel. The stratigraphy as logged by Stantec is presented in borehole logs included in Appendix C.

Monitoring well design and construction was recommended by Stantec based on the stratigraphy observed in the field. Most monitoring wells were constructed using a 51 mm diameter Schedule 40 polyvinyl chloride (PVC) well casing and No. 10 slot (0.01-inch slot) PVC wells screens that ranged between 1.5 m to 3.1 m in length. At each of the new installations, the annular space between the well casing and the formation was backfilled with silica sand surrounding the well screen and extending to at least 0.3 m above the top of the well screen. Bentonite chips were used at each of the wells using positive displacement methods to backfill the remaining monitoring well annulus to ground surface. Monitoring wells were completed with above ground lockable protective steel casings.

Stantec completed well development at each of the new monitoring wells. Development was completed using either a Proactive Monsoon Pro Pump or were purged manually using Wattera tubing and a foot valve. Development was deemed to be complete once ten well volumes were removed from the well (for fast recovery wells) or once wells were purged dry three times (for slow recovery wells).

Eight monitoring wells at five locations were installed in the 2025 drilling program. The purpose of each monitoring well is detailed below:

- MWM-14A and MWM-14B - Monitor potential changes in water level in relation to TMF and monitor water quality within predicted flow path of seepage from mine rock storage area (MRSA) and tailings management facility (TMF) within bedrock and overburden.

- MWM-15A and MWM-15B - Monitor potential changes in water level in relation to TMF and monitor water quality within predicted flow path of seepage from MRSA and TMF within the bedrock and overburden, but based on the encountered stratigraphy, both monitoring wells were installed in the overburden.
- MWM-16A and MWM-16B - Monitor potential changes in water level in relation to TMF and monitor water quality within predicted flow path of seepage from MRSA and TMF within bedrock and overburden, but based on the encountered stratigraphy, both monitoring wells were installed in the overburden.
- MWM-17 - Monitor potential changes in water level in relation to TMF and monitor water quality within predicted flow path of seepage from MRSA and TMF within bedrock. Minimal overburden thickness did not allow for the installation of a monitoring well screened in the overburden.
- MWM-18 - Monitor potential changes in water level due to open pit dewatering within bedrock. During drilling, the overburden was frozen down to the bedrock interface. No overburden monitoring well was installed.

A Real-Time Kinematic global positioning system was used to obtain the elevations in metres above mean sea level (m AMSL) of ground surface and top of the PVC well casing for each new monitoring well on the geodetic datum applied at the Lynn Lake site (Referenced to UTM Easting (m), NAD83 datum, Zone 14; Central Meridian 99°W). Elevation data for the new monitoring wells are presented in Table B-2 in Appendix B and in the borehole logs provided in Appendix C.

The new monitoring locations will be incorporated into the monitoring program in accordance with the GMMP. Monitoring well locations are presented in Figures A-1 and A-2 in Appendix A. Monitoring requirements are summarized in Table B-1 in Appendix B. Monitoring well installation details are summarized in Table B-2 in Appendix B.

## 2.2 Monitoring Well Decommissioning

Alamos retained Maple Leaf to complete monitoring well decommissioning at the MacLellan site in 2025. No decommissioning activities were completed at the Gordon site in the 2025 reporting period. The site work conducted by Maple Leaf and observed by Stantec field technicians was completed between January 21, 2025 and March 2, 2025. A GeoProbe 3230DT track mounted drill rig was used by Maple Leaf to complete the decommissioning as follows:

- Removal of the monitoring well PVC end cap.
- Filling of the monitoring well PVC casing with bentonite chips to ground surface.
- Pulling the monitoring well PVC casing.
- Overdrilling the monitoring well location to depths of up to 5.5 m BGS using 108 mm (4.25-inch) internal diameter hollow stem augers producing a borehole diameter of 203 mm. Where bedrock refusal occurred within 5.5 m of ground surface, overdrilling was only advanced to the depth of bedrock.
- Borehole was filled to ground surface with bentonite chips.

Groundwater monitoring locations decommissioned in 2025 were included in the Plan for manual groundwater levels in the spring, summer, and fall monitoring events, but noting that monitoring will only continue until decommissioning is required to support mine development. The following monitoring locations were located within or directly adjacent to mine infrastructure (MRSA, open pit, overburden stockpile, and TMF) and were decommissioning to support mine development:

- BH18-01B
- BH18-01S
- BH18-02
- BH18-03
- BH18-04B
- BH18-04S
- B18-05
- BH18-06
- BH18-06
- BH18-07
- BH18-08B
- BH18-08S
- BH18-09B
- BH18-09S
- GBHM-04
- GBHM-08
- GBHM-09A
- GBHM-09B
- GBHM-16-08R
- GBHM-16-08S
- GBHM-16-09

Monitoring well locations decommissioned in 2025 have been removed from the monitoring program and are on Figure A-1 in Appendix A, in the monitoring program summary (Table B-1) and the well details table (Table B-2) in Appendix B for record keeping purposes.

# 3 Results

## 3.1 Gordon Site

In accordance with the Plan, groundwater quantity and quality monitoring at the Gordon site occurs in the spring, summer, and fall of each year beginning the year mine construction commences. In the 2025 reporting year, no construction activities took place at the Gordon site, and therefore no construction monitoring was conducted at the Gordon site. The Gordon site was still considered to be under baseline conditions.

## 3.2 MacLellan Site

In accordance with the Plan, groundwater quantity and quality monitoring at the MacLellan site occurs in the spring, summer, and fall of each year beginning in the year mine construction commences. Construction at the MacLellan site commenced on February 17, 2025 but due to a mandatory wildfire evacuation construction paused at the MacLellan site on May 27, 2025 and neither spring, nor summer groundwater quantity and quality sampling events could be completed. Construction resumed on November 20, 2025 and the fall groundwater monitoring event was completed. Construction at the MacLellan site consisted of tree clearing and access road construction. There was no open pit development or placement of mine rock and tailings, therefore the MacLellan site was still considered to be baseline conditions with respect to groundwater. The following sections present the results for the fall 2025 monitoring event at the MacLellan site.

### 3.2.1 Groundwater Quantity Monitoring

Groundwater quantity monitoring is divided into two categories: pumped volume monitoring and groundwater level monitoring. The following sections describe the monitoring results for each category.

#### 3.2.1.1 Pumped Volume Monitoring

Monitoring of daily pumped volume from the open pit and historical underground workings at the MacLellan site is required under the Plan. No pumping occurred at the MacLellan site in the 2025 monitoring period.

#### 3.2.1.2 Water Level Monitoring

Water level monitoring at the MacLellan monitoring wells and drive-point piezometers is required in the spring, summer, and fall as per the Plan. As indicated above, only the fall 2025 monitoring event could be safely completed. The fall 2025 groundwater level monitoring occurred between October 29, 2025 and November 4, 2025 in accordance with the Groundwater Management and Monitoring Plan with the following exceptions:

- GBHM-06A, GBHM-06B, MWM-07A, MWM-07B, MWM-09A, MWM-09B, MWM-11R, and MWM-11S were located within the footprint of the open pit and were overprinted during site preparation activities. These locations were included for manual groundwater levels in the spring, summer, and fall until such time decommissioning was required to support mine development. No manual groundwater levels could be taken. These locations will be removed from the monitoring program in the go forward.
- GBHM-16-01R was noted as damaged. This location was included for manual groundwater levels in the spring, summer, and fall 2025. No groundwater level could be measured. Well repairs are scheduled for 2026.
- MWM-10B, GBHM-17-02S and DPM-06SW pressure transducers malfunctioned. Replacement pressure transducers were installed during the fall monitoring event in 2025.
- MWM-13A pressure transducer was frozen in the lower portion of the screened interval and could not be downloaded. This transducer will be revisited in 2026.
- MWM-13B was frozen and a manual water level could not be measured. The pressure transducer could not be removed from the well or downloaded. This well will be revisited in 2026.
- MWM-18 was frozen and a manual water level could not be measured. A pressure transducer could not be installed. This monitoring well was included in the Plan for manual and automated groundwater level monitoring and has been visited once since the well was installed. A pressure transducer will be installed during the next monitoring event when the monitoring well is not frozen.

Hydrographs presenting the 2024 and 2025 manual and automated groundwater levels are presented in Figures A-4 to A-7 in Appendix A. Table B-3 (Appendix B) presents the manual groundwater levels collected in 2025.

The automated water level data allowed the interpretation of seasonal groundwater level variations and responses to precipitation events. Groundwater levels generally increased in April and May in response to the mean daily temperature increasing above freezing and the initiation of spring recharge. Following a peak in water levels in the late spring, groundwater levels declined gradually through the summer in response to lower amounts of precipitation and increased evapotranspiration. In August 2025, the sum of precipitation was 173.7 mm which is almost 2.5 times greater than the climate normal of 70.7 mm. In particular there was a 76.9 mm and 69.5 mm precipitation events on August 14 and 21, 2025. A clear groundwater level response to this increased precipitation and associated recharge was observed at each of the monitoring wells with automated data logging. Groundwater levels generally declined from late fall through winter.

The groundwater level response to spring recharge and precipitation events was generally larger (greater than 1 m) at monitoring wells associated with topographic highs versus monitoring wells installed adjacent to surface water features or topographic lows (less than 1 m). The water level response in nested overburden and bedrock monitoring wells was similar in variation and magnitude indicating hydraulic connection between overburden and the shallow bedrock.

### 3.2.2 Groundwater Flow

Groundwater elevation contours in overburden and shallow bedrock were interpreted using manual water level measurements collected during the fall monitoring event in 2025. Groundwater flow direction is interpreted perpendicular to the groundwater elevation contours. Figure A-3 presents the interpreted groundwater elevation contours and interpreted flow directions from water levels measured at each accessible monitoring in fall 2025. Ground surface elevations and the elevation of surface water features were considered in the interpretation of the groundwater elevation contour map.

In general, groundwater flow within the overburden and shallow bedrock was approximated as a subdued version of the ground surface with localized groundwater flow systems controlled by topography.

Groundwater recharges in the higher elevations and flows radially outward from topographic highs towards lower lying areas, where it discharges into wetlands, streams, or lakes.

### 3.2.3 Groundwater Quality

Groundwater quality monitoring is required in accordance with the Groundwater Management and Monitoring Plan in the spring, summer, and fall. As indicated above, only the fall 2025 monitoring event could be safely completed. The fall 2025 groundwater quality monitoring occurred between October 29, 2025 and November 4, 2025, with the following exceptions:

- GBHM-16-03R, GBHM-16-03S, GBHM-16-06, MWM-12B, MWM-13B, and MWM-14B were frozen. No groundwater quality sample could be collected.
- MWM-02B was dry. No groundwater quality sample could be collected.

Table B-4 in Appendix B presents the 2025 groundwater quality monitoring data in comparison to the regulatory framework outlined in Section 1.2 of this report and Section 1.4 of the Plan. 2025 groundwater quality at the MacLellan site is representative of baseline groundwater quality as there has been no generation or placement of Mine material (i.e. waste rock, tailings) with seepage that would have the potential to affect groundwater quality.

Most parameters met the given regulatory criteria with the exception of some parameters. Elevated concentrations of hardness, iron, manganese, and colour were consistently observed at the majority of monitoring wells and are typical of groundwater in northern Manitoba. Phosphorus and fluoride were also elevated in comparison with the regulatory criteria at select locations. Elevated concentrations of these parameters above regulatory criteria is reflective of natural mineralization and geochemical processes in the area.

#### 3.2.3.1 Quality Assurance and Quality Control

Groundwater samples were packed in coolers with ice and shipped either from Lynn Lake to Winnipeg by Canada Post, Express mail, or from Thompson to Winnipeg by NCN Thompson Bus and Freight under chain of custody documentation taking appropriate steps to meet sample holding times. Groundwater quality samples were submitted to ALS Environmental Laboratory (ALS) in Winnipeg for analysis.

As a check on laboratory analytical methods and on sample precision, the following quality assurance and quality control (QA/QC) samples were included in the sampling and analysis programs:

- Field duplicates
- Field blank
- Trip blank

Groundwater quality QA/QC samples were collected in accordance with the Plan.

Field duplicates were collected at randomly selected sampling sites along with the parent sample at a frequency of one duplicate sample per 10 groundwater samples. Field duplicate samples were submitted blind, without the location, name, or time indicated on the label, to measure within-site variability and the precision of field methods and laboratory analyses. The fall 2025 groundwater quality monitoring program incorporated the submission and analysis of field duplicate samples from GBHM-07, MWM-06B, and MWM-12A.

To evaluate the precision associated with sampling and analytical methods, the sample and its duplicate were used to calculate the relative percent difference (RPD). The RPD was calculated using the following formula:

$$RPD = \left| \frac{C_1 - C_2}{(C_1 + C_2)/2} \right| \times 100$$

Where: C1 is the concentration in the original sample

C2 is the concentration in the sample replicate

The RPD calculations are provided in Table B-4 in Appendix B.

When the analytical result for either the original sample or its duplicate/replicate was less than the analytical limit of reporting (detection limit) (LOR), the RPD was not calculated. Similarly, if one or the other of the results was less than 5 times the LOR, the RPD was not calculated. In these cases, the analytical results were assumed to have a high degree of similarity.

An RPD of 20% is commonly used as a data quality objective in Canadian jurisdictions (Ontario MOE 2011b; BC ENV 2013; CCME 2016).). RPDs above the defined criteria are shown in bold and underlined font in Table B-4 in Appendix B.

Where RPDs were calculated, values were 20% or below for the analyzed parameters with two exceptions. The RPD for total suspected solids and zinc at MWM-12A were 59% and 22%, respectively. Variability in total suspended solids and turbidity may result from monitoring well purging techniques and purging rates during sample collection. The total suspended solids concentration was 70.8 mg/L in the parent sample and 130 mg/L in the field duplicate sample. The concentration of zinc in the parent sample was 0.0071 mg/L and 0.0057 mg/L in the field duplicate sample. The variability in the total suspended solids and zinc concentrations between the parent and duplicate fall 2025 samples are relatively consistent with the range of concentrations measured historically at MWM-12A as detailed below:

- Total suspended solids - 241 mg/L and 339 mg/L – 2 samples
- Zinc – 0.0037 mg/L and 0.004 mg/L – 2 samples

Zinc concentrations are an order of magnitude less than applicable regulatory criteria details in Table B-4 in Appendix B. There is no regulatory criteria for total suspended solids. As the parent and field duplicate sample concentrations of total suspended solids and zinc are consistent with historical variability and don't change the classification of the water quality relative to the regulatory criteria the lack of precision did not impact the overall interpretation of the analytical results.

A field blank was collected to assess the potential for cross-contamination in the field. The field blank sample collected at a groundwater quality sampling location and was typically collected first to avoid potential contamination of the samples. A set of sample bottles were filled with deionized water provided by ALS. The field blank sample was preserved, as required, following the same method as groundwater samples. Field blanks were compared to the LOR of each analytical parameter. Results were reviewed when the concentration of a given parameter exceeded the LOR and flagged when the concentration exceeded fives times the LOR. The flagged results were submitted to the laboratory to recheck and either confirm or repeat the analysis. Field blank results are presented in Table B-4 in Appendix B. Field blank analyte concentrations were below the LOR with three exceptions, conductivity, dissolved copper, and dissolved molybdenum. The concentration of the three parameters in the field blank were less than five times their respective LOR.

A trip blank was collected to assess the potential for sample contamination during transit. Sealed trip blanks were provided by ALS and accompanied water samples to and from the field to be opened only when they arrived at the laboratory for analysis. The trip blank was compared to the LOR of each parameter. Results were reviewed when the concentration of a given parameter exceeded the LOR and flagged when the concentration exceeded fives times the LOR. The flagged results were submitted to the laboratory to recheck and either confirm or repeat the analysis. Trip blank results are presented in Table B-3 in Appendix B. Trip blank analyte concentrations were less than their respective LOR.

Based on the results of the QA/QC sampling, the groundwater analytical data was reproducible and of an acceptable quality to allow for comparison with applicable standards and guidelines.

# 4 Groundwater Adaptive Management

Adaptive management is used with respect to groundwater to identify, assess the environmental significance of, and as appropriate, respond to an effect of the Project on groundwater beyond that predicted in the EIS.

Trigger thresholds for groundwater quantity and quality were defined in the Plan for the respective indicator parameters that would initiate specific adaptive management actions depending on the severity of the action level triggered. Up to two trigger thresholds have been defined, each with a varying level of sensitivity and associated level of response. The purpose of establishing multiple action levels is to identify potential groundwater issues as soon as possible through routine screening and to identify the appropriate action level to address potential impacts to groundwater resources as a result of the Project. If the trigger threshold is exceeded, an associated response plan would be initiated. The specifics of the groundwater trigger thresholds (including values) and associated response plans are detailed in the GMMP.

The following sections provide a summary of the trigger threshold evaluations for the 2025 monitoring period at the MacLellan site. No construction occurred at the Gordon site during the 2025 monitoring period.

## 4.1 Groundwater Quantity

Two indicator parameters, groundwater level and average daily pumped volume, are defined in the Plan for groundwater quantity at the MacLellan site.

The pumped volume trigger threshold for the open pit was chosen to indirectly monitor dewatering of the open pit on groundwater levels. Pumped volumes from the open pit are to be recorded daily and compared with trigger threshold volumes quarterly. No open pit development or open pit dewatering occurred during the 2025 monitoring period. As a result, no groundwater trigger threshold evaluation related to pumped volume was required for the 2025 monitoring period.

The groundwater level trigger thresholds were chosen to monitor potential changes in groundwater levels associated with dewatering the open pit to be protective of wetlands and baseflow to surface water features. Groundwater level trigger thresholds are defined at the following monitoring locations:

- GBHM-17-03
- MWM-10B
- MWM-06B
- MWM-17
- MWM-10A
- MWM-18

No open pit development or open pit dewatering occurred during the 2025 monitoring period. Therefore, no groundwater level trigger threshold evaluation was required for the 2025 monitoring period.

Groundwater trigger threshold evaluation will begin following the start of open pit dewatering in accordance with the Plan.

## 4.2 Groundwater Quality

Six groundwater quality trigger threshold indicator parameters are defined in the Plan: dissolved arsenic, dissolved antimony, dissolved copper, cyanide (total, free, and WAD), dissolved selenium, and sulphate. Groundwater monitoring locations were identified to monitor for potential effects of seepage from the MRSA and/or the TMF in the following areas:

- Upgradient/cross-gradient of Minton Lake: GBHM-20, GBHM-16-03R/S, MWM-14A/B, MWM-15A/B, and MWM-16A/B.
- Upgradient of Payne Lake and associated tributary of the Keewatin River: MWM-02A and MWM-13.
- Upgradient of the Keewatin River: GBHM-12.

Comparison with groundwater quality trigger thresholds is to occur in the spring, summer, and fall, following the availability of data from each respective monitoring event. Neither the MRSA or the TMF were constructed or were operational in the 2025 monitoring period. As a result, no groundwater quality trigger threshold evaluation was required for the 2025 monitoring period. Groundwater trigger threshold evaluation will begin at the required monitoring locations when their respective upgradient mine infrastructure feature (MRSA or TMF) becomes operational.

Figures A-8 to A-19 present baseline groundwater quality graphs of groundwater quality trigger threshold indicator parameters for groundwater quality trigger threshold monitoring locations for reference.

# 5 Conclusion

This annual compliance report relates to the Groundwater Management and Monitoring Plan (Alamos 2025) (the Plan) and data collected and analyzed in 2025.

Groundwater monitoring in 2025 included groundwater quantity and quality monitoring during construction activities at the MacLellan site. The following conclusions are presented for the 2025 monitoring period:

- Construction activities commenced at the MacLellan site on February 17, 2025, by way of tree clearing and construction of access roads.
- Due to a mandatory wildfire evacuation,  no construction activities took place between May 27, 2025, and November 20, 2025.
- No development of the open pit, MRSA or TMF occurred during 2025 monitoring period.
- No pumping of groundwater from the open pit, or historical underground workings at the MacLellan site occurred in the 2025 monitoring period.
- Borehole drilling, monitoring well installation and monitoring well decommissioning occurred in the first quarter of 2025. The program installed proposed monitoring wells outside the footprint of future infrastructure as detailed in the Plan.
- Due to a mandatory wildfire evacuation neither the spring, nor summer groundwater quantity and quality sampling events could be completed at MacLellan. Construction resumed on November 20, 2025 and the fall groundwater monitoring event was completed.
- Groundwater quantity and quality monitoring required by the Plan for the fall monitoring event was completed with a few exceptions related to freezing conditions, failed automated water logging equipment, and a damaged monitoring location.
- Eight monitoring well locations were overprinted during site preparation activities. These locations were included in the GMMP until such time decommissioning is required to support mine development. These locations will be removed from the monitoring program.
- Adaptive Management:
  - Groundwater quantity trigger threshold evaluation will begin following the start of open pit dewatering.
  - Groundwater level trigger thresholds will be updated coinciding with the end of the baseline monitoring period.
  - Groundwater quality trigger threshold evaluation should begin following placement of upgradient source material at the required monitoring locations for their respective mine infrastructure feature (MRSA or TMF).

This document entitled "*Lynn Lake Gold Project: 2025 Groundwater Management and Monitoring Plan – Annual Report*" was prepared by Stantec Consulting Ltd. ("Stantec").

Prepared by: Date: 2026.03.11 18:42:36 -04'00'

Signature

Ryan Dong, B.Sc.
Project Coordinator

Printed Name and Title

Reviewed by: M.J. FRASER Member 38498G

Digitally signed by Fraser, Michelle
Date: 2026.03.11 19:48:17 -04'00'

Signature

Michelle Fraser, M.Sc., P.Geo.
Senior Hydrogeologist

Approved by:

Digitally signed by Karen Mathers
Date: 2026.03.11 19:10:27 -05'00'

Signature

Karen Mathers
Senior Principal

*Stantec Consulting Ltd. prepared this report for the account of Alamos Gold Inc. (the "Client") as per conditions 17 (Licence No. 3390 and 3391) and 2.5 (Federal Decision Statement [FDS]). In connection therewith, this document may be reviewed and used by the Province of Manitoba and IAAC participating in the review process in the normal course of its duties. Except as set forth in the previous sentence, any use which a third party makes of this report, or any reliance on or decision made based on it, are the responsibility of such third parties. The material in it reflects Stantec's professional judgment in light of the scope, schedule and other limitations stated in the document and in the contract between Stantec and the Client. Stantec Consulting Ltd. accepts no responsibility or damages, if any, suffered by any third party as a result of decisions made or actions based on this report.*

# 6 References

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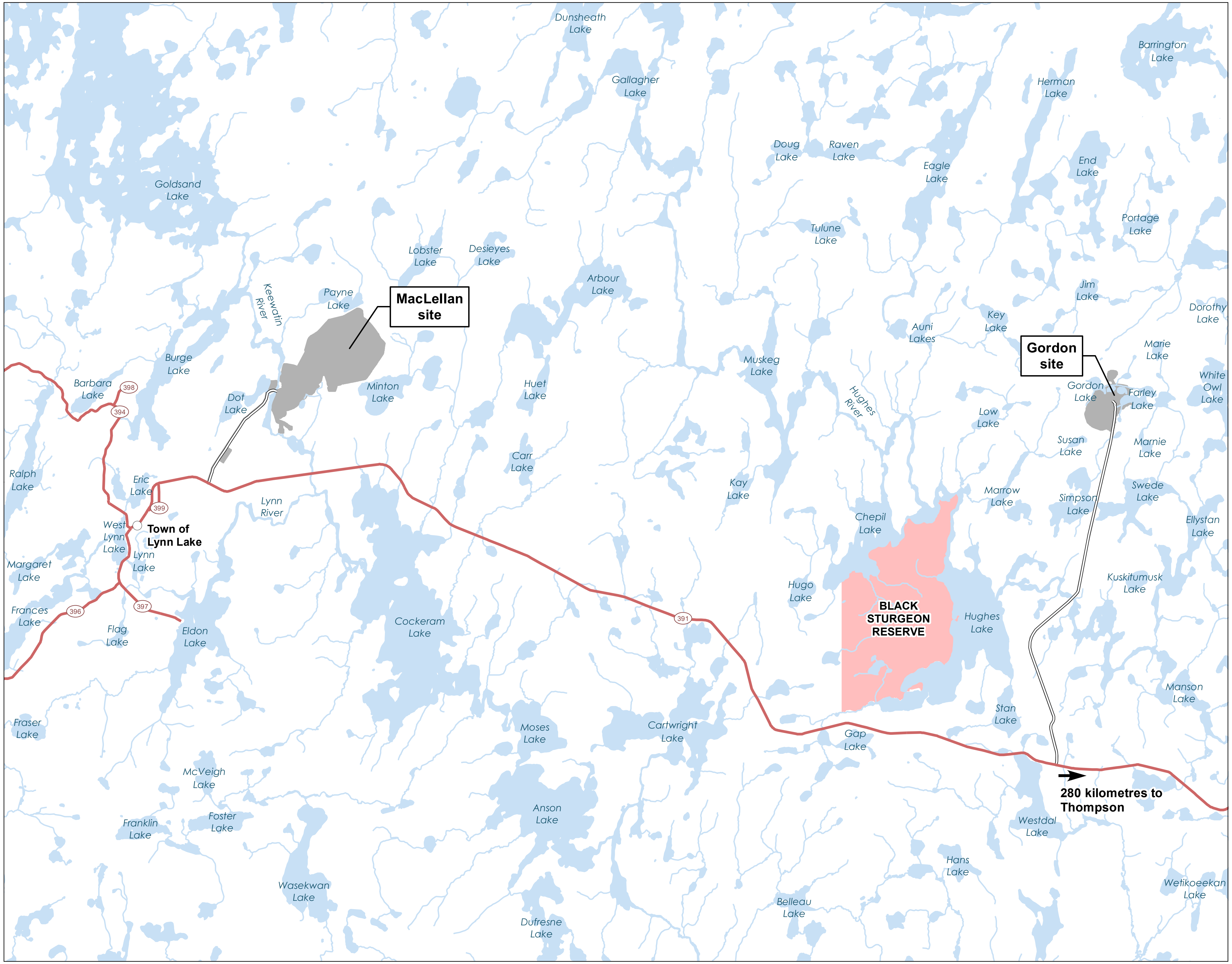
# Appendices

# Appendix A Map and Figures



Stantec

**Project Data**

▨ Project Development Area (PDA)

**Landbase**

═ Existing Access Road

━ Highway

─ Watercourse

▨ Waterbody

▨ First Nation Reserve

N

0 2.5 5 Kilometres

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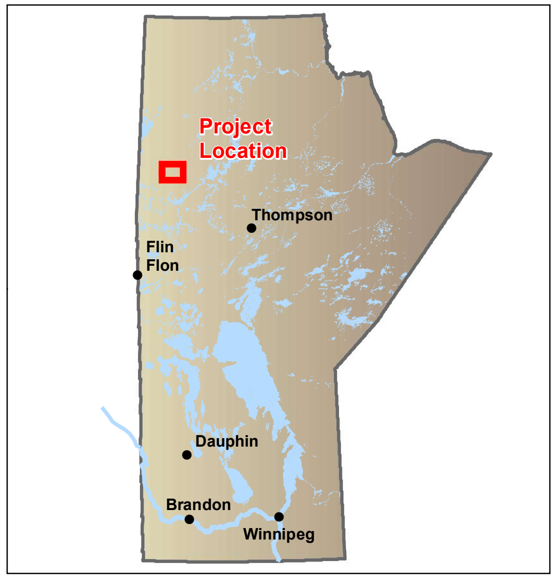
***Notes***

**1.** Coordinate System: NAD 1983 UTM Zone 14N

**2.** Base Data Sources: Government of Manitoba and Government of Canada



*Project Location*
Lynn Lake,
Manitoba

Prepared by ACampigotto on 2026-01-30
Technical Review by KMathers on 2026-01-30

*Client/Project* 123515740

ALAMOS GOLD INC.
Lynn Lake Gold Project

*Map No.*

1

*Title*

## General Project Area

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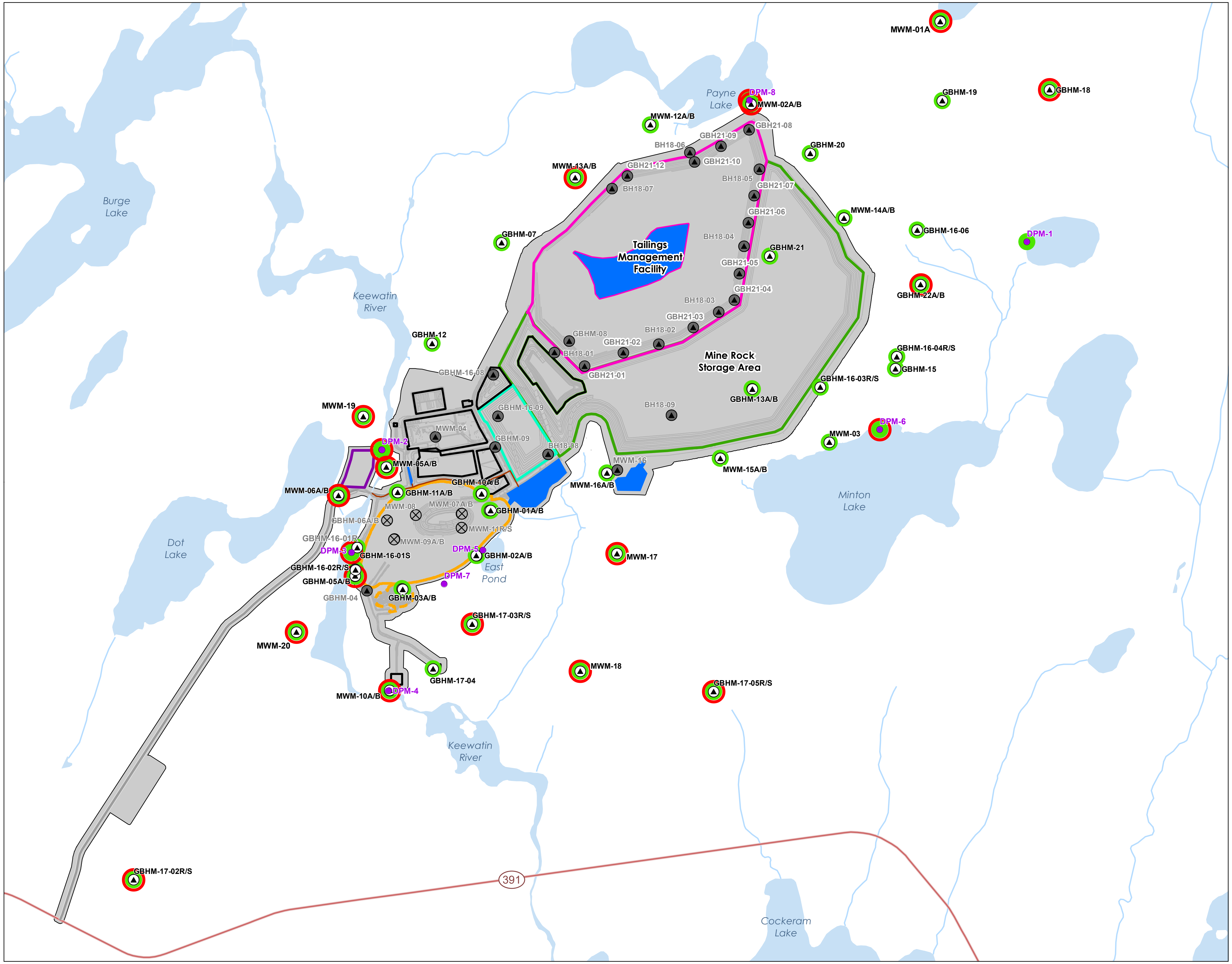

Stantec

**Monitoring Wells**

- ▲ Monitoring Well
- ⊗ Monitoring Well (Destroyed)
- ▲ Monitoring Well (Decommissioned)
- ● Drive-Point Piezometer
- ● Manual Level Sample
- ○ Level Logger Sample

**Project Infrastructure (NOA)**

- — Collection Pond Discharge
- ☐ Mine Rock Storage Area
- ☐ Overburden Stockpile
- ☐ Tailings Management Facility
- ☐ Open Pit
- ☐ Satellite Pit
- ■ Collection Pond/Sumps
- ☐ Other Infrastructure
- ☐ Construction Laydown Area
- ■ Project Development Area (PDA)

**Landbase**

- — Highway
- — Existing Access Road
- — Watercourse
- ■ Waterbody

N

0 0.5 1 Kilometres

(At original document size of 11x17)
1:32,500

***Notes***
**1.** Coordinate System: NAD 1983 UTM Zone 14N
**2.** Base Data Sources: Government of Manitoba and Government of Canada.

*Project Location*
Lynn Lake,
Manitoba

Prepared by ACampigotto on 2025-12-16
Technical Review by RBaker on 2025-12-16

*Client/Project*
111473084
ALAMOS GOLD INC.
Lynn Lake Gold Project

*Figure No.*
**A-1**

*Title*
**Groundwater Monitoring Program Summary (Water Quantity) - MacLellan site**

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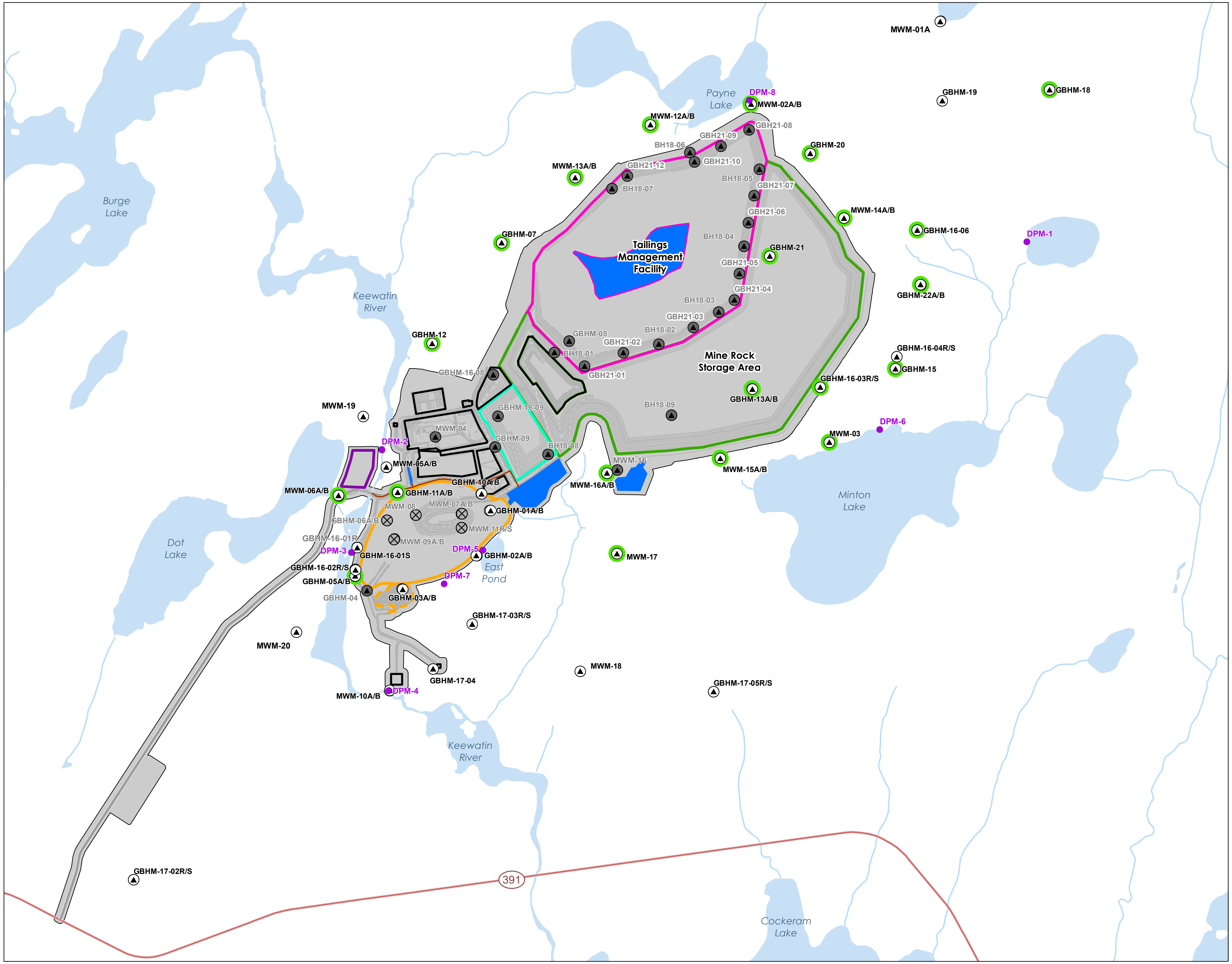

Stantec

**Monitoring Wells**

- ▲ Monitoring Well
- ⊗ Monitoring Well (Destroyed)
- ▲ Monitoring Well (Decommissioned)
- ● Drive-Point Piezometer
- ● Sampled in 2025

**Project Infrastructure (NOA)**

- Collection Pond Discharge
- 🟩 Mine Rock Storage Area
- ▭ Overburden Stockpile
- ▭ Tailings Management Facility
- 🟧 Open Pit
- ▭ Satellite Pit
- 🟦 Collection Pond/Sumps
- ▭ Other Infrastructure
- 🟪 Construction Laydown Area
- ▨ Project Development Area (PDA)

**Landbase**

- Highway
- Existing Access Road
- Watercourse
- Waterbody

N

0 0.5 1 Kilometres
(At original document size of 11x17)
1:32,500

***Notes***
1. Coordinate System: NAD 1983 UTM Zone 14N
2. Base Data Sources: Government of Manitoba and Government of Canada.

*Project Location*
Lynn Lake,
Manitoba

Prepared by ACampigotto on 2025-12-16
Technical Review by RBaker on 2025-12-16

*Client/Project*
111473084
ALAMOS GOLD INC.
Lynn Lake Gold Project

*Figure No.*
**A-2**

*Title*
**Groundwater Monitoring Program Summary (Water Quality) - MacLellan site**

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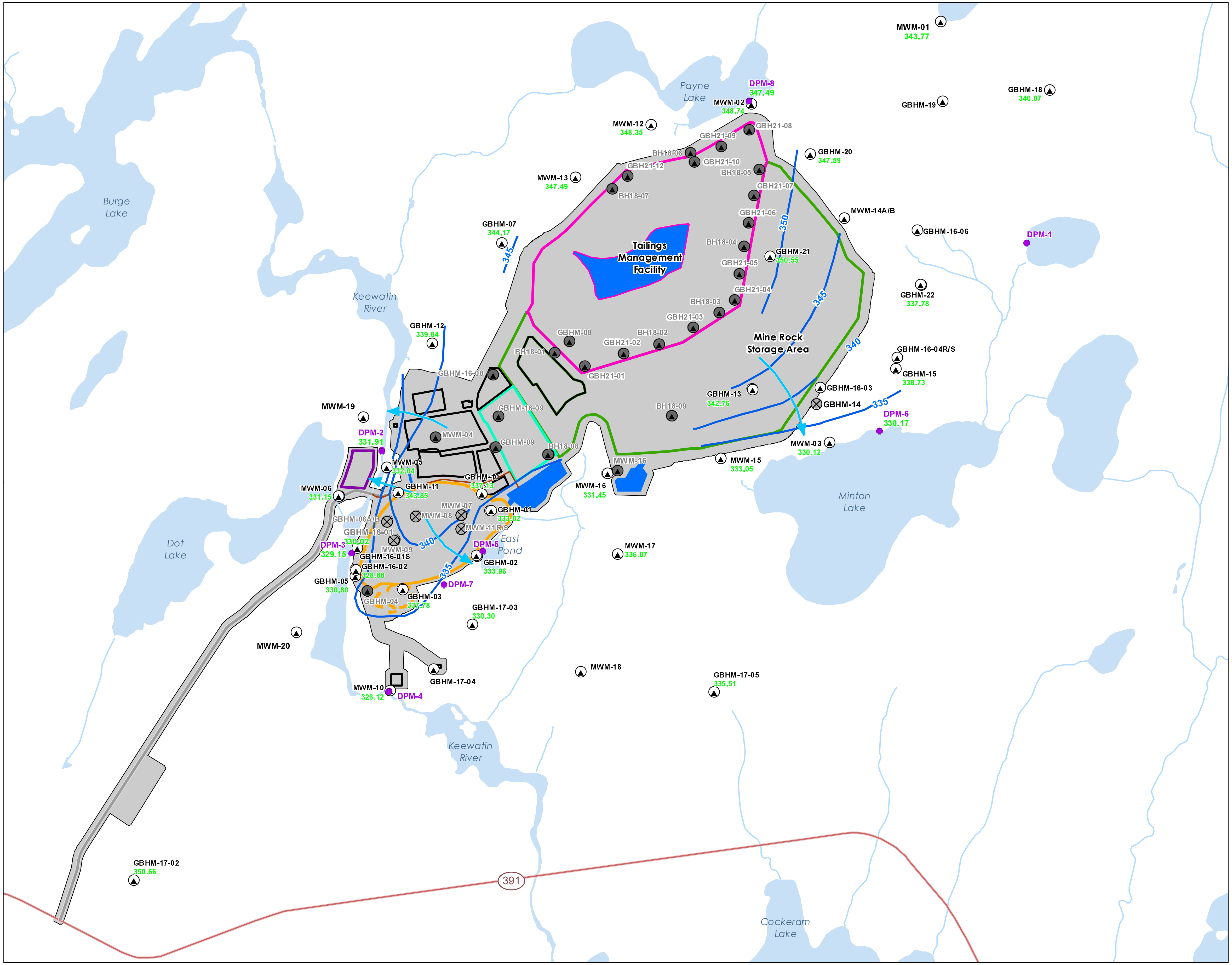

Stantec

**Monitoring Wells**

- △ Monitoring Well
- ⊗ Monitoring Well (Destroyed)
- ▲ Monitoring Well (Decommissioned)
- ● Drive-Point Piezometer
- 340.04 2025 Groundwater Elevation (mAMSL)
- — Interpreted Groundwater Contour from October 2025 Water Levels (mAMSL)
- → Groundwater Flow Direction

**Project Infrastructure (NOA)**

- — Collection Pond Discharge
- ☐ Mine Rock Storage Area
- ☐ Overburden Stockpile
- ☐ Tailings Management Facility
- ☐ Open Pit
- ☐ Satellite Pit
- ■ Collection Pond/Sumps
- ☐ Other Infrastructure
- ☐ Construction Laydown Area
- ■ Project Development Area (PDA)

**Landbase**

- — Highway
- — Existing Access Road
- — Watercourse
- ■ Waterbody

N

0 0.5 1 Kilometres

(At original document size of 11x17)
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***Notes***

**1.** Coordinate System: NAD 1983 UTM Zone 14N

**2.** Base Data Sources: Government of Manitoba, Government of Canada, Stantec.

*Project Location*

Lynn Lake,
Manitoba

Prepared by JHiebert on 2026-02-18
Technical Review by RBaker on 2026-02-18

*Client/Project*

123515740

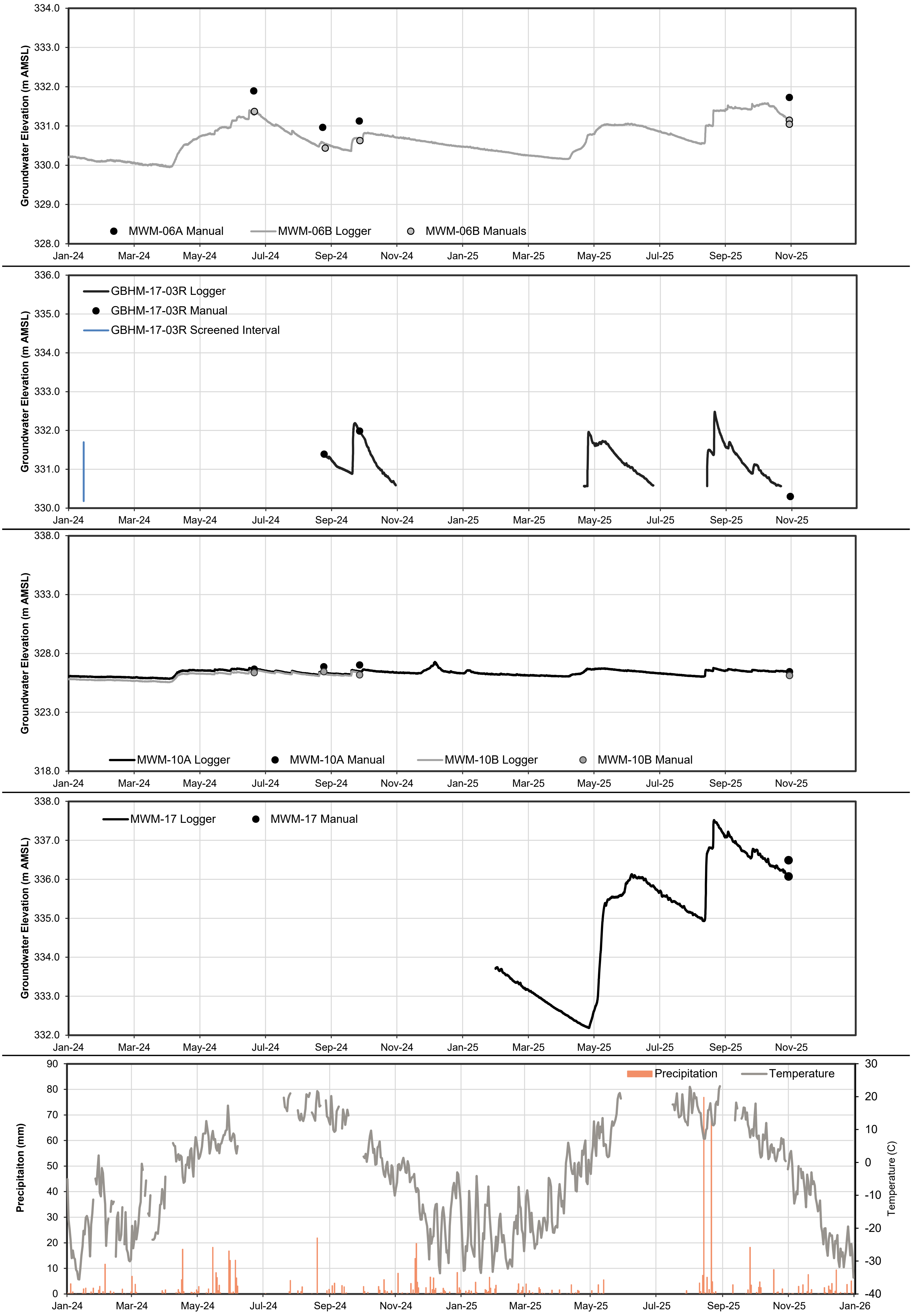
ALAMOS GOLD INC.
Lynn Lake Gold Project

*Map No.*

3

*Title*

**Groundwater Contours – MacLellan site**



***Notes:*** No pressure transducer installed in MWM-06A.
MWM-10B pressure transducer failed between September 2024 and October 2025.
MWM-17 installed in January 2025.

*Client/Project*

Lynn Lake Gold Project (LLGP)
2025 Annual Groundwater Monitoring Report

*Figure No.*

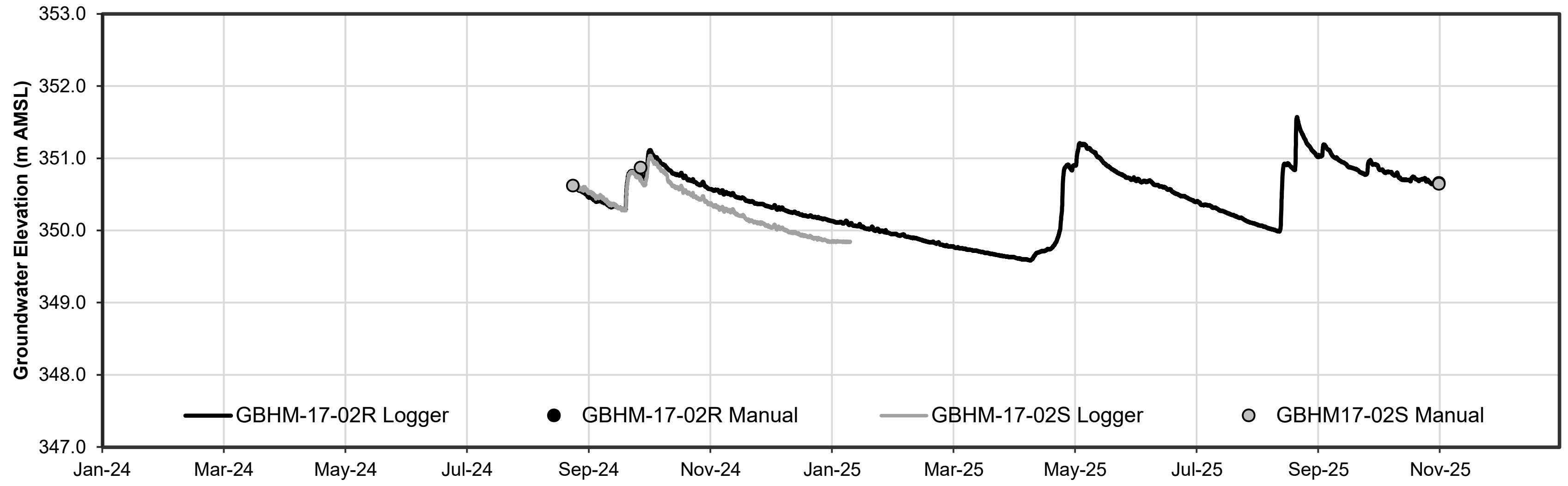
**A-4**

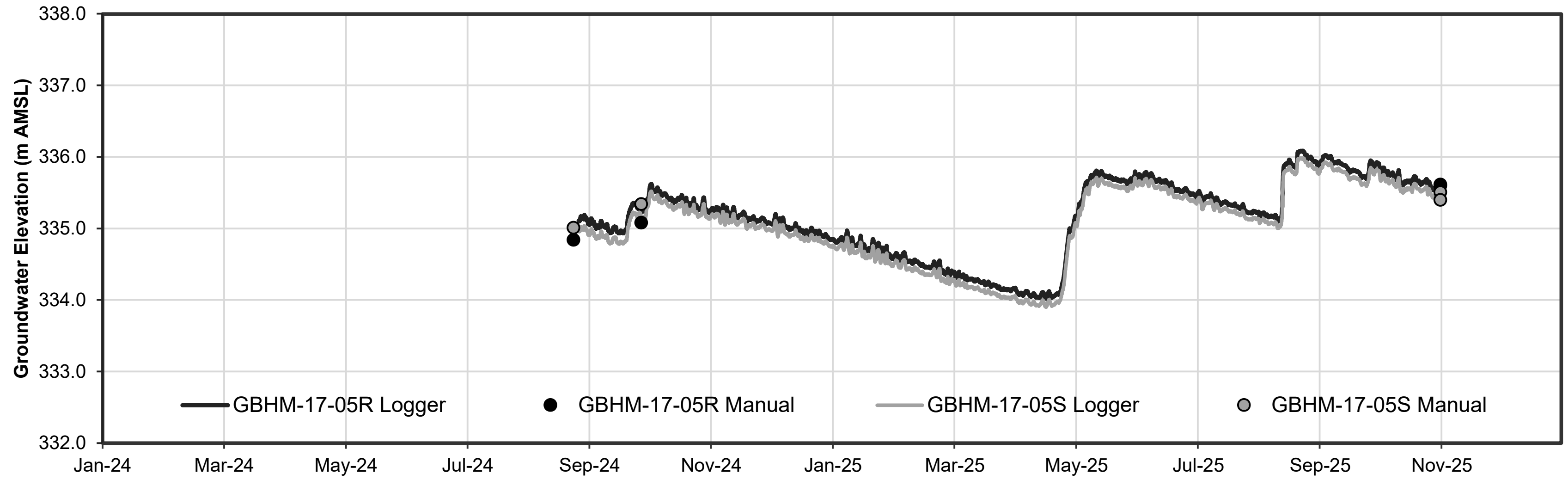
*Title*

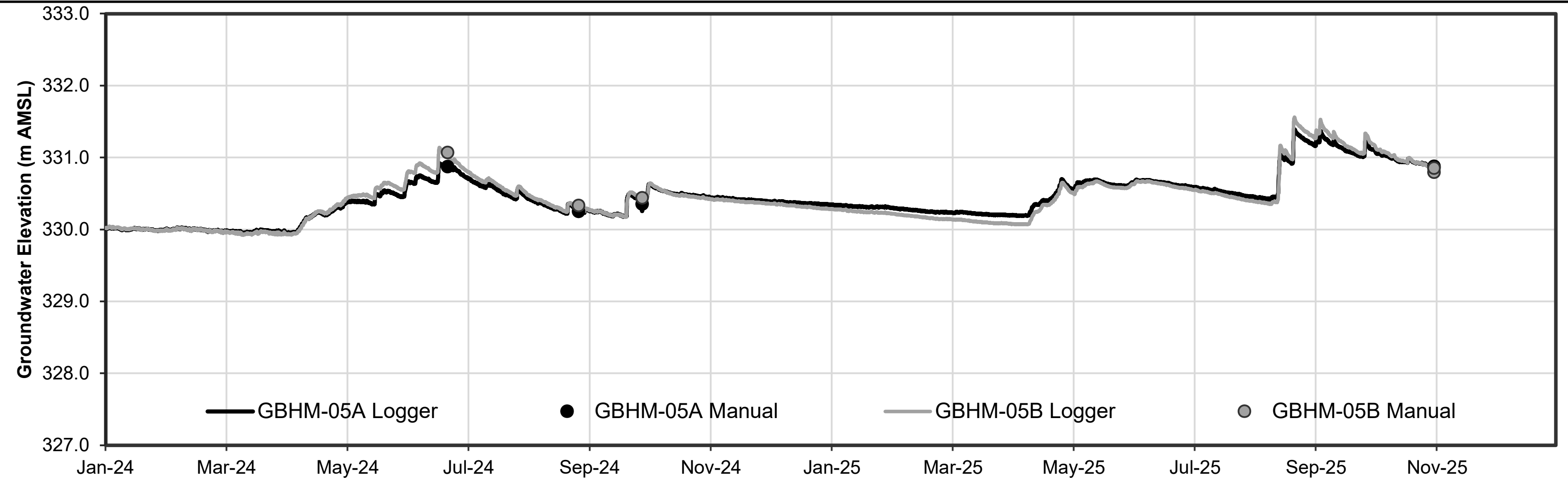
**Groundwater Quantity Trigger Threshold Monitoring Location Hydrograph**

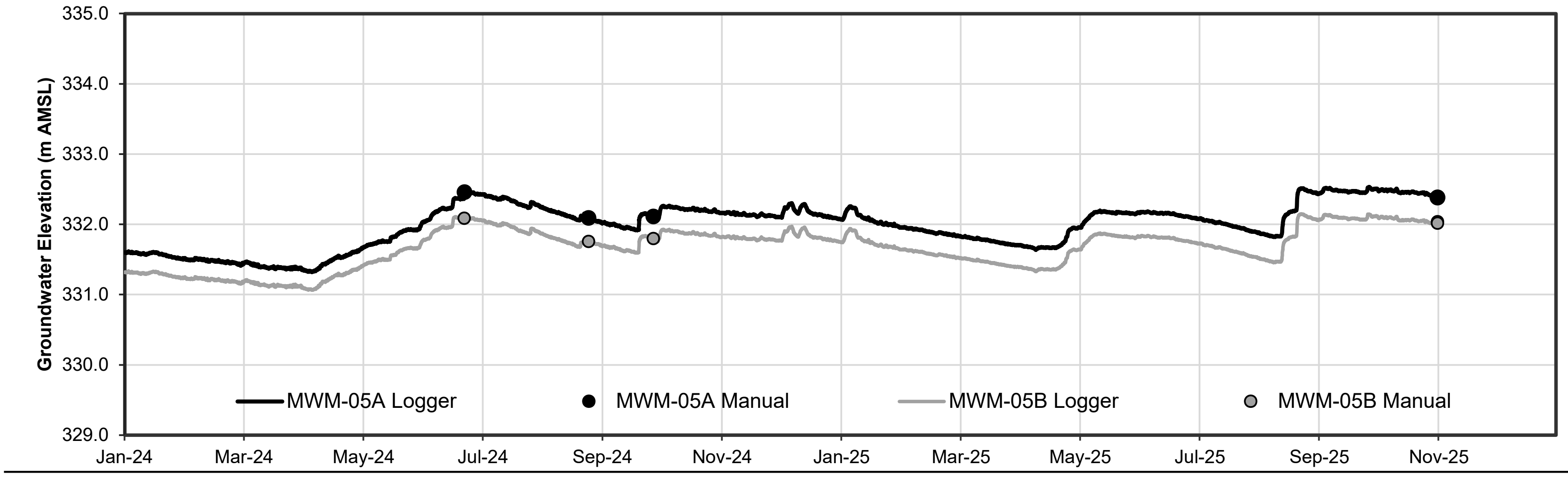
**MacLellan Site**

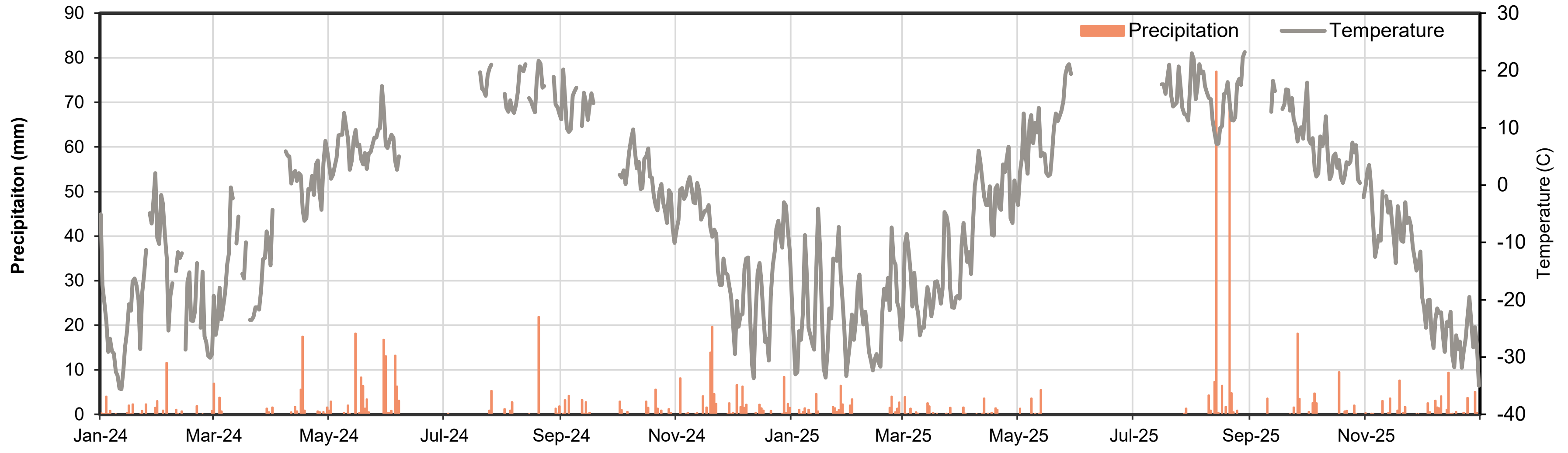
\\CA0045-PPFSS01\shared_projects\111473084\03_disciplines\hydrogeology\field\loggers\corrected\2025_annual_report\Figure A-4_MacLellan TT_Hydrographs NEW TEMPLATEs_20260115.xlsm











***Notes:*** GBHM-17-02S pressure transducer failure between January and November 2025.

*Client/Project*

Lynn Lake Gold Project (LLGP)
2025 Annual Groundwater Monitoring Report

*Figure No.*

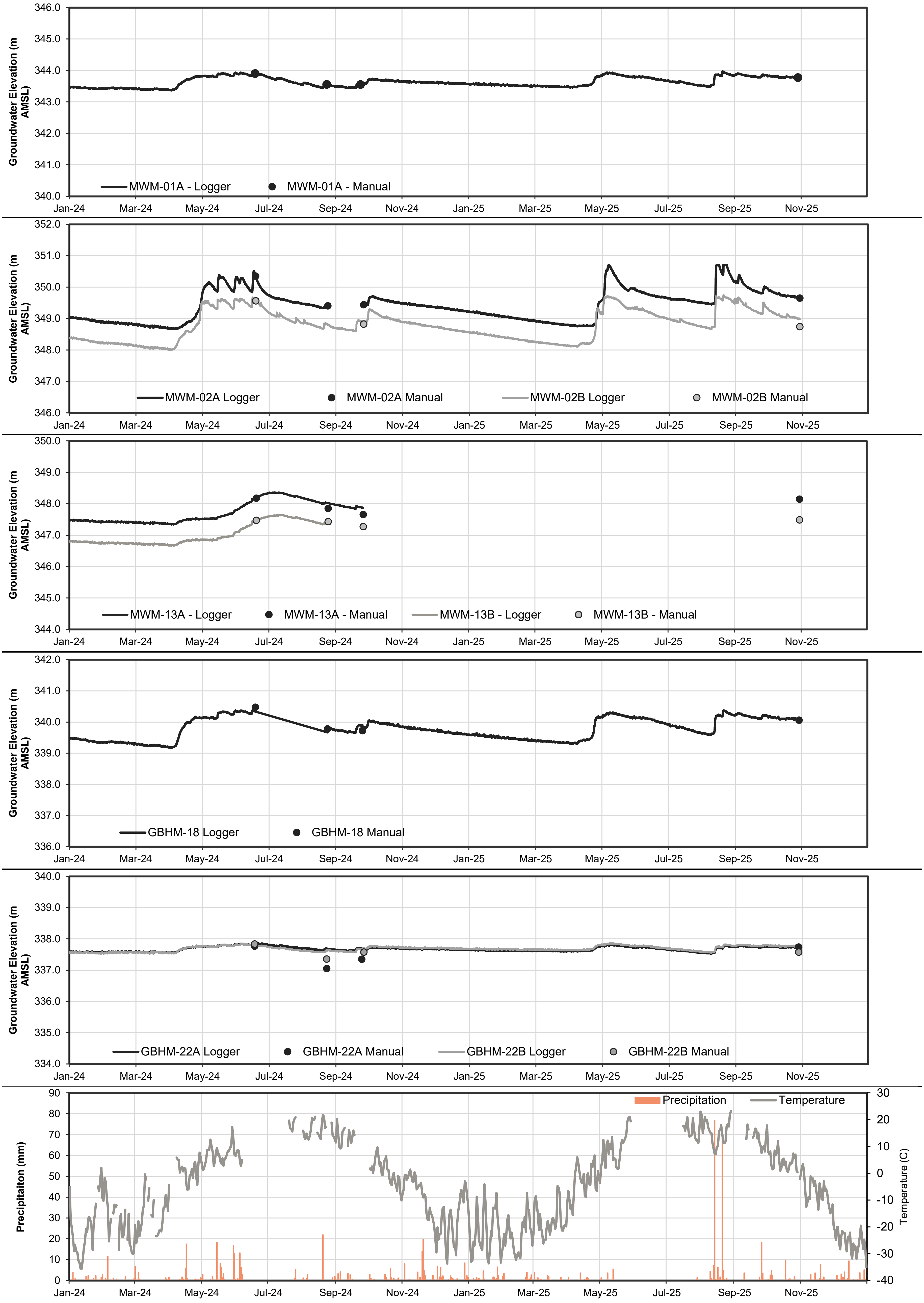
**A-5**

*Title*

**Groundwater Quantity Monitoring Locations**
**West of Proposed Open Pit**
**MacLellan Site**

Stantec

\\CA0045-PPFSS01\shared_projects\111473084\03_disciplines\hydrogeology\field\loggers\corrected\2025_annual_report\Figure A-5_MacLellan_Hydrographs NEW TEMPLATEs_20260115.xlsm



***Notes:*** MWM-13A and MWM-13B pressure transducer frozen in wells during fall 2025 event.

*Client/Project*

Lynn Lake Gold Project (LLGP)
2025 Annual Groundwater Monitoring Report

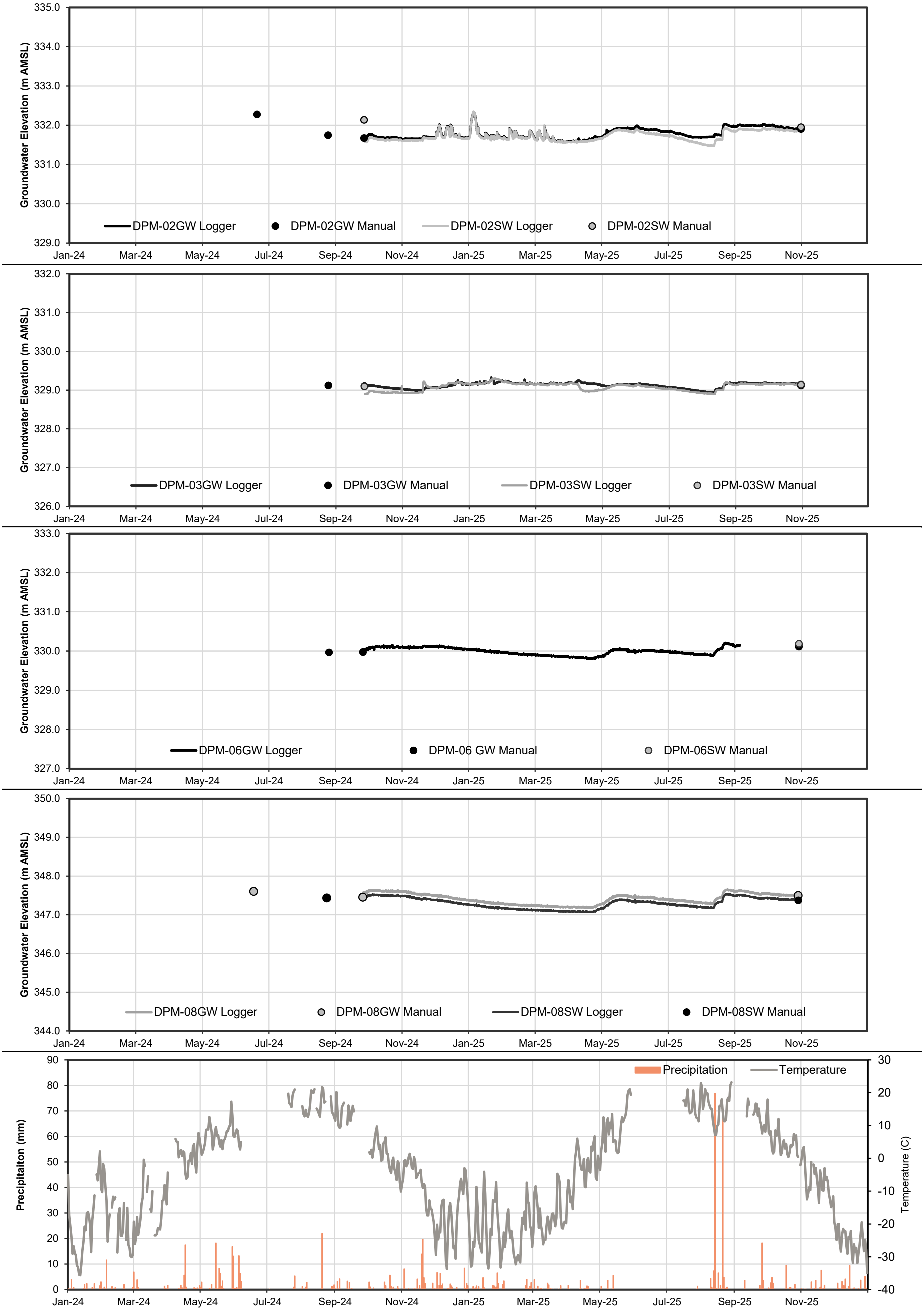
*Figure No.*

**A-6**

*Title*

**Groundwater Quantity Monitoring Locations**
**North of Proposed Open Pit**
**MacLellan Site**

Stantec



***Notes:*** DPM-06SW pressure transducer failed. No data available between September 2024 and October 2025.

*Client/Project*

Lynn Lake Gold Project (LLGP)
2025 Annual Groundwater Monitoring Report

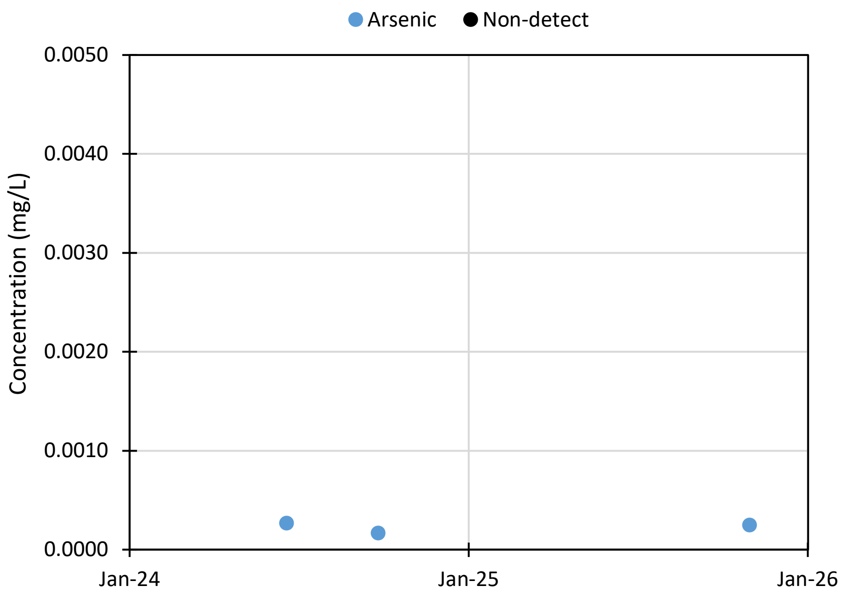
*Figure No.*

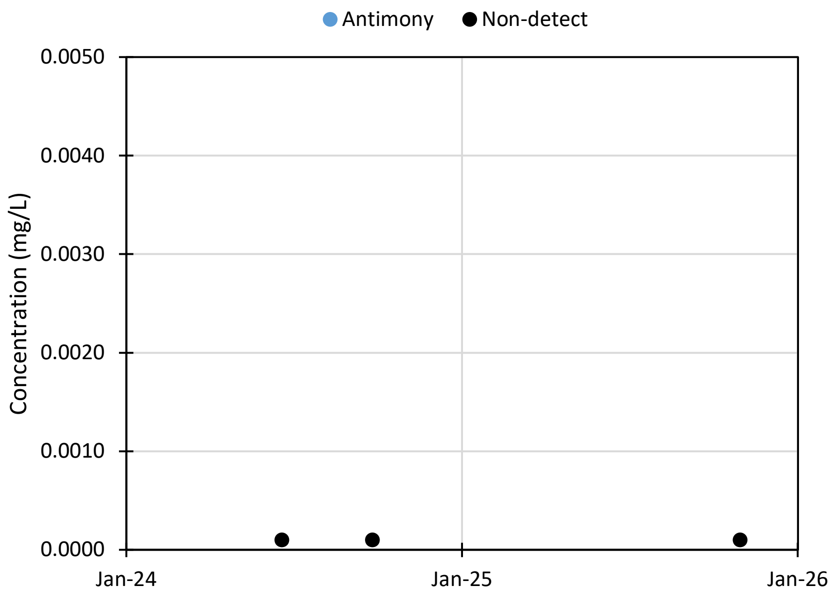
**A-7**

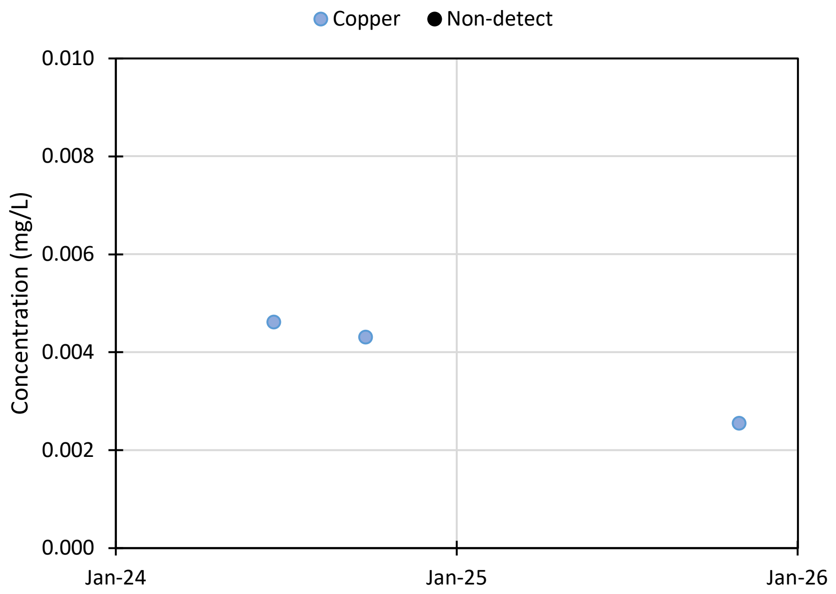
*Title*

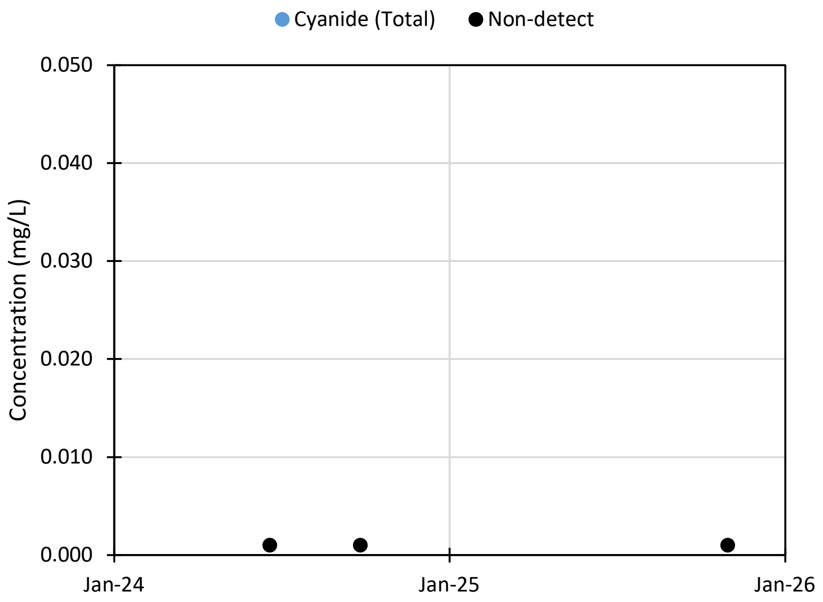
**Groundwater Quantity Monitoring Locations**
**Drive-Point Piezometers**

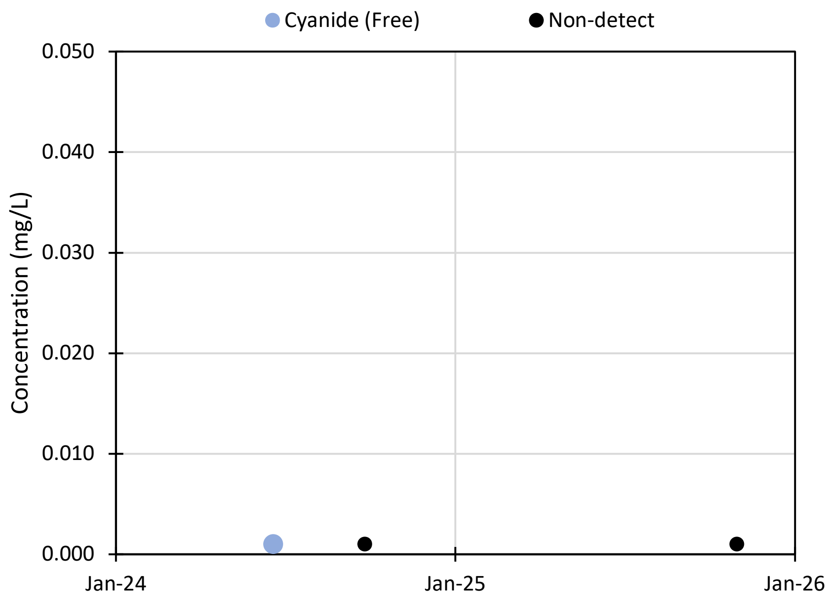
**MacLellan Site**

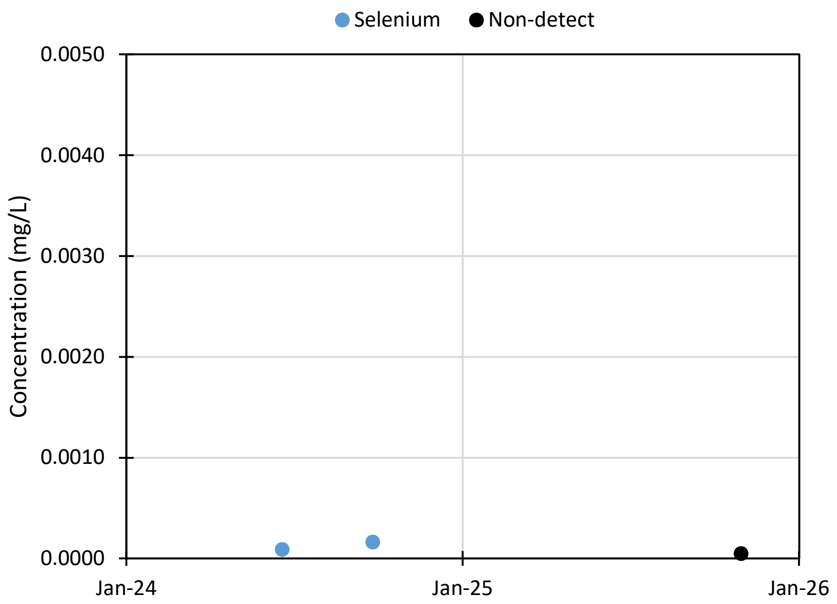


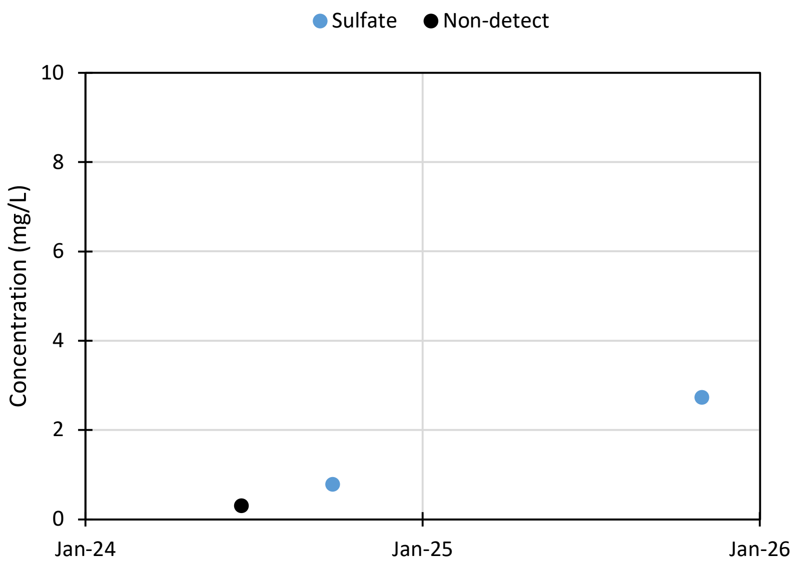












Notes:

*Client/Project*

Annual Reporting
GMMP
LLGP

*Figure No.*

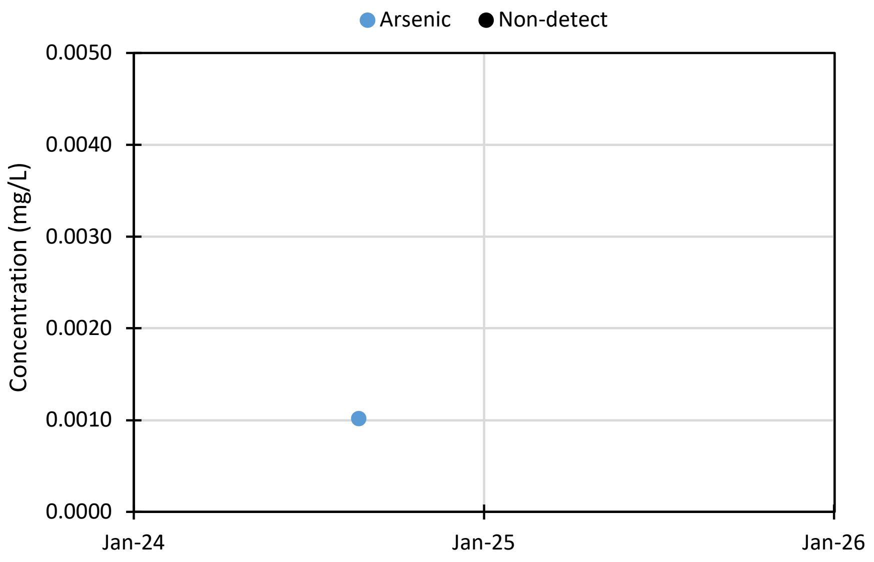
**A-8**

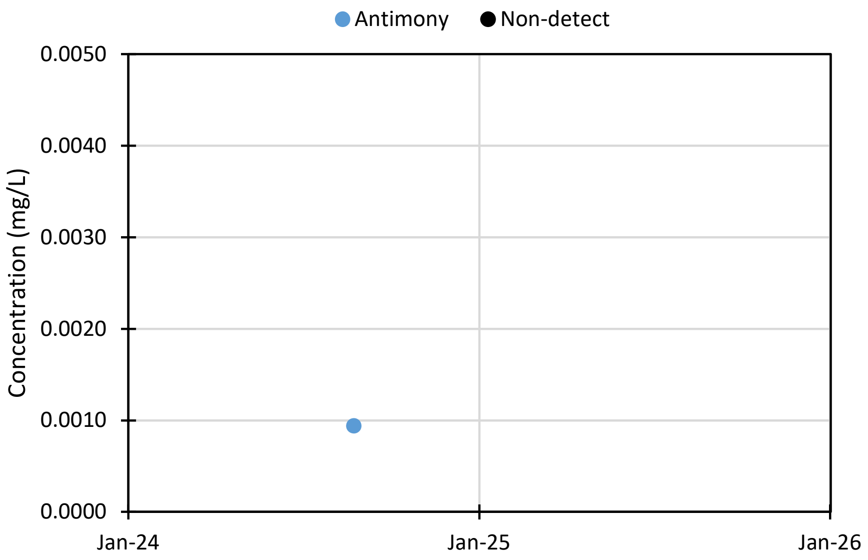
*Title*

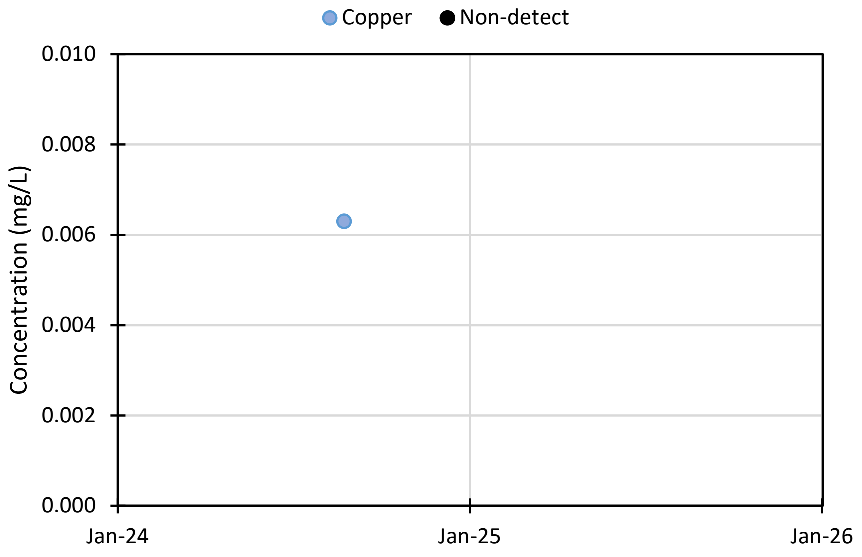
**Groundwater Quality - GBHM-20**

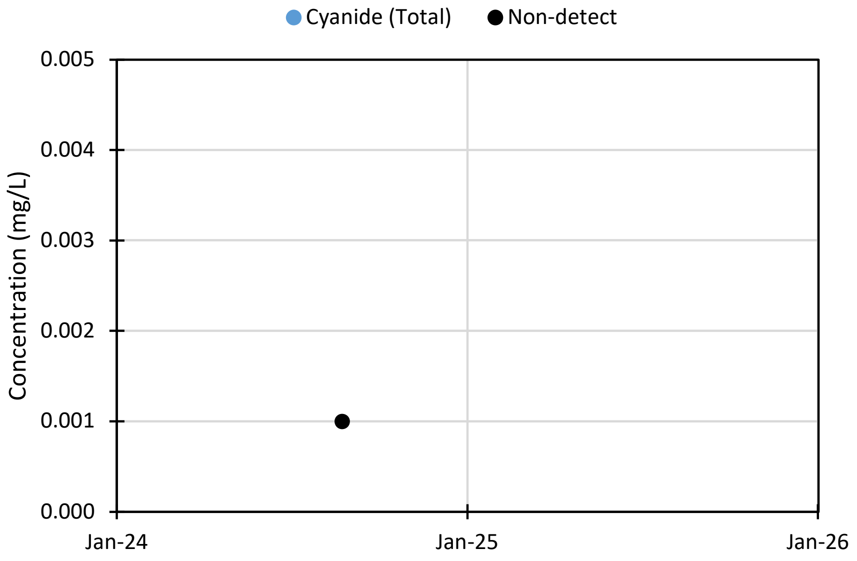
Stantec

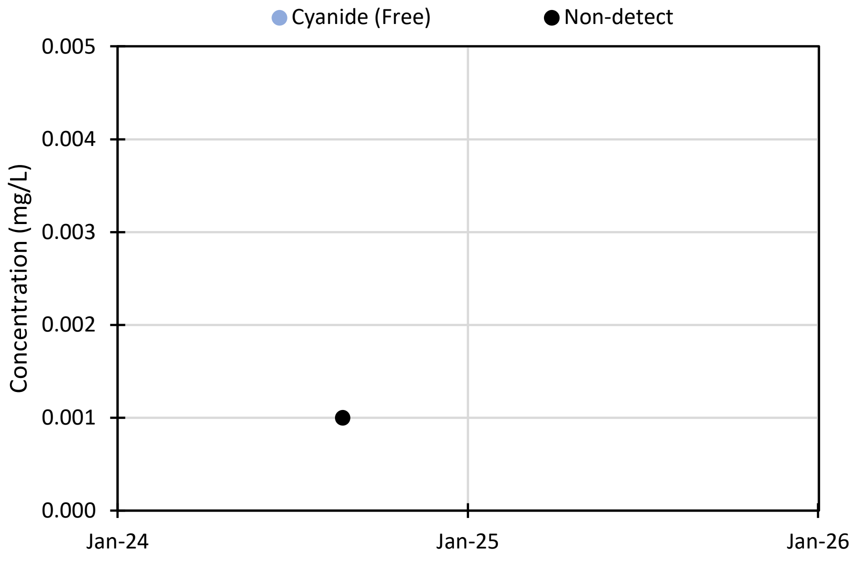
\\ca0045-ppfss01\shared_projects\111473084\09_management_monitoring_plans\12_GMMP-Groundwater Monitoring Plan\2025 Annual GMMP Report\App_A_Figures\Figure A-8 Hydrograph GBHM-20.xlsx

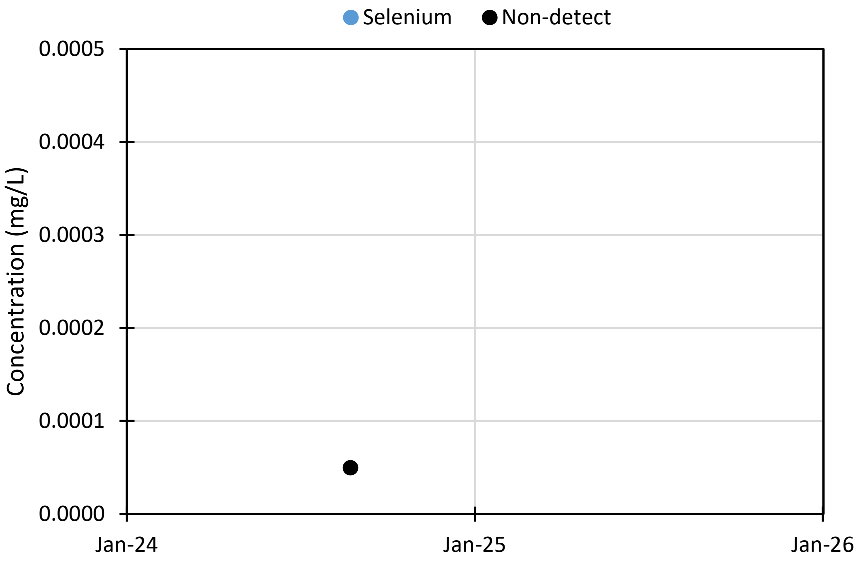


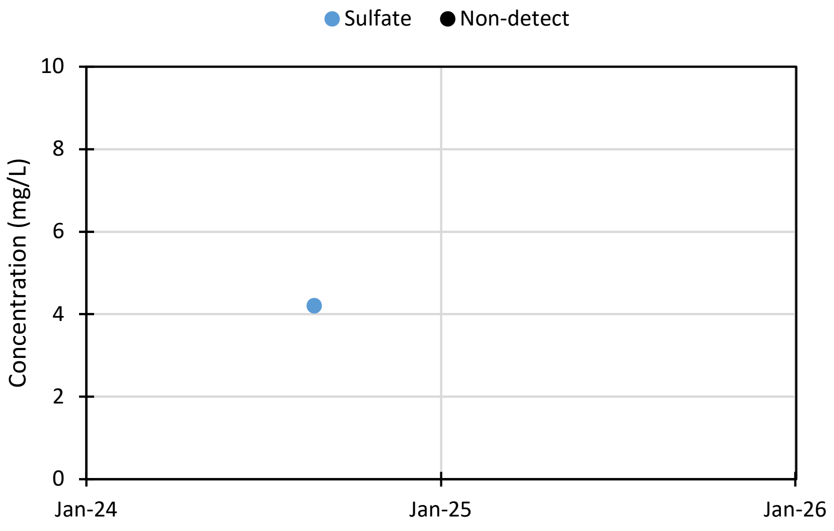










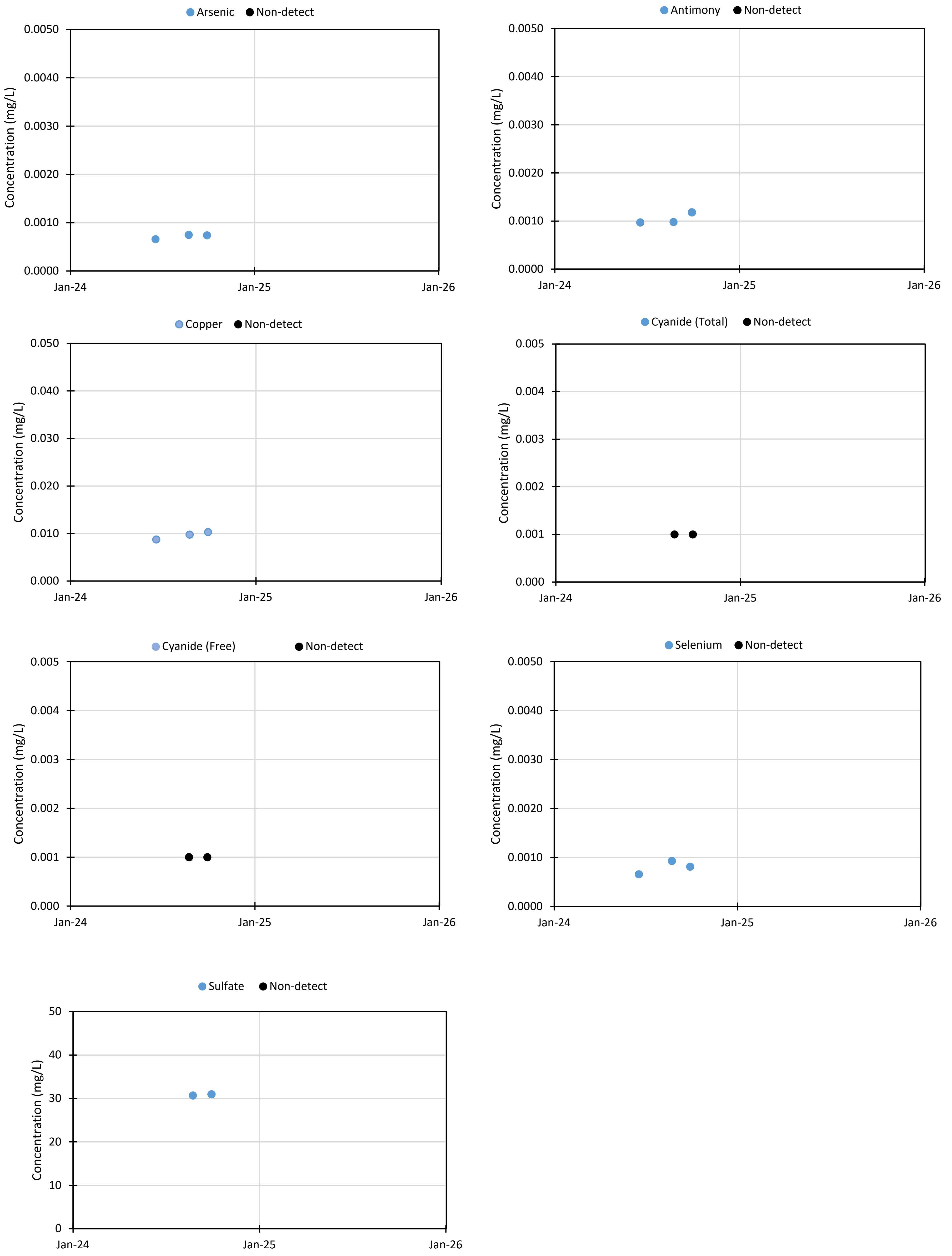


Notes:

*Client/Project*
Annual Reporting
GMMP
LLGP

*Figure No.*
**A-9**

*Title*
**Groundwater Quality - GBHM-16-03R**



Notes:

*Client/Project*

Annual Reporting
GMMP
LLGP

*Figure No.*

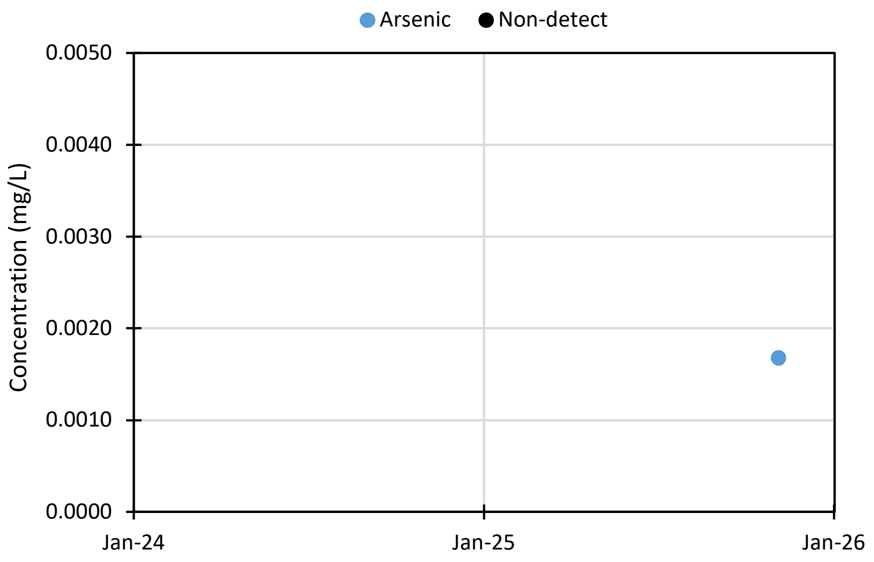
**A-10**

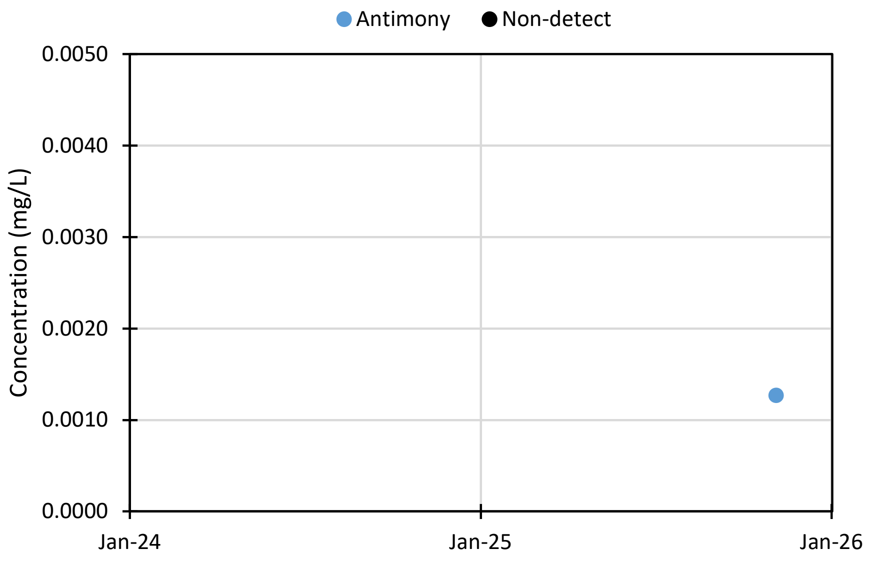
*Title*

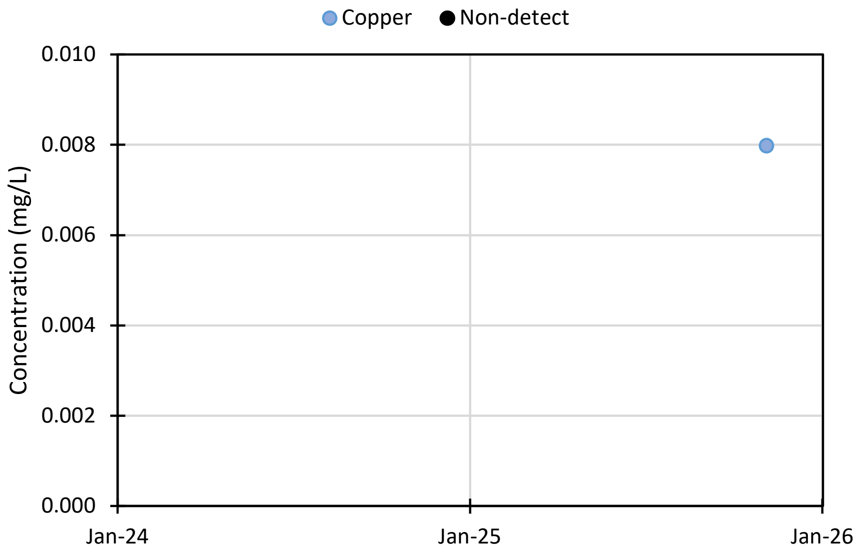
**Groundwater Quality - GBHM-16-03S**

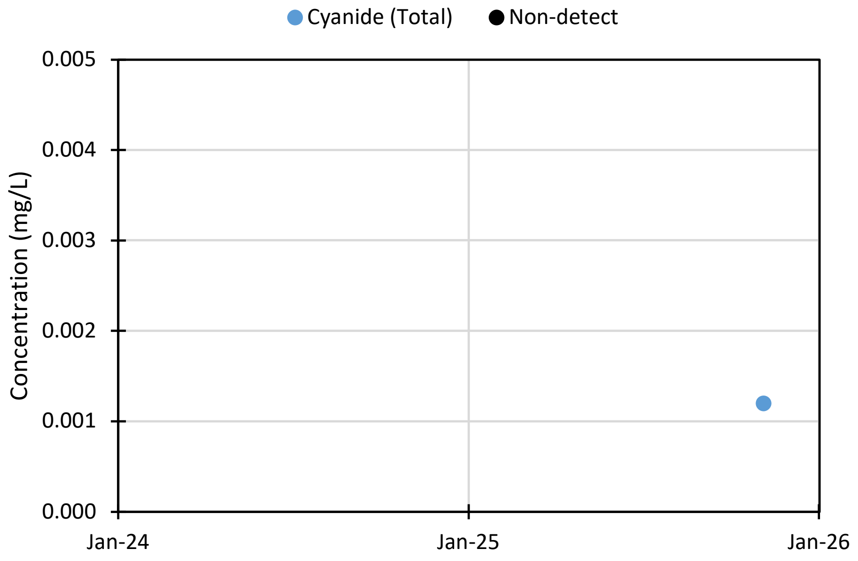
Stantec

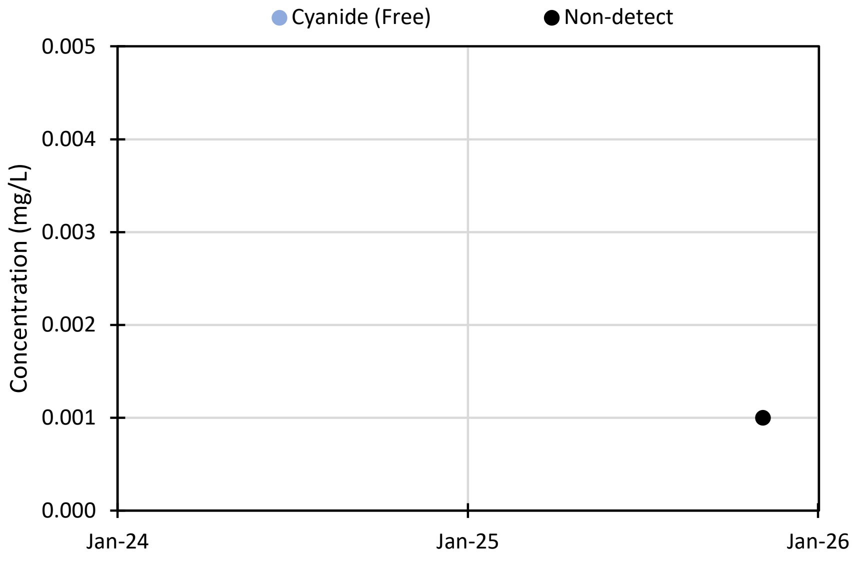
\\ca0045-ppfss01\shared_projects\111473084\09_management_monitoring_plans\12_GMMP-Groundwater Monitoring Plan\2025 Annual GMMP Report\App_A_Figures\Figure A-9-10 Hydrograph GBHM-16-03.xlsx

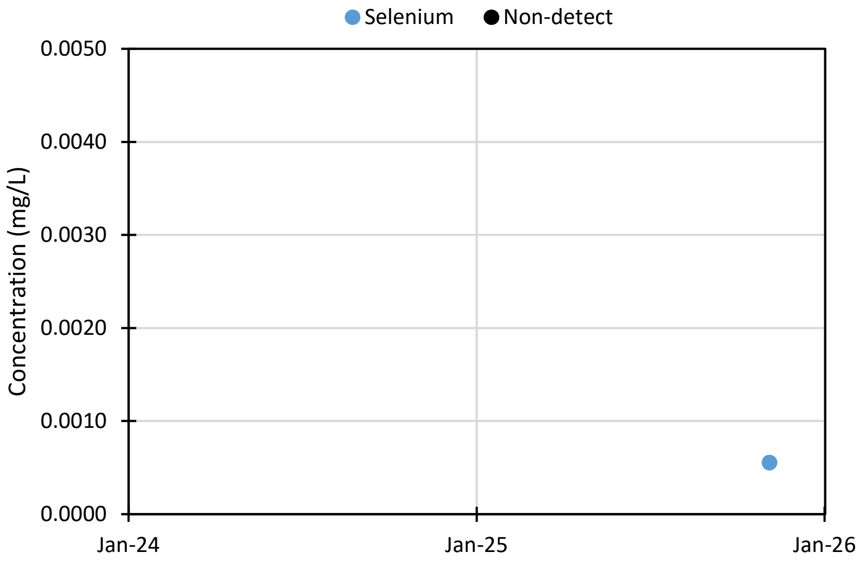


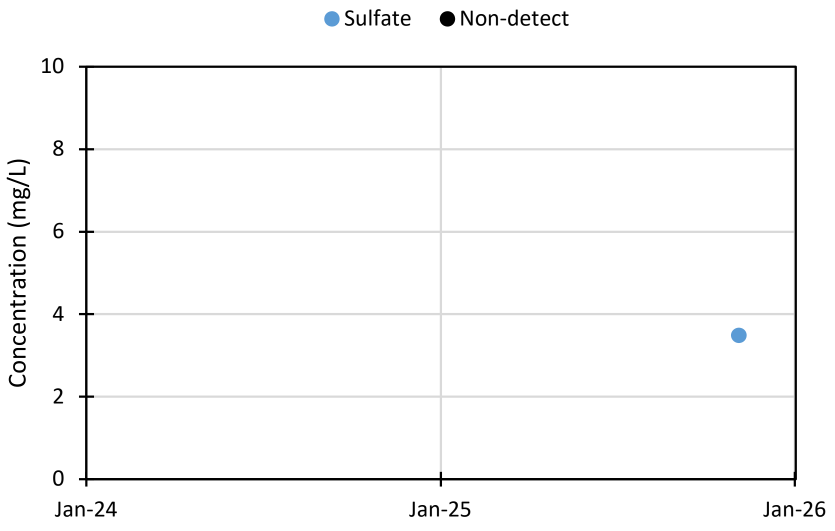












Notes:

*Client/Project*
Annual Reporting
GMMP
LLGP

*Figure No.*
**A-11**

*Title*
**Groundwater Quality - MWM-14A**

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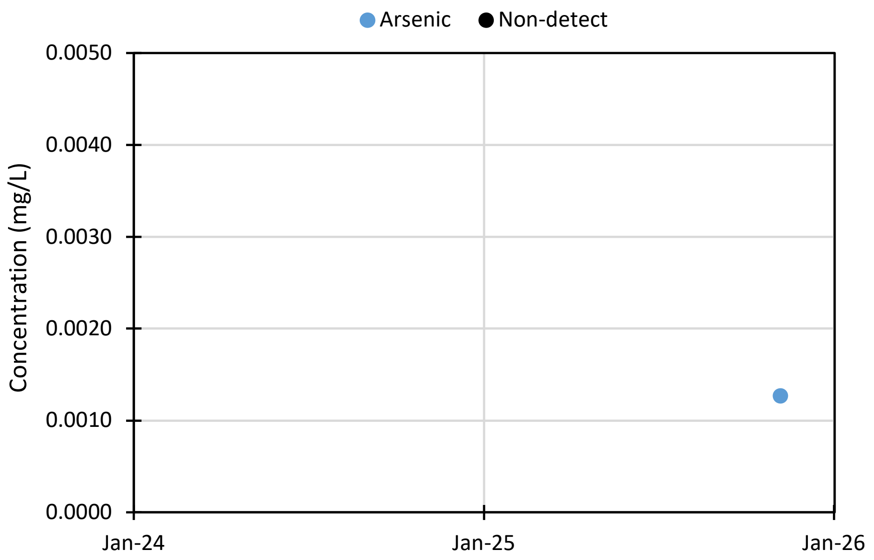

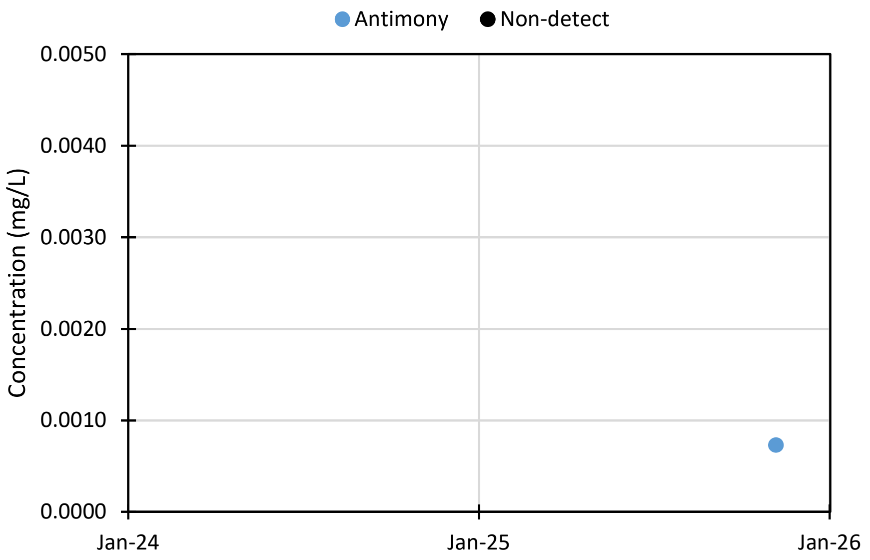

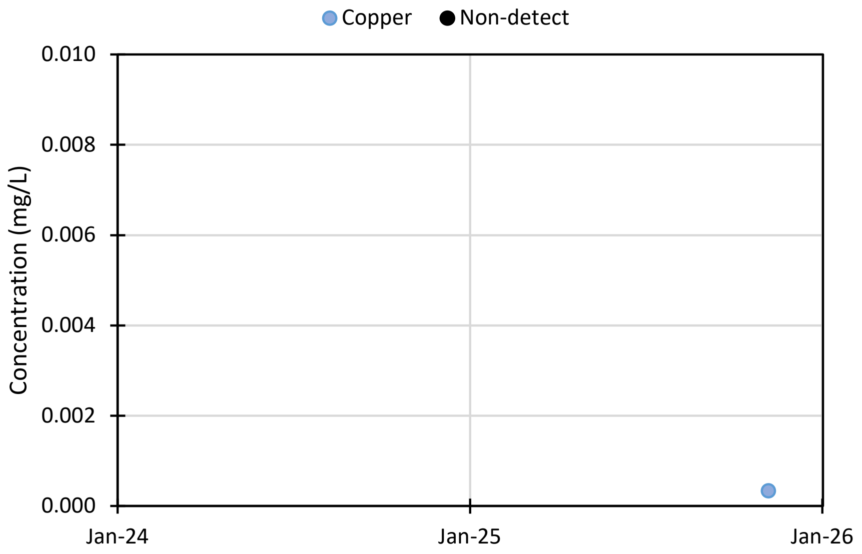

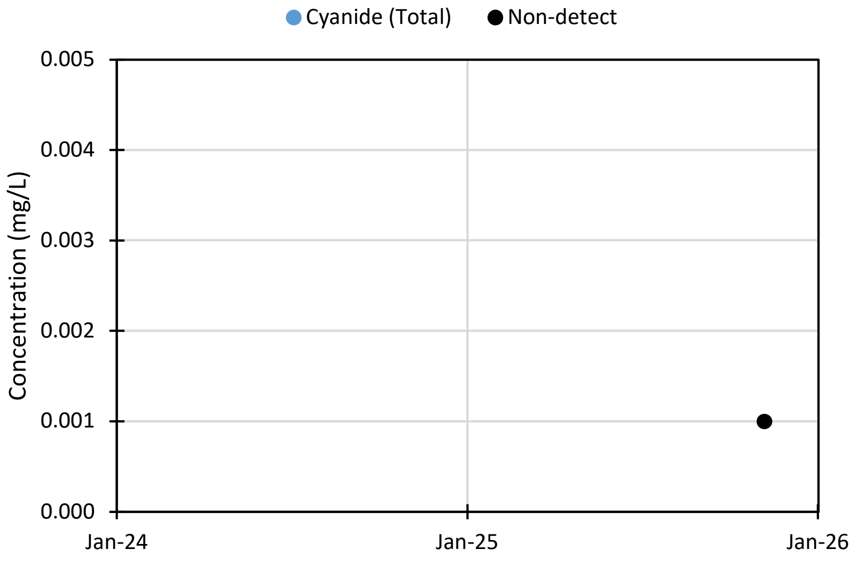

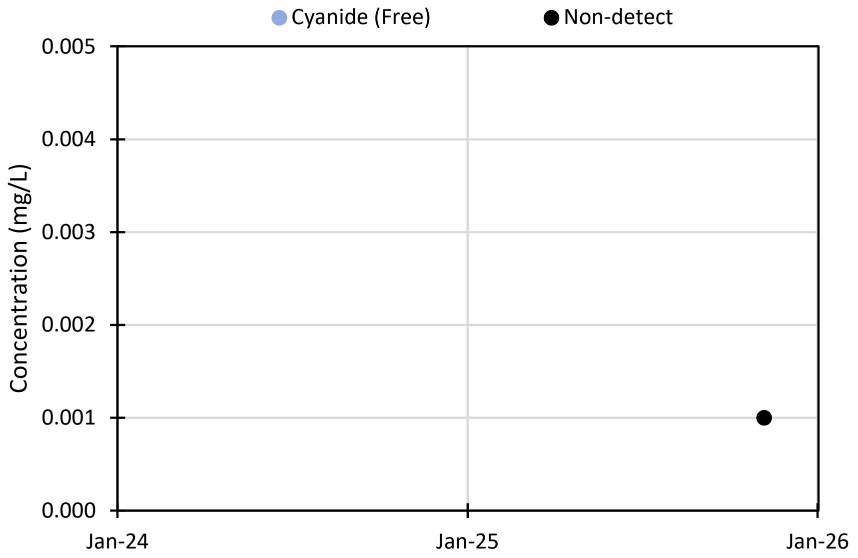

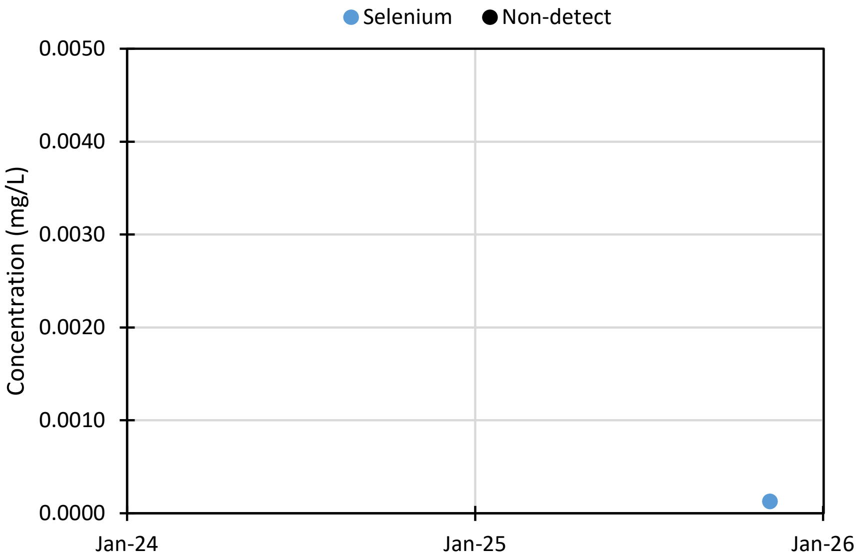

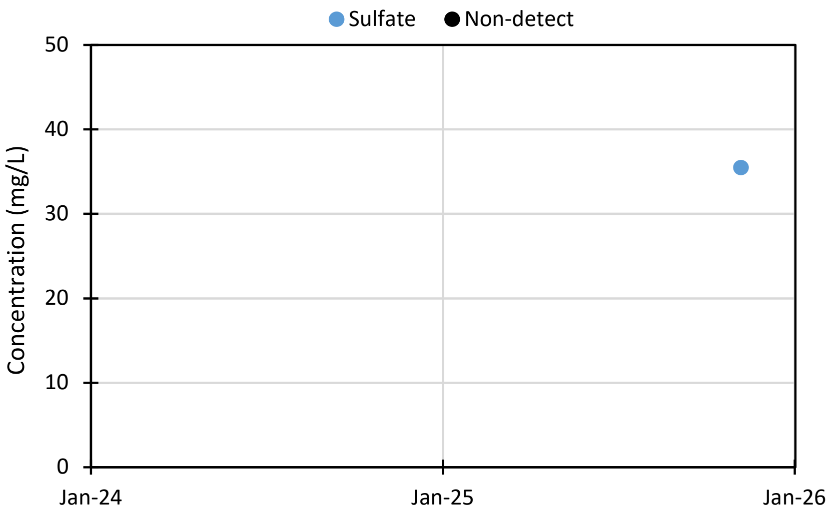

Notes:

*Client/Project*
Annual Reporting
GMMP
LLGP

*Figure No.*
**A-12**

*Title*
**Groundwater Quality - MWM-15A**

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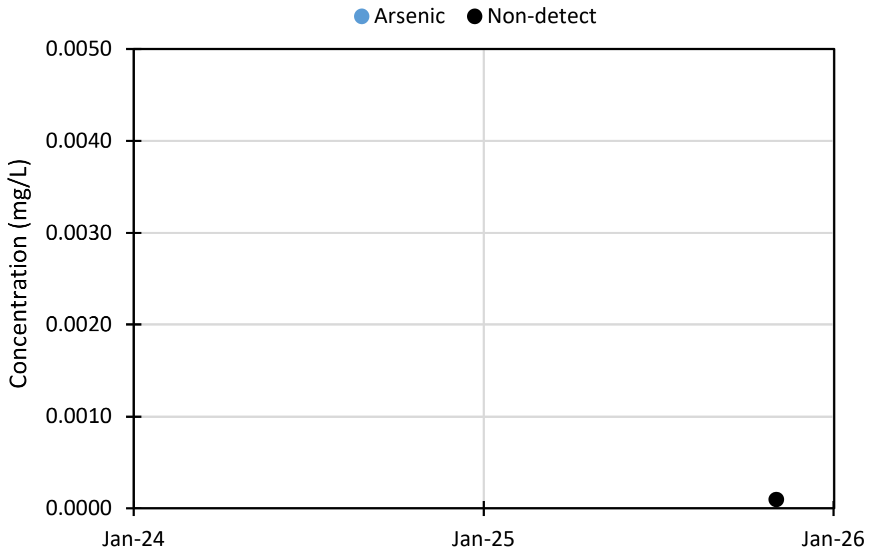
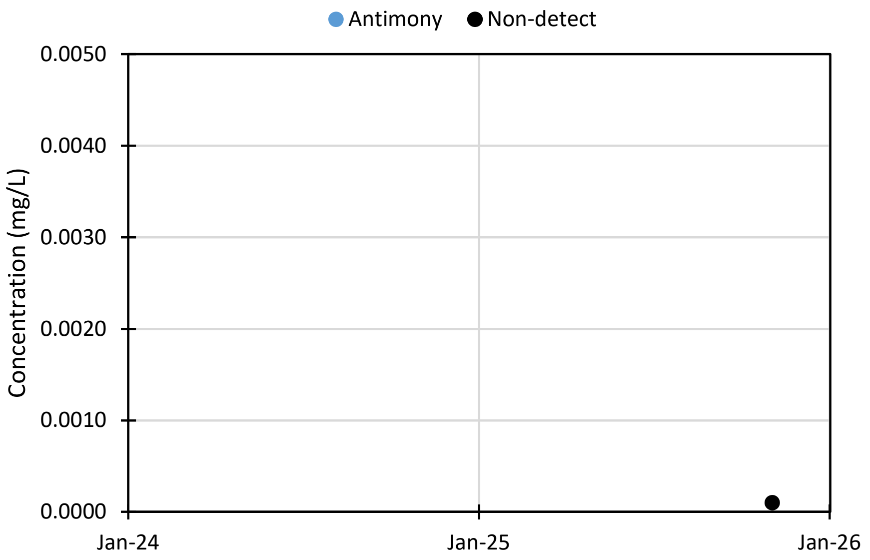
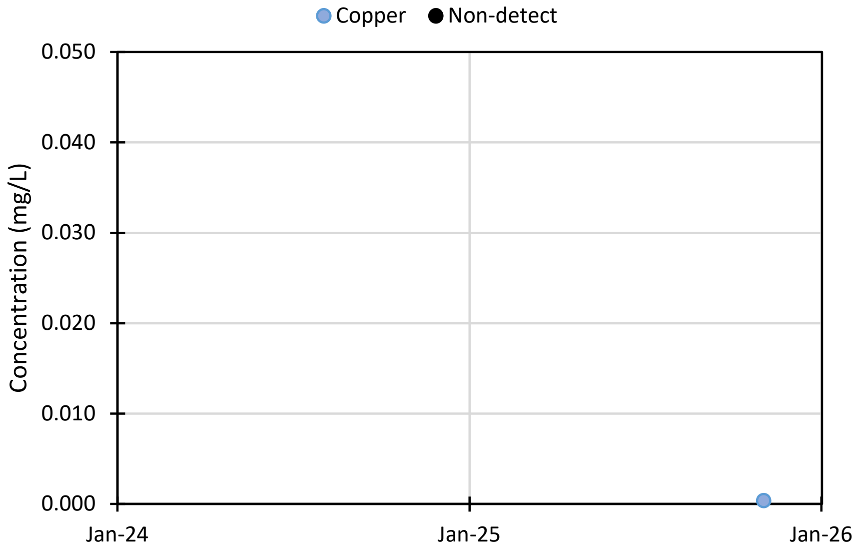
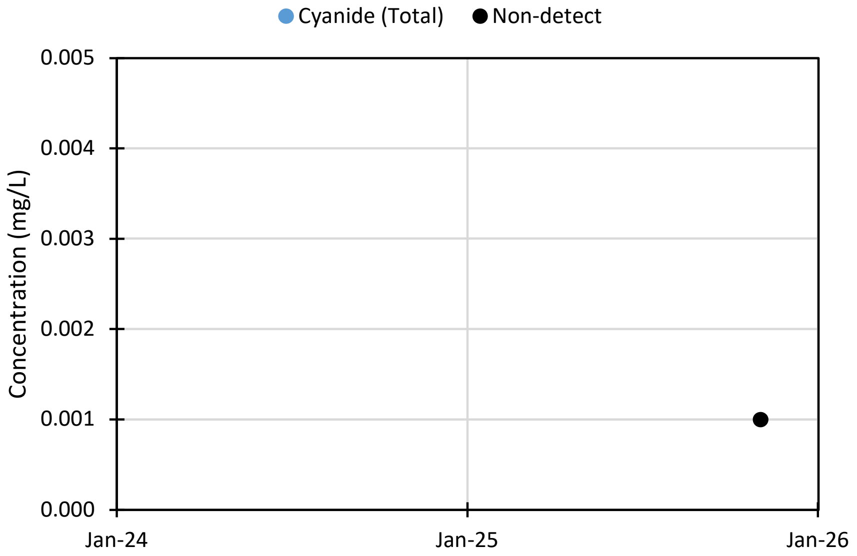
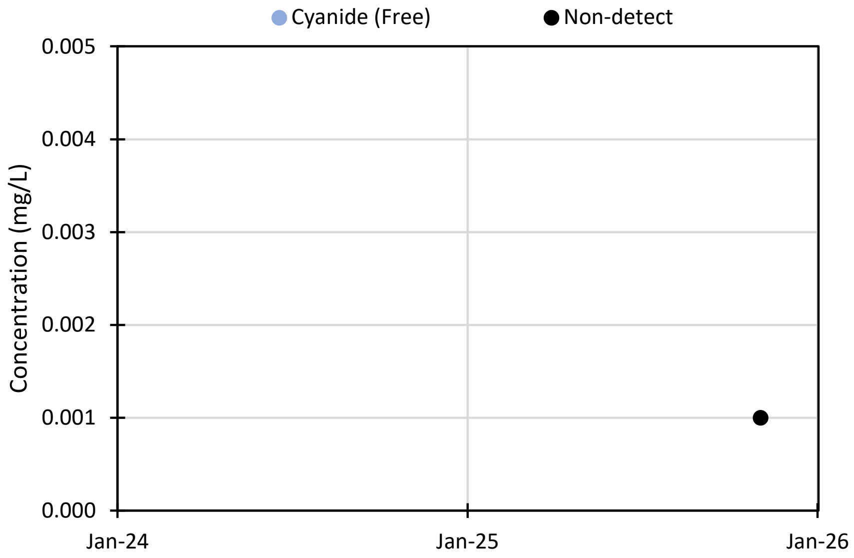
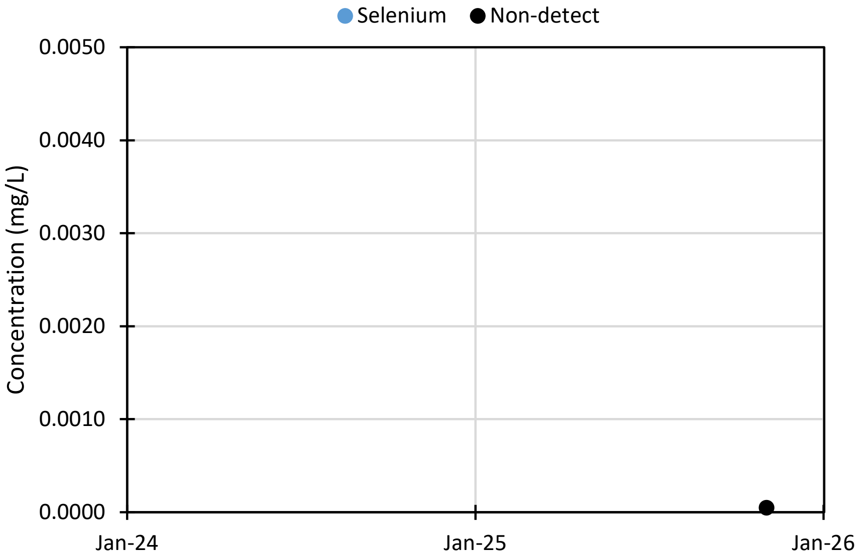


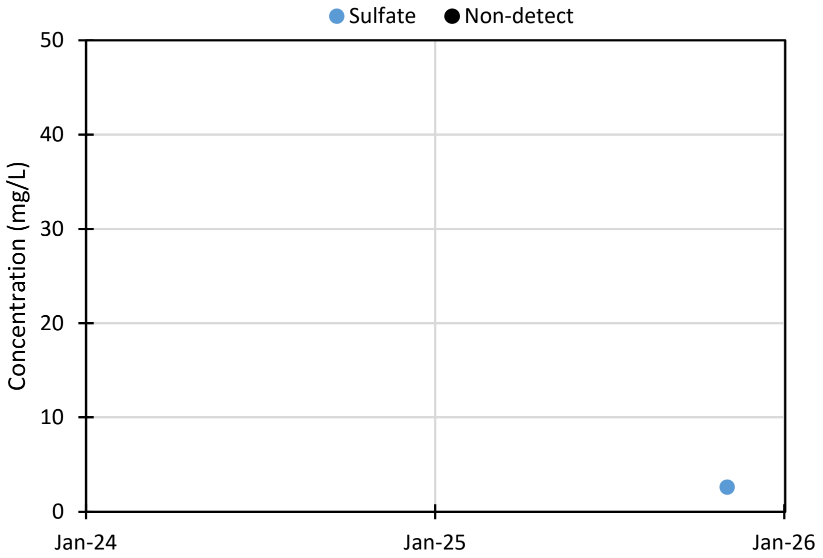












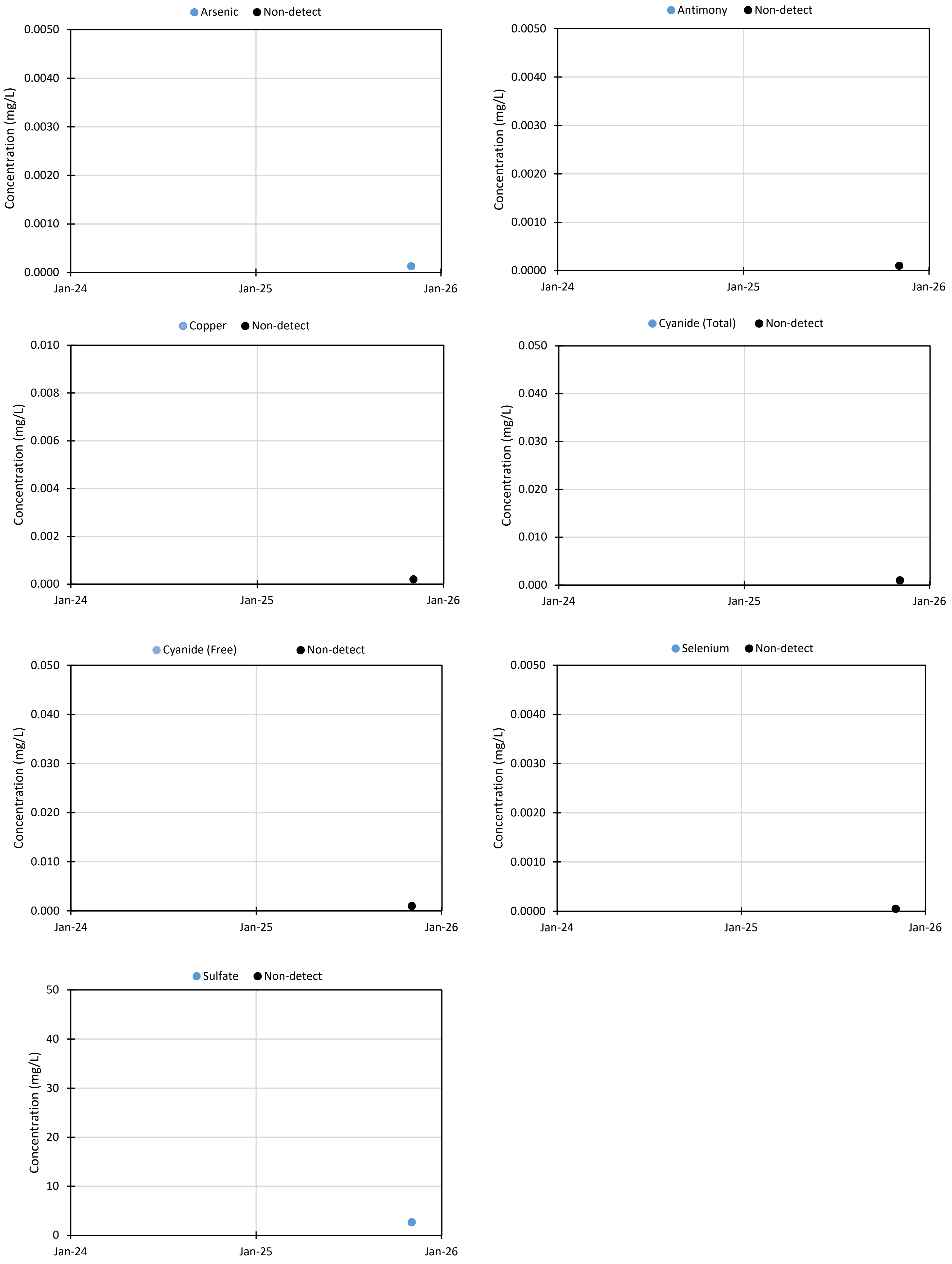
Notes:

*Client/Project*
Annual Reporting
GMMP
LLGP

*Figure No.*
**A-13**

*Title*
**Groundwater Quality - MWM-15B**

Stantec



Notes:

*Client/Project*

Annual Reporting
GMMP
LLGP

*Figure No.*

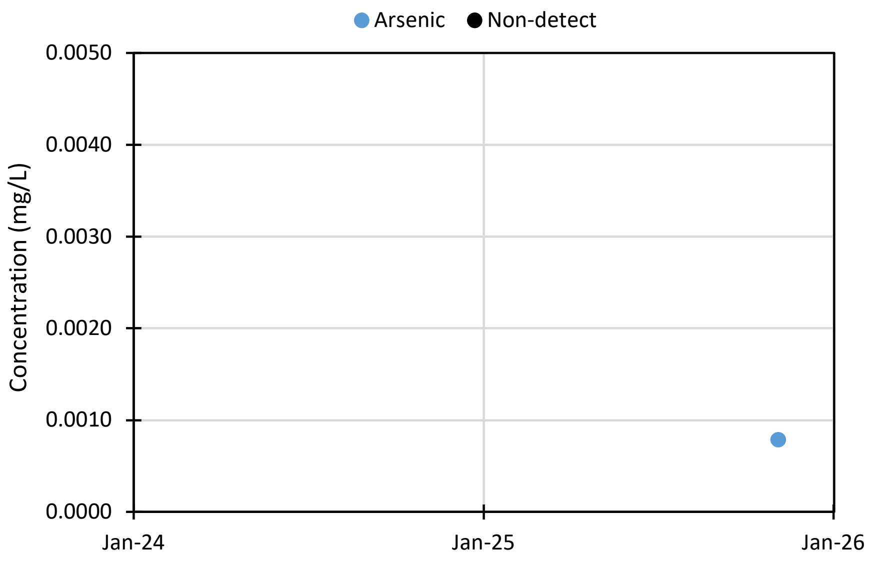
**A-14**

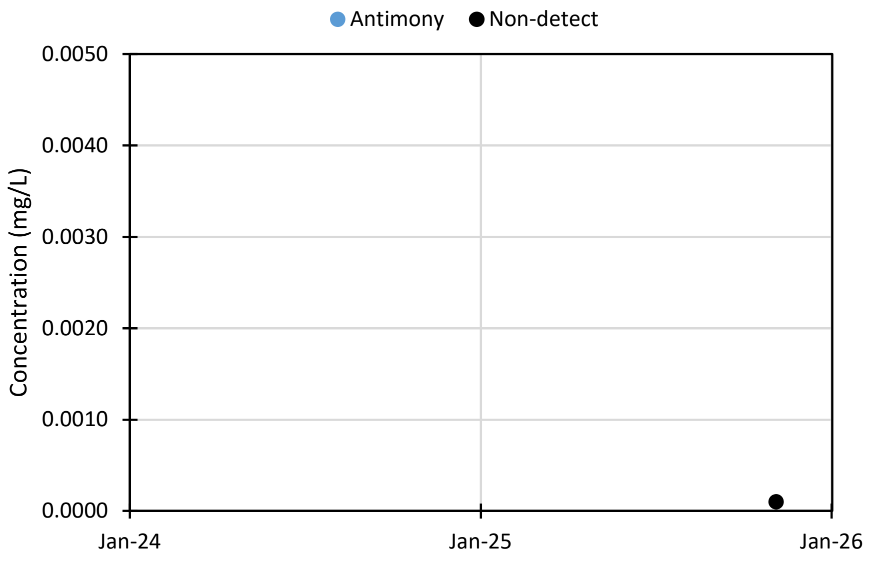
*Title*

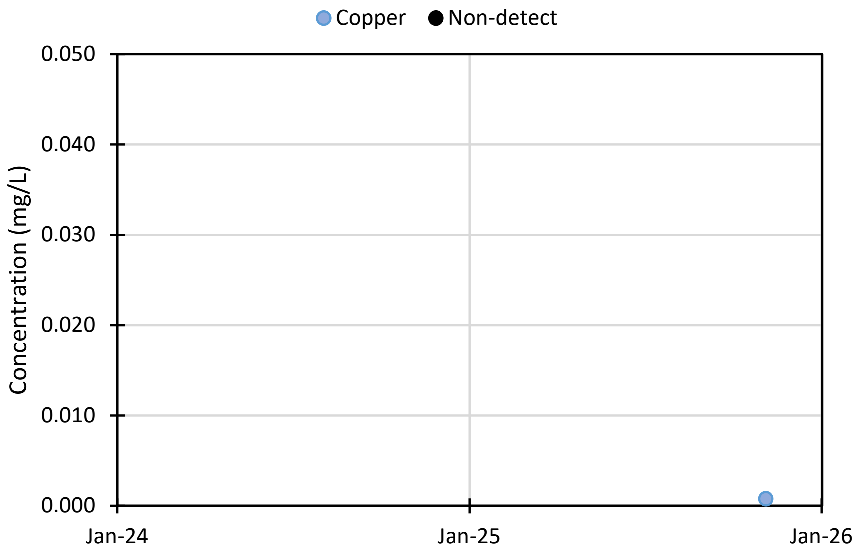
**Groundwater Quality - MWM-16A**

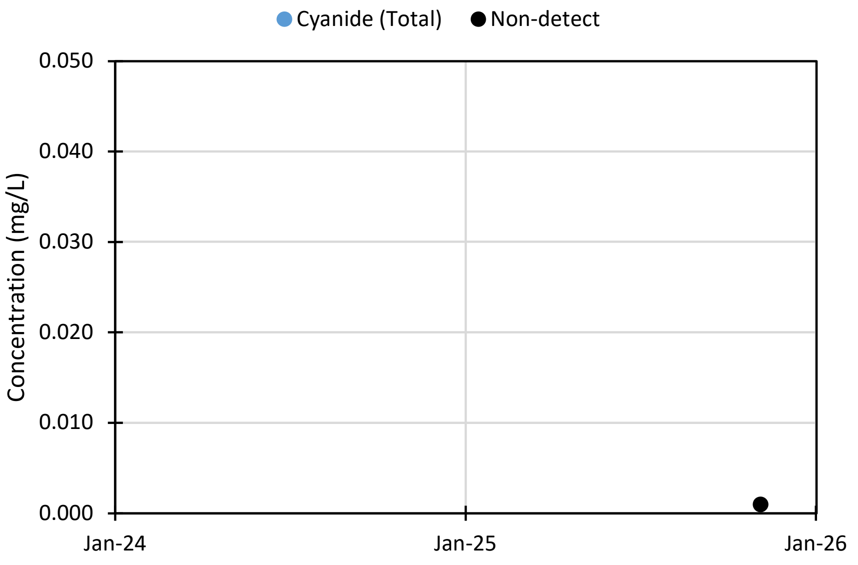
Stantec

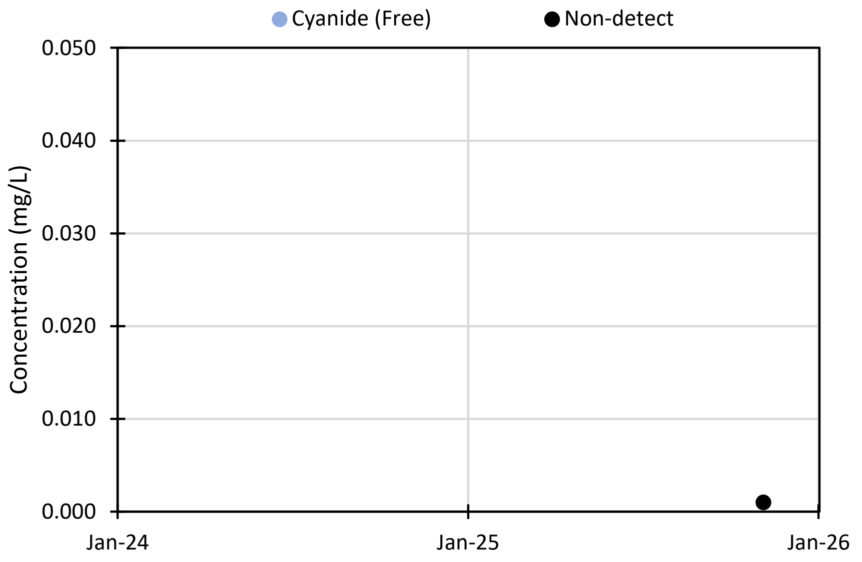
\\ca0045-ppfss01\shared_projects\111473084\09_management_monitoring_plans\12_GMMP-Groundwater Monitoring Plan\2025 Annual GMMP Report\App_A_Figures\Figure A-14-15 Hydrograph MWM-16.xlsx

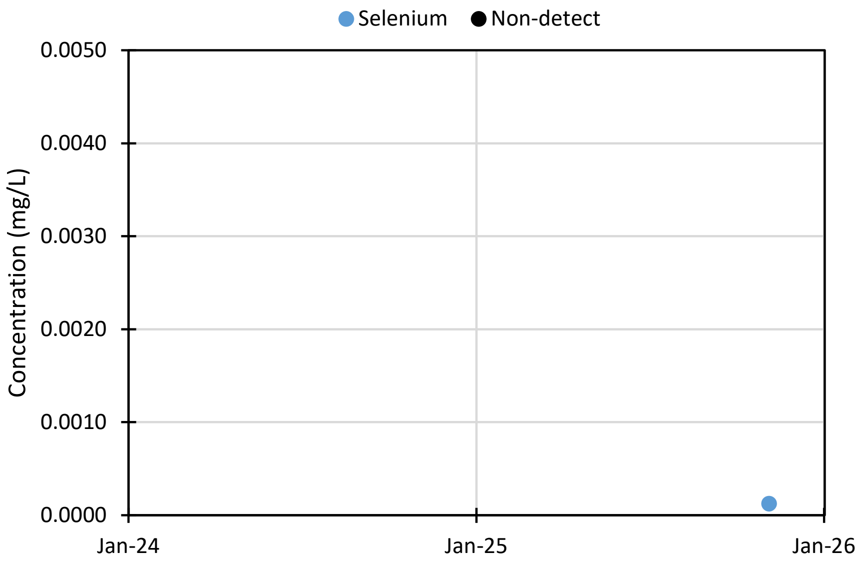


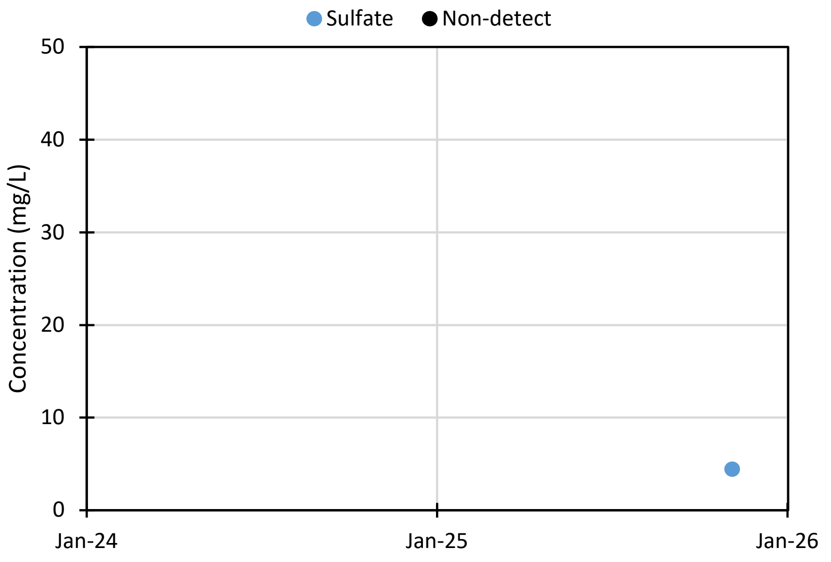












Notes:

*Client/Project*
Annual Reporting
GMMP
LLGP

*Figure No.*
**A-15**

*Title*
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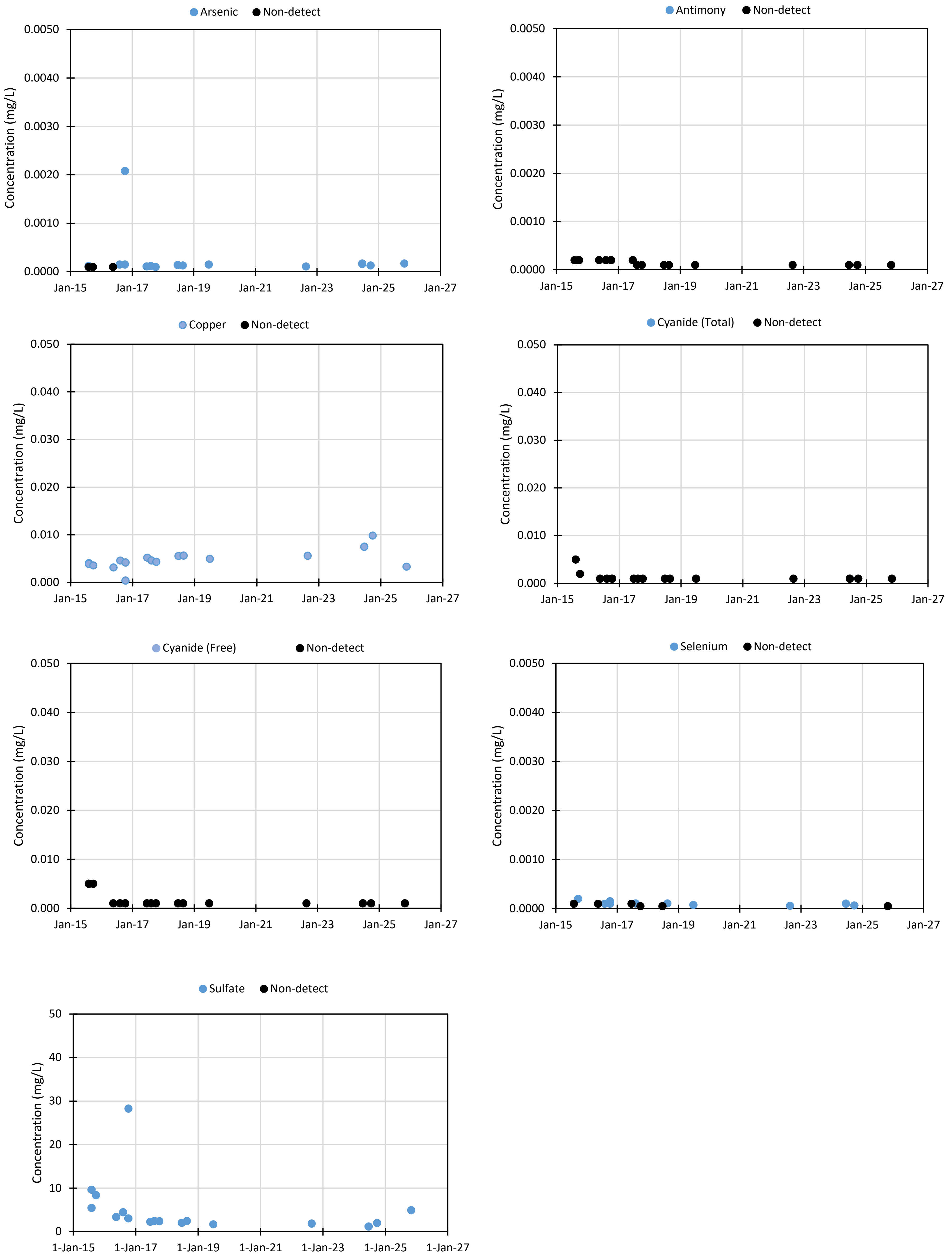


Notes:

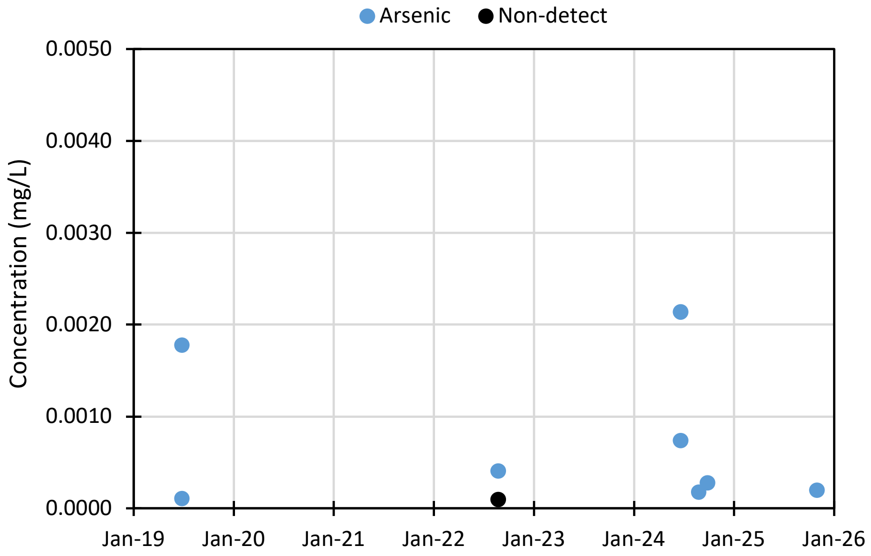
*Client/Project*
Annual Reporting
GMMP
LLGP

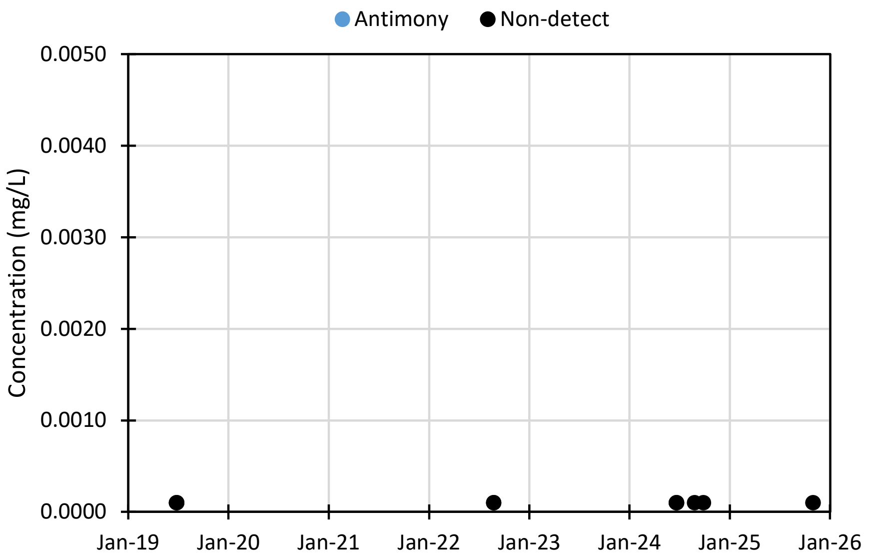
*Figure No.*
**A-16**

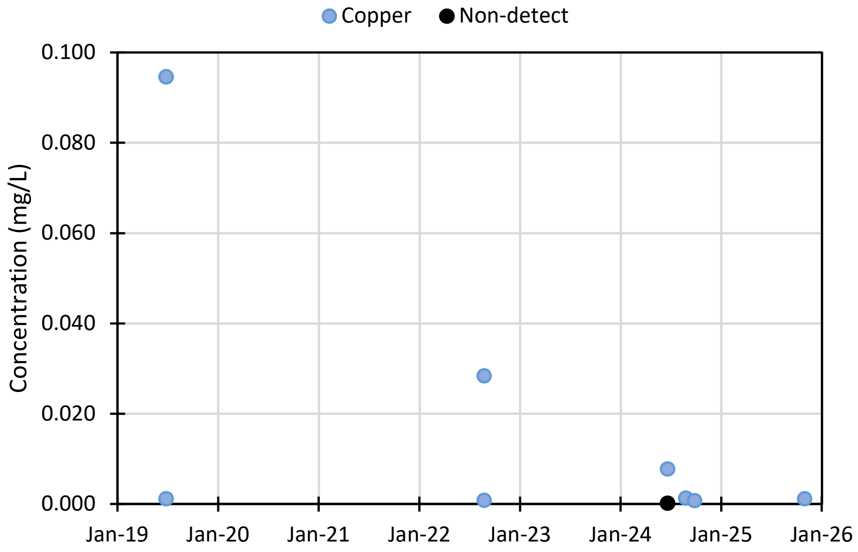
*Title*
**Groundwater Quality - MWM-02A**

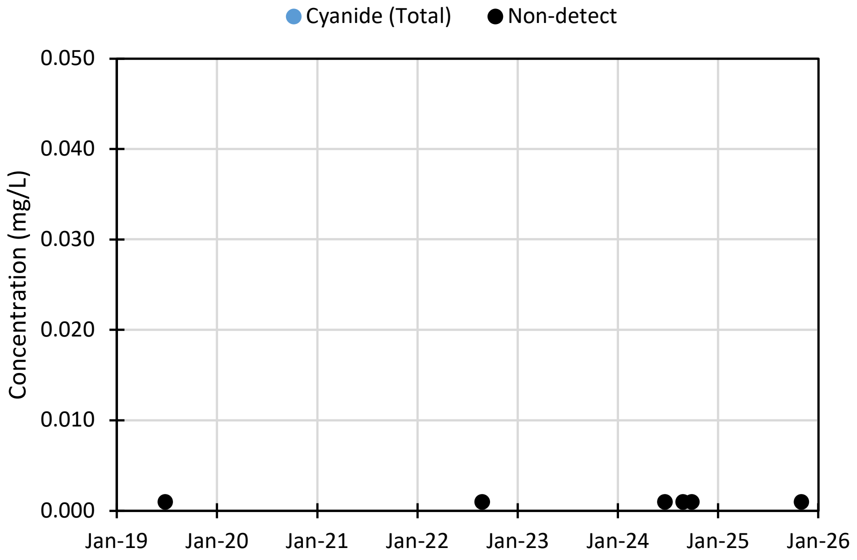
Stantec

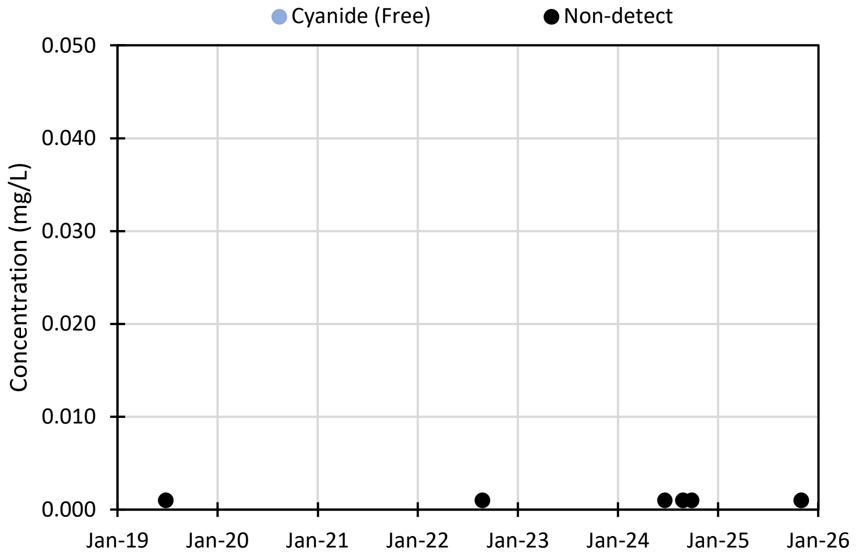
\\ca0045-ppfss01\shared_projects\111473084\09_management_monitoring_plans\12_GMMP-Groundwater Monitoring Plan\2025 Annual GMMP Report\App_A_Figures\Figure A-16 Hydrograph MWM-02A.xlsx

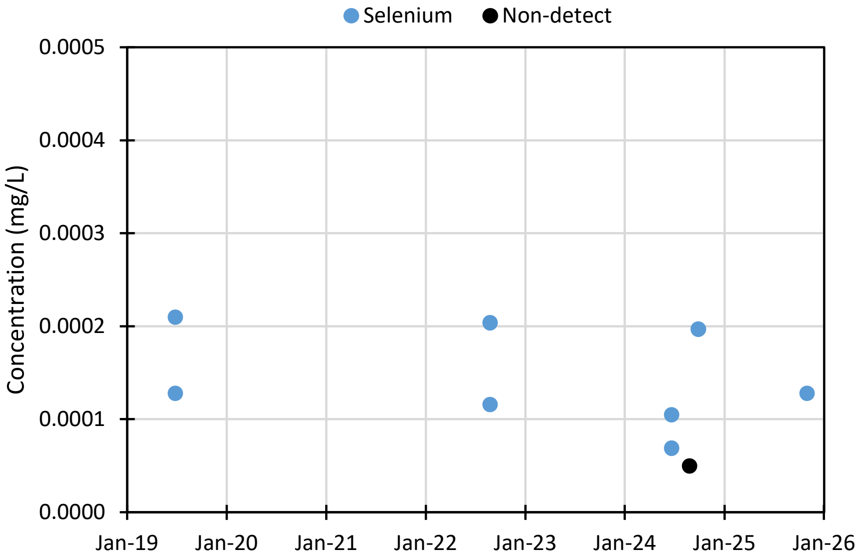


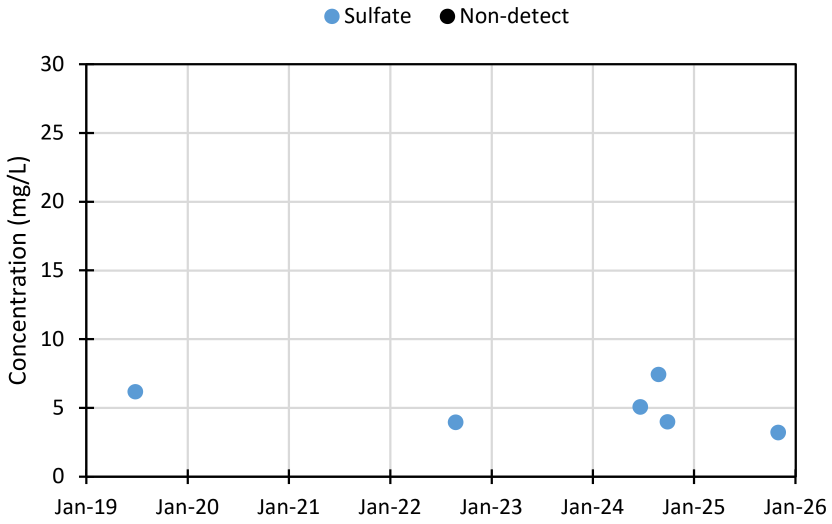












Notes:

*Client/Project*

Annual Reporting
GMMP
LLGP

*Figure No.*

**A-17**

*Title*

**Groundwater Quality - MWM-13A**

Stantec

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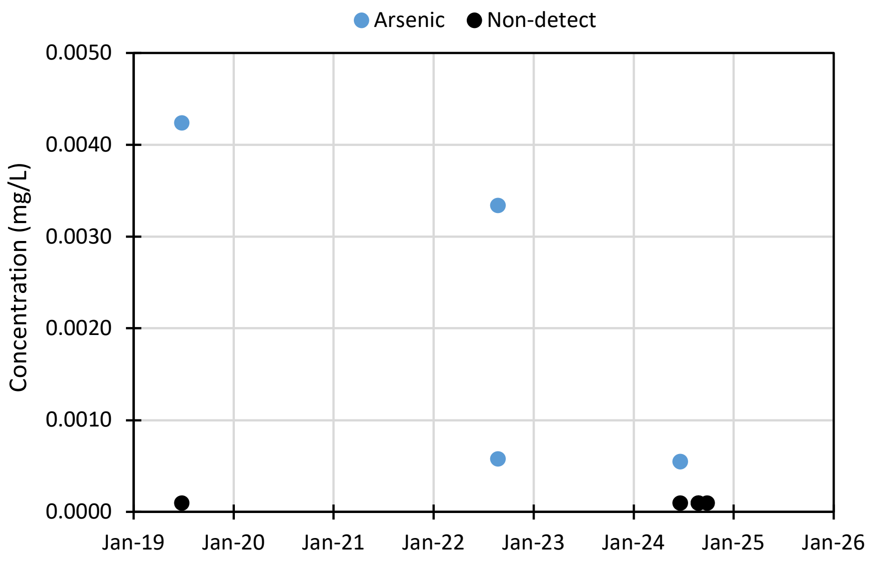
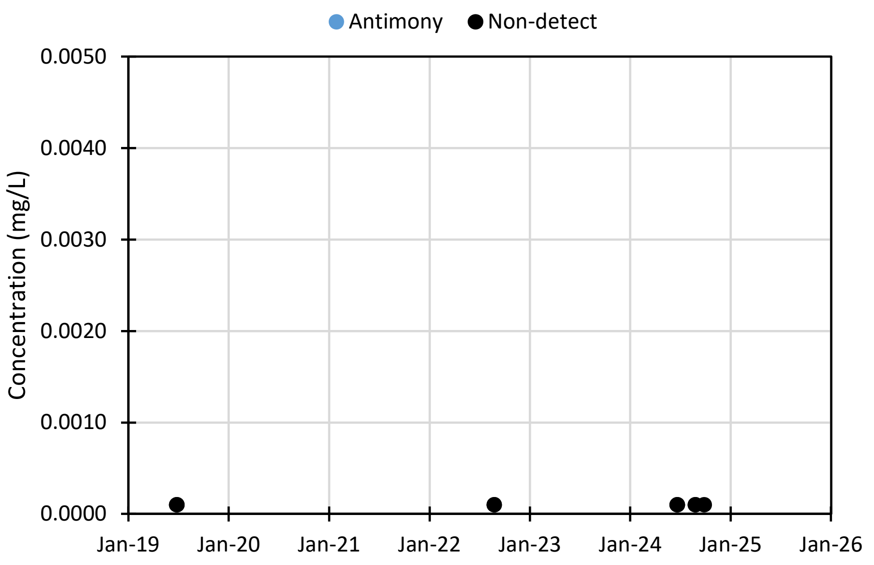
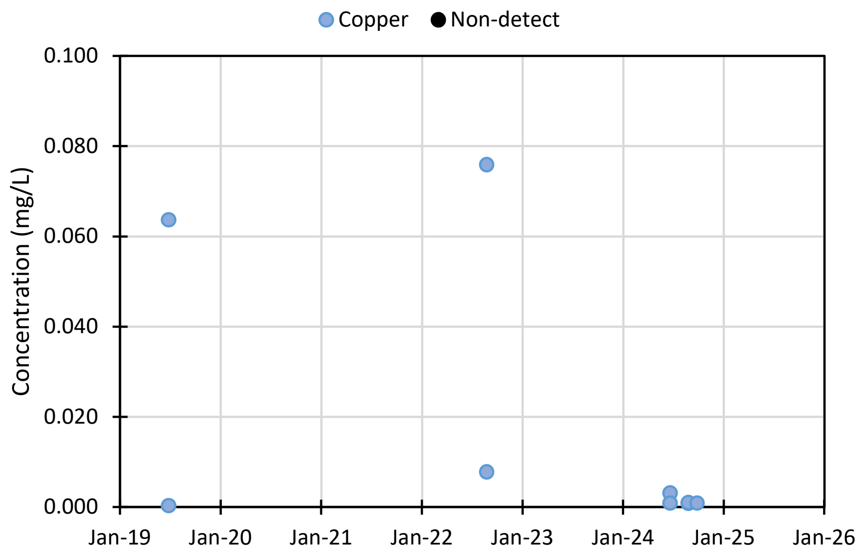
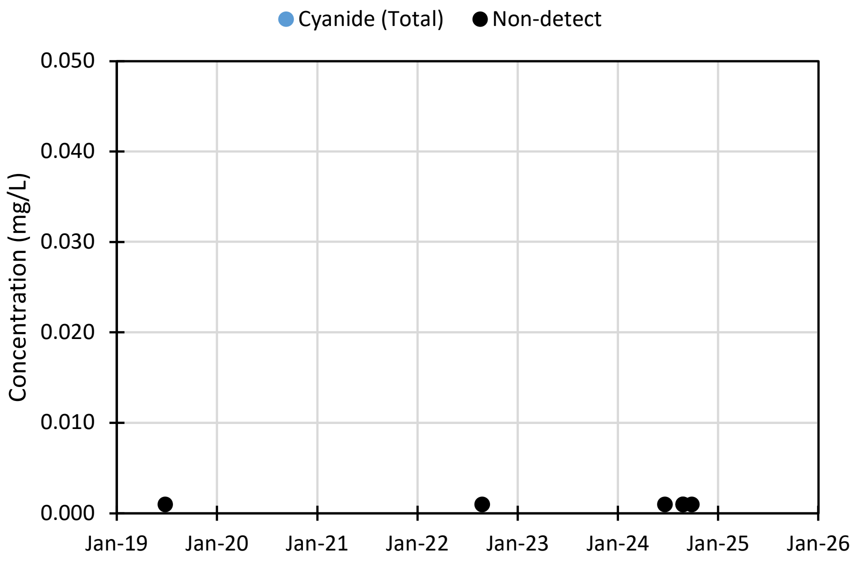
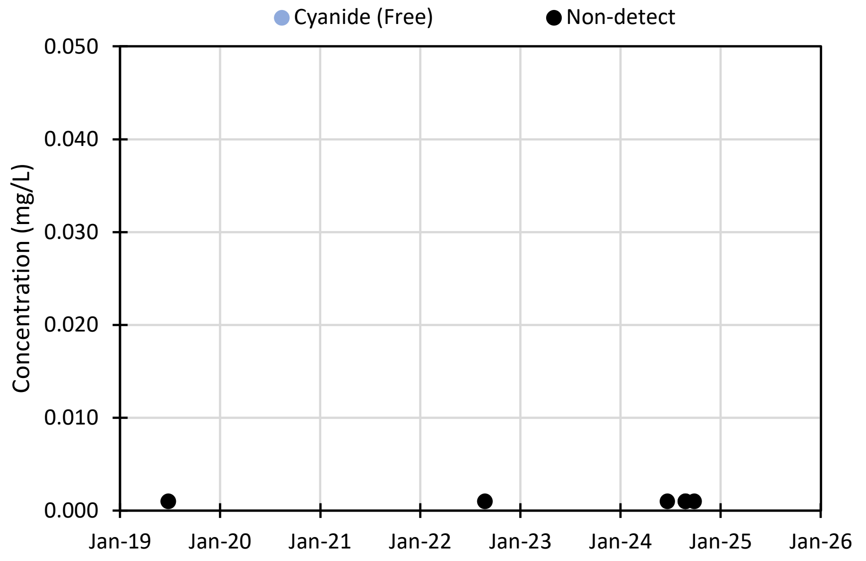
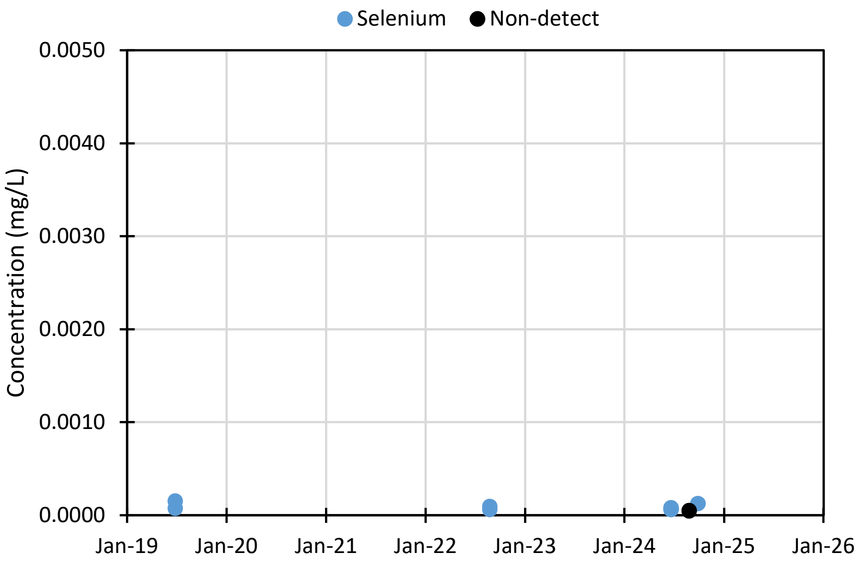


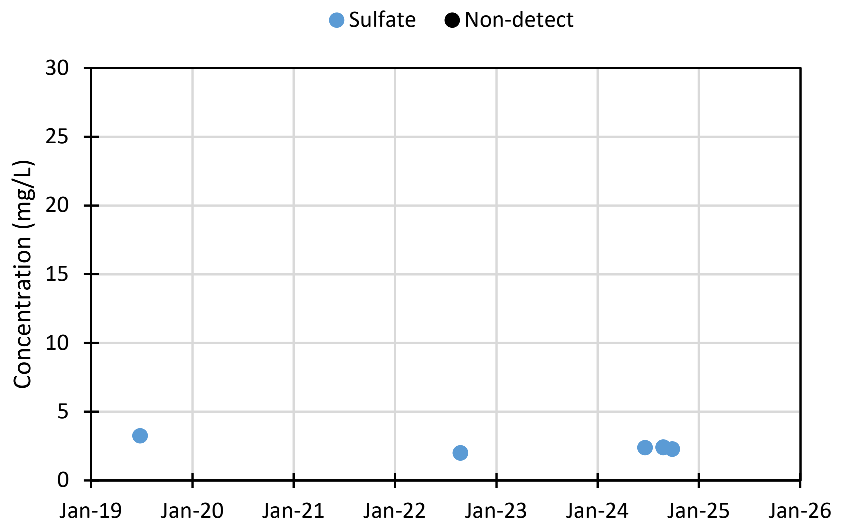












Notes:

*Client/Project*

Annual Reporting
GMMP
LLGP

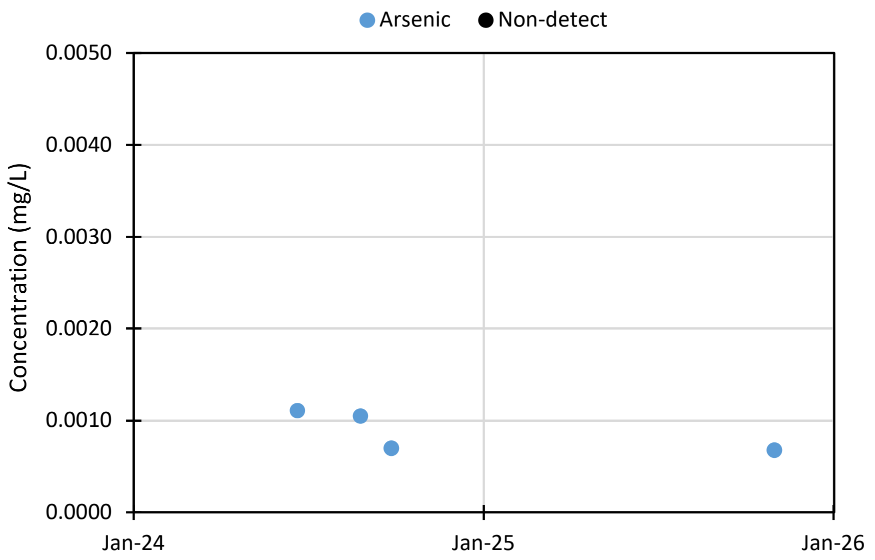
*Figure No.*

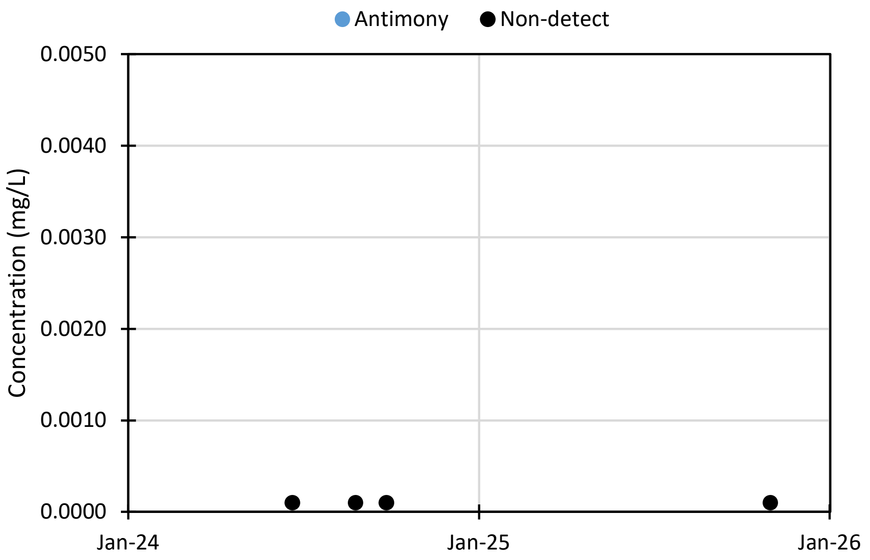
**A-18**

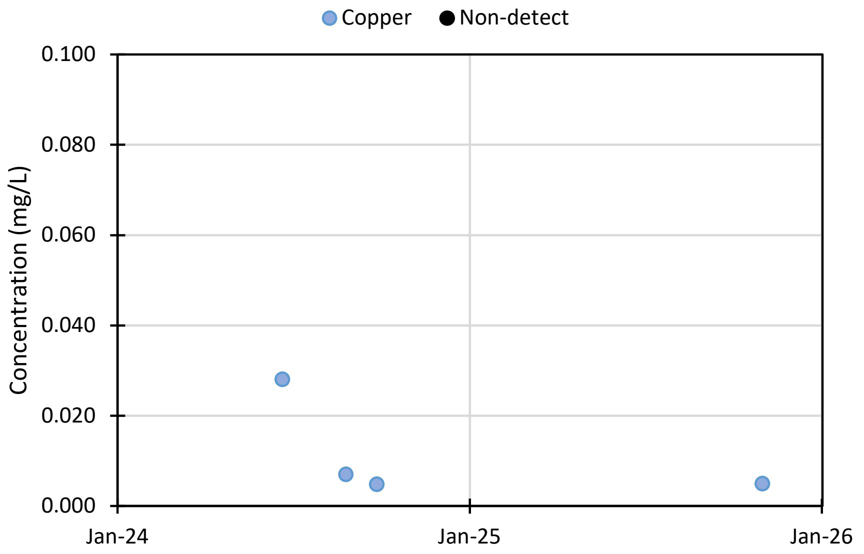
*Title*

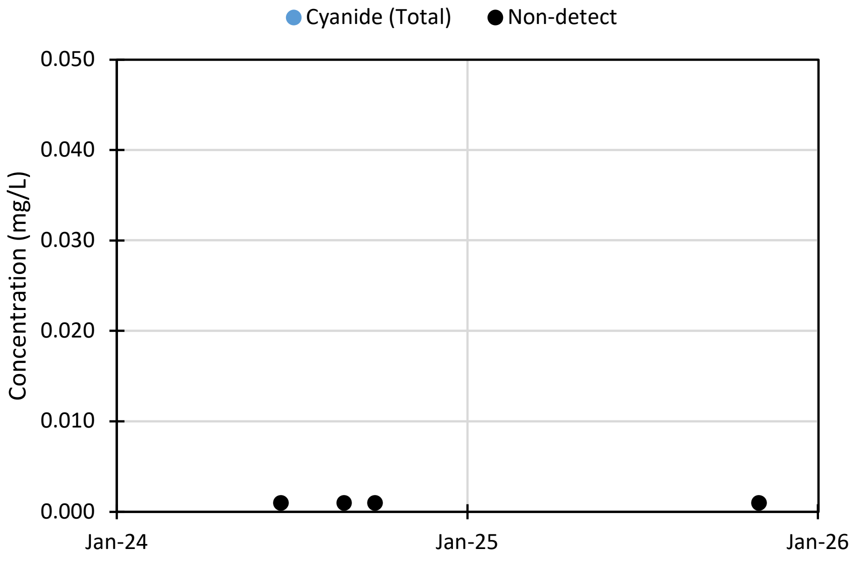
**Groundwater Quality - MWM-13B**

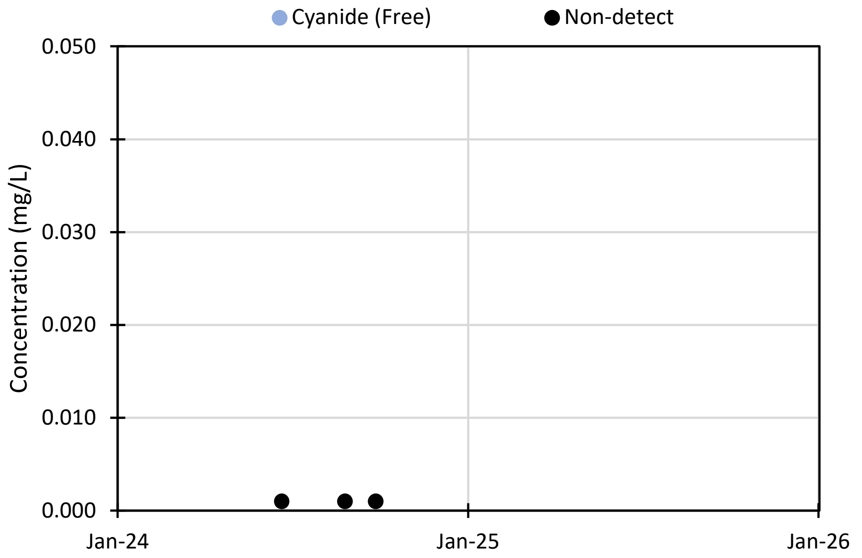
\\ca0045-ppfss01\shared_projects\111473084\09_management_monitoring_plans\12_GMMP-Groundwater Monitoring Plan\2025 Annual GMMP Report\App_A_Figures\Figure A-17-18 Hydrograph MWM-13 NEEDS IMS REVIEW.xlsx

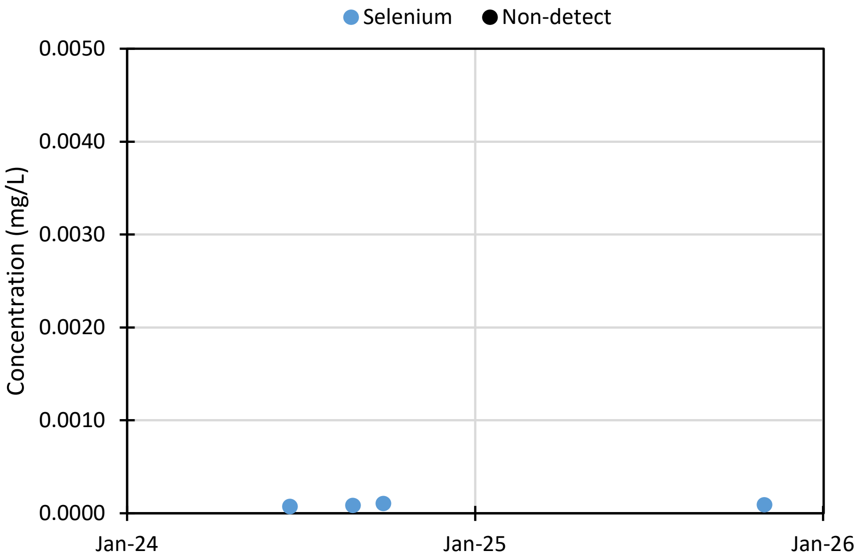


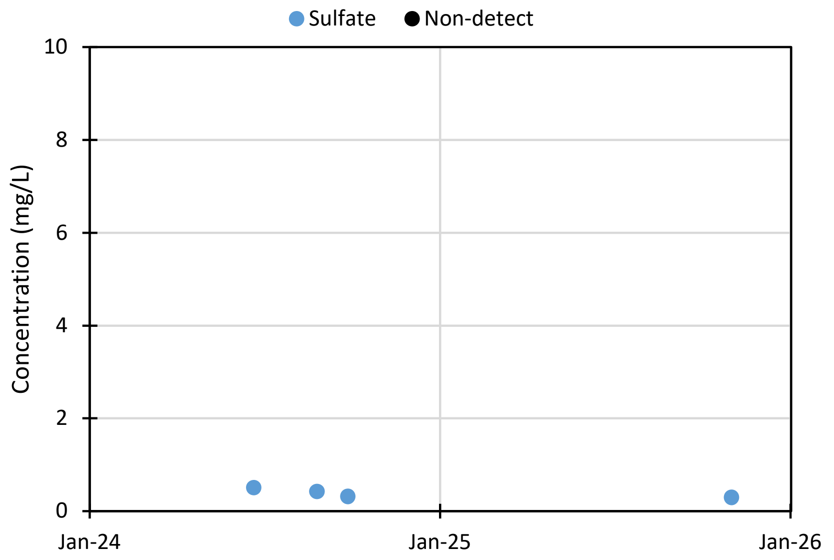












Notes:

*Client/Project*

Annual Reporting
GMMP
LLGP

*Figure No.*

**A-19**

*Title*

**Groundwater Quality - GBHM-12**

\\ca0045-ppfss01\shared_projects\111473084\09_management_monitoring_plans\12_GMMP-Groundwater Monitoring Plan\2025 Annual GMMP Report\App_A_Figures\Figure A-19 Hydrograph GBHM-12.xlsx

# Appendix B Tables

**Table B-1**
**Groundwater Monitoring Plan Summary - MacLellan Site**
**2025 Annual Groundwater Report - MacLellan Site**
**Lynn Lake Gold Project (LLGP)**

| Location ID | NAD1983 UTM Zone 14N | | Total Daily Pumped Volume | Water Level | | Sample (General Chemistry, Nutrients, Dissolved Metals) | Location | Rationale |
|---|---|---|---|---|---|---|---|---|
| | Northings | Eastings | | Manual | Data Logger | | | |
| **Monitoring Wells** | | | | | | | | |
| BH18-01B | 6309026 | 381952 | - | ✓* | - | - | Within footprint of MRSA | Monitor will be removed with development of MRSA |
| BH18-01S | 6309026 | 381951 | - | ✓* | - | - | Within footprint of MRSA | Monitor will be removed with development of MRSA |
| BH18-02 | 6309096 | 382811 | - | ✓* | - | - | Within footprint of TMF | Monitor will be removed with development of TMF |
| BH18-03 | 6309358 | 383304 | - | ✓* | - | - | Within footprint of TMF | Monitor will be removed with development of TMF |
| BH18-04B | 6305900 | 383513 | - | ✓* | - | - | Within footprint of TMF | Monitor will be removed with development of TMF |
| BH18-04S | 6305900 | 383512 | - | ✓* | - | - | Within footprint of TMF | Monitor will be removed with development of TMF |
| BH18-05 | 6310535 | 383639 | - | ✓* | - | - | Within footprint of TMF | Monitor will be removed with development of TMF |
| BH18-06 | 6310671 | 383067 | - | ✓* | - | - | Within footprint of TMF | Monitor will be removed with development of TMF |
| BH18-07 | 6310374 | 382425 | - | ✓* | - | - | Within footprint of TMF | Monitor will be removed with development of TMF |
| BH18-08B | 6308502 | 382913 | - | ✓* | - | - | Within footprint of MRSA | Monitor will be removed with development of MRSA |
| BH18-08S | 6308502 | 382915 | - | ✓* | - | - | Within footprint of MRSA | Monitor will be removed with development of MRSA |
| BH18-09B | 6308508 | 382915 | - | ✓* | - | - | Within footprint of MRSA | Monitor will be removed with development of MRSA |
| BH18-09S | 6308508 | 382914 | - | ✓* | - | - | Within footprint of MRSA | Monitor will be removed with development of MRSA |
| GBHM-01A | 6307726 | 381419 | - | ✓* | - | - | Within footprint of open pit | Monitor will be removed with development of the open pit |
| GBHM-01B | 6307726 | 381426 | - | ✓* | - | - | Within footprint of open pit | Monitor will be removed with development of the open pit |
| GBHM-02A | 6307354 | 381313 | - | ✓* | - | - | Between open pit and East Pond | Monitor will be removed with development of the open pit |
| GBHM-02B | 6307354 | 381309 | - | ✓* | - | - | Between open pit and East Pond | Monitor will be removed with development of the open pit |
| GBHM-03A | 6307082 | 380699 | - | ✓* | - | - | Adjacent to south rim of open pit | Monitor will be removed with development of the open pit |
| GBHM-03B | 6307076 | 380703 | - | ✓* | - | - | Adjacent to south rim of open pit | Monitor will be removed with development of the open pit |
| GBHM-04 | 6307063 | 380409 | - | ✓* | - | - | Southwestern rim of open pit | Monitor will be removed with development of the open pit |
| GBHM-05A | 6307184 | 380313 | - | ✓ | ✓ | ✓ | Between open pit and Keewatin River | Monitor potential changes in water level and quality due to open pit dewatering |
| GBHM-05B | 6307186 | 380313 | - | ✓ | ✓ | ✓ | Between open pit and Keewatin River | Monitor potential changes in water level and quality due to open pit dewatering |
| GBHM-06A | 6307643 | 380575 | - | ✓* | - | - | Within footprint of the open pit | Monitor will be removed with development of the open pit |
| GBHM-06B | 6307643 | 380573 | - | ✓* | - | - | Within footprint of the open pit | Monitor will be removed with development of the open pit |
| GBHM-07 | 6309928 | 381518 | - | ✓*** | - | ✓*** | Northwest of TMF | Monitor potential changes in water level in relation to TMF and monitor quality within predicted flow path of seepage from TMF. Historically well has limited water for sampling. |
| GBHM-08 | 6309118 | 382073 | - | ✓* | - | - | Within footprint of TMF | Monitor will be removed with development of the TMF |
| GBHM-09A | 6308247 | 381463 | - | ✓* | - | - | Within footprint of overburden stockpile | Monitor will be removed with development of the overburden stockpile |
| GBHM-09B | 6308246 | 381465 | - | ✓* | - | - | Within footprint of overburden stockpile | Monitor will be removed with development of the overburden stockpile |
| GBHM-10A | 6307862 | 381351 | - | ✓* | - | - | Adjacent to north rim of open pit | Monitor will be removed with development of mine infrastructure |
| GBHM-10B | 6307861 | 381353 | - | ✓* | - | - | Adjacent to north rim of open pit | Monitor will be removed with development of mine infrastructure |
| GBHM-11A | 6307873 | 380660 | - | ✓** | - | ✓** | Adjacent to northwest rim of open pit | Monitor potential changes in water level and quality due to open pit dewatering |
| GBHM-11B | 6307874 | 380661 | - | ✓** | - | - | Adjacent to northwest rim of open pit | Monitor potential changes in water level due to open pit dewatering |
| GBHM-12 | 6309100 | 380946 | - | ✓ | - | ✓ | Between TMF and Keewatin River | Monitor potential changes in water level in relation to TMF and monitor quality within predicted flow path of seepage from TMF |
| GBHM-13A | 6308726 | 383577 | - | ✓* | - | ✓* | Within footprint of MRSA | Monitor will be removed with development of MRSA |
| GBHM-13B | 6308725 | 383580 | - | ✓* | - | ✓* | Within footprint of MRSA | Monitor will be removed with development of MRSA |
| GBHM-14 | 6308614 | 384112 | - | - | - | - | Adjacent to southwest boundary of MRSA, | Completed within overburden that infills bedrock valley. Historically, well has been frozen and ability to sample is limited. |
| GBHM-15 | 6308891 | 384758 | - | ✓ | - | ✓ | East of MRSA | Monitor potential changes in water level in relation to TMF and monitor water quality within predicted flow path of seepage from MRSA and TMF. |
| GBHM-18 | 6311189 | 386027 | - | ✓ | ✓ | ✓ | South of Lobster Lake, upgradient of MRSA | Monitor to understand background fluctuation in water level and quality |
| GBHM-19 | 6311097 | 385143 | - | ✓ | - | - | Northeast of TMF, east of Payne Lake | Monitor potential changes in water level in relation to TMF |
| GBHM-20 | 6310662 | 384056 | - | ✓ | - | ✓ | Northeast of TMF, southeast of Payne Lake | Monitor potential changes in water level in relation to TMF and monitor water quality within predicted flow path of seepage from MRSA and TMF. |
| GBHM-21 | 6309818 | 383724 | - | ✓* | - | ✓* | Within footprint of MRSA | Monitor will be removed with development of MRSA |
| GBHM-22A | 6309582 | 384968 | - | ✓ | ✓ | ✓ | East of MRSA | Monitor potential changes in water level in relation to TMF and monitor water quality within predicted flow path of seepage from MRSA and TMF |
| GBHM-22B | 6309584 | 384966 | - | ✓ | ✓ | ✓ | East of MRSA | Monitor potential changes in water level in relation to TMF and monitor water quality within predicted flow path of seepage from MRSA and TMF |
| GBHM-23A | 6310353 | 384892 | - | - | - | - | Located northeast of the TMF | Monitoring of this well unsuccessful historically due to frozen conditions |
| GBHM-23B | 6310352 | 384895 | - | - | - | - | Located northeast of the TMF | Monitoring of this well unsuccessful historically due to frozen conditions |
| GBHM-16-01R | 6307421 | 380329 | - | ✓ | - | - | Between open pit and Keewatin River | Monitor potential changes in water level due to open pit dewatering and monitor water quality between open pit and Keewatin River. |
| GBHM-16-01S | 6307419 | 380328 | - | ✓ | - | - | Between open pit and Keewatin River | Monitor potential changes in water level due to open pit dewatering and monitor water quality between open pit and Keewatin River. |
| GBHM-16-02R | 6307240 | 380313 | - | ✓* | - | - | Located within footprint of open pit | Monitor will be removed with development of open pit |
| GBHM-16-02S | 6307236 | 380314 | - | ✓* | - | - | Located within footprint of open pit | Monitor will be removed with development of open pit |

**Table B-1**
**Groundwater Monitoring Plan Summary - MacLellan Site**
**2025 Annual Groundwater Report - MacLellan Site**
**Lynn Lake Gold Project (LLGP)**

| Location ID | NAD1983 UTM Zone 14N | | Total Daily Pumped Volume | Water Level | | Sample (General Chemistry, Nutrients, Dissolved Metals) | Location | Rationale |
|---|---|---|---|---|---|---|---|---|
| | Northings | Eastings | | Manual | Data Logger | | | |
| GBHM-16-03R | 6308741 | 384139 | - | ✓ | - | ✓ | Adjacent to southwest boundary of MRSA, | Monitor water quality within predicted flow path of seepage from the TMF and MRSA |
| GBHM-16-03S | 6308741 | 384139 | - | ✓ | - | ✓ | Adjacent to southwest boundary of MRSA, | Monitor water quality within predicted flow path of seepage from the TMF and MRSA |
| GBHM-16-04R | 6308989 | 384769 | - | ✓ | - | - | East of MRSA, north of Minton Lake | Located near to GBHM-15 which is being monitored for quality |
| GBHM-16-04S | 6308989 | 384769 | - | ✓ | - | - | East of MRSA, north of Minton Lake | Located near to GBHM-15 which is being monitored for quality |
| GBHM-16-06 | 6310032 | 384937 | - | ✓ | - | ✓ | East of MRSA, adjacent to tributaries of Minton Lake | Monitor potential changes in water level in relation to TMF and monitor water quality within predicted flow path of seepage from MRSA and TMF |
| GBHM-16-08R | 6308841 | 381449 | - | - | - | - | Western edge of MRSA | Monitor will be removed with development of MRSA |
| GBHM-16-08S | 6308841 | 381449 | - | - | - | - | Western edge of MRSA | Monitor will be removed with development of MRSA |
| GBHM-16-09 | 6308499 | 381488 | - | ✓* | - | - | Within footprint of overburden stockpile | Monitor will be removed with development of the overburden stockpile |
| GBHM-17-01R | 6305114 | 378631 | - | - | - | - | Along access road, south of Keewatin River | Near GBHM-17-02 which is included in monitoring program |
| GBHM-17-02R | 6304685 | 378489 | - | ✓ | ✓ | - | Along access road, south of Keewatin River | Monitor potential changes in water level due to open pit dewatering |
| GBHM-17-02S | 6304685 | 378489 | - | ✓ | ✓ | - | Along access road, south of Keewatin River | Monitor potential changes in water level due to open pit dewatering |
| GBHM-17-03R | 6306790 | 381276 | - | ✓ | ✓ | - | South of open pit, adjacent to explosives magazine access road | Monitor potential changes in water level due to open pit dewatering |
| GBHM-17-04R | 6306421 | 380953 | - | ✓ | - | - | Adjacent to explosives magazine | Monitor potential changes in water level due to open pit dewatering |
| GBHM-17-05R | 6306234 | 383261 | - | ✓ | ✓ | - | Southwest of Minton Lake, east of open pit | Monitor potential changes in water level due to open pit dewatering |
| GBHM-17-05S | 6306234 | 383261 | - | ✓ | ✓ | - | Southwest of Minton Lake, east of open pit | Monitor potential changes in water level due to open pit dewatering |
| GBHM-17-06R | 6306365 | 383816 | - | - | - | - | Southwest of Minton Lake, east of open pit | Near GBHM-17-05 which is included in the monitoring program |
| GBHM-17-06S | 6306365 | 383816 | - | - | - | - | Southwest of Minton Lake, east of open pit | Near GBHM-17-05 which is included in the monitoring program |
| MWM-01A | 6311753 | 385129 | - | ✓ | ✓ | - | Adjacent to Lobster Lake, background monitoring well | Monitor to understand background fluctuation in water level |
| MWM-01B | 6311751 | 385128 | - | - | - | - | Adjacent to Lobster Lake, background monitoring well | Insufficient water to monitor or collect sample historically |
| MWM-02A | 6311074 | 383570 | - | ✓ | ✓ | ✓ | Between TMF and Payne Lake | Monitor for potential changes in water level in relation to TMF and monitor water quality within predicted flow path of seepage from MRSA and TMF |
| MWM-02B | 6311072 | 383569 | - | ✓ | ✓ | ✓*** | Between TMF and Payne Lake | Monitor for potential changes in water level in relation to TMF and monitor water quality within predicted flow path of seepage from MRSA and TMF. |
| MWM-03 | 6308286 | 384213 | - | ✓*** | - | ✓*** | Adjacent to Minton Lake, completed within infilled bedrock valley | Monitor water quality within predicted flow path of seepage from MRSA and TMF. |
| MWM-04 | 6308330 | 380972 | - | ✓* | - | - | Within footprint of process plant and parking lot | Monitor will be removed with development of mine infrastructure |
| MWM-05A | 6308081 | 380571 | - | ✓ | ✓ | - | Adjacent to Keewatin River, north of open pit | Monitor potential changes in water level due to open pit dewatering |
| MWM-05B | 6308084 | 380569 | - | ✓ | ✓ | - | Adjacent to Keewatin River, north of open pit | Monitor potential changes in water level due to open pit dewatering |
| MWM-06A | 6307845 | 380177 | - | ✓ | - | - | Between Dot Lake and Keewatin River | Monitor potential changes in water level due to open pit dewatering. Well has historically been frozen, monitoring may be limited. |
| MWM-06B | 6307848 | 380175 | - | ✓ | ✓ | ✓ | Between Dot Lake and Keewatin River | Monitor potential changes in water level due to open pit dewatering |
| MWM-07A | 6307697 | 381187 | - | ✓* | - | - | Within footprint of open pit | Monitor will be removed with development of open pit |
| MWM-07B | 6307698 | 381189 | - | ✓* | - | - | Within footprint of open pit | Monitor will be removed with development of open pit |
| MWM-08 | 6307685 | 380812 | - | - | - | - | Within footprint of open pit | Monitor will be removed with development of open pit |
| MWM-09A | 6307487 | 380634 | - | ✓* | - | - | Within footprint of open pit | Monitor will be removed with development of open pit |
| MWM-09B | 6307487 | 380632 | - | ✓* | - | - | Within footprint of open pit | Monitor will be removed with development of open pit |
| MWM-10A | 6306242 | 380596 | - | ✓ | ✓ | - | Adjacent to Keewatin River, south of open pit | Monitor potential changes in water level and quality due to open pit dewatering |
| MWM-10B | 6306244 | 380597 | - | ✓ | ✓ | - | Adjacent to Keewatin River, south of open pit | Monitor potential changes in water level and quality due to open pit dewatering |
| MWM-11R | 6307583 | 381188 | - | ✓* | - | - | Within footprint of open pit, adjacent to historical MRSA | Monitor will be removed with development of open pit |
| MWM-11S | 6307583 | 381188 | - | ✓* | - | - | Within footprint of open pit, adjacent to historical MRSA | Monitor will be removed with development of open pit |
| MWM-12A | 6310900 | 382742 | - | ✓*** | - | ✓*** | Between TMF and Payne Lake | Monitor water quality within predicted flow path of seepage from the TMF and MRSA. Well is historically frozen so monitoring may be limited. |
| MWM-12B | 6310900 | 382742 | - | ✓*** | - | ✓*** | Between TMF and Payne Lake | Monitor water quality within predicted flow path of seepage from the TMF and MRSA. Well is historically frozen so monitoring may be limited. |
| MWM-13A | 6310465 | 382122 | - | ✓ | ✓ | ✓ | Northwest of TMF | Monitor potential changes in water level in relation to TMF and monitor water quality within predicted flow path of seepage from MRSA and TMF. |
| MWM-13B | 6310465 | 382122 | - | ✓ | ✓ | ✓ | Northwest of TMF | Monitor potential changes in water level in relation to TMF and monitor water quality within predicted flow path of seepage from MRSA and TMF. |

**Table B-1**
**Groundwater Monitoring Plan Summary - MacLellan Site**
**2025 Annual Groundwater Report - MacLellan Site**
**Lynn Lake Gold Project (LLGP)**

| Location ID | NAD1983 UTM Zone 14N | | Total Daily Pumped Volume | Water Level | | Sample (General Chemistry, Nutrients, Dissolved Metals) | Location | Rationale |
|---|---|---|---|---|---|---|---|---|
| | Northings | Eastings | | Manual | Data Logger | | | |
| MWM-14A | 6310126 | 384344 | - | ✓ | - | ✓ | Adjacent to northeast boundary of MRSA | Monitor potential changes in water level in relation to TMF and monitor water quality within predicted flow path of seepage from MRSA and TMF within bedrock |
| MWM-14B | 6310126 | 384345 | - | ✓ | - | ✓ | Adjacent to northeast boundary of MRSA | Monitor potential changes in water level in relation to TMF and monitor water quality within predicted flow path of seepage from MRSA and TMF within overburden |
| MWM-15A | 6308151 | 383312 | - | ✓ | - | ✓ | Adjacent to southern boundary of MRSA | Monitor potential changes in water level in relation to TMF and monitor water quality within predicted flow path of seepage from MRSA and TMF within bedrock |
| MWM-15B | 6308151 | 383310 | - | ✓ | - | ✓ | Adjacent to southern boundary of MRSA | Monitor potential changes in water level in relation to TMF and monitor water quality within predicted flow path of seepage from MRSA and TMF within overburden |
| MWM-16A | 6308028 | 382384 | - | ✓ | - | ✓ | Adjacent to southern boundary of MRSA | Monitor potential changes in water level in relation to TMF and monitor water quality within predicted flow path of seepage from MRSA and TMF within bedrock |
| MWM-16B | 6308028 | 382383 | - | ✓ | - | ✓ | Adjacent to southern boundary of MRSA | Monitor potential changes in water level in relation to TMF and monitor water quality within predicted flow path of seepage from MRSA and TMF within overburden |
| MWM-17 | 6307367 | 382473 | - | ✓ | ✓ | ✓ | East of open pit and tributary of Keewatin River | Monitor potential changes in water level in relation to TMF and monitor water quality within predicted flow path of seepage from MRSA and TMF within bedrock |
| MWM-18 | 6306387 | 382182 | - | ✓ | ✓ | - | East of open pit and tributary of Keewatin River | Monitor potential changes in water level due to open pit dewatering within bedrock |
| Summary Proposed Monitoring Wells | | | 0 | 59 | 22 | 31 | | |
| **Proposed Vibrating Wire Piezometers****** | | | | | | | | |
| VWP-1 (50) | 6306733 | 380915 | - | - | ✓**** | - | Located south of open pit | Monitor water level in intermediate and deep bedrock. Required per conditions of EIS Decision Statement. |
| VWP-1 (100) | 6306733 | 380915 | - | - | ✓**** | - | Located south of open pit | Monitor water level in intermediate and deep bedrock. Required per conditions of EIS Decision Statement. |
| VWP-1 (150) | 6308281 | 381105 | - | - | ✓**** | - | Located south of open pit | Monitor water level in intermediate and deep bedrock. Required per conditions of EIS Decision Statement. |
| VWP-2 (50) | 6308090 | 380661 | - | - | ✓**** | - | Located between overburden stockpile and Keewatin River | Monitor water level in intermediate and deep bedrock. Required per conditions of EIS Decision Statement. |
| VWP-2 (100) | 6308090 | 380661 | - | - | ✓**** | - | Located between overburden stockpile and Keewatin River | Monitor water level in intermediate and deep bedrock. Required per conditions of EIS Decision Statement. |
| VWP-2 (150) | 6308090 | 380661 | - | - | ✓**** | - | Located between overburden stockpile and Keewatin River | Monitor water level in intermediate and deep bedrock. Required per conditions of EIS Decision Statement. |
| VWP-3 (50) | 6308098 | 383034 | - | - | ✓**** | - | Located adjacent to MRSA | Monitor water level in intermediate and deep bedrock. Required per conditions of EIS Decision Statement. |
| VWP-3 (100) | 6308098 | 383034 | - | - | ✓**** | - | Located adjacent to MRSA | Monitor water level in intermediate and deep bedrock. Required per conditions of EIS Decision Statement. |
| VWP-3 (150) | 6308098 | 383034 | - | - | ✓**** | - | Located adjacent to MRSA | Monitor water level in intermediate and deep bedrock. Required per conditions of EIS Decision Statement. |
| Summary Proposed Vibrating Wire Piezometers | | | 0 | 0 | 9 | 0 | | |
| **Drive-Point Piezometers** | | | | | | | | |
| DPM-1 GW | 6309936 | 385841 | - | ✓ | - | - | Unnamed lake north of Minton Lake | Monitor groundwater-surface water interactions |
| DPM-1 SW | 6309936 | 385841 | | ✓ | - | - | Unnamed lake north of Minton Lake | Monitor groundwater-surface water interactions |
| DPM-2 GW | 6308225 | 380529 | - | ✓ | ✓ | - | Keewatin River | Monitor potential changes in water level due to open pit dewatering. Data loggers will likely freeze in winter so may be removed from wells during freezing conditions to reduce potential for damage. |
| DPM-2 SW | 6308222 | 380531 | - | ✓ | ✓ | - | Keewatin River | Monitor groundwater-surface water interactions |
| DPM-3 GW | 6307377 | 380283 | - | ✓ | ✓ | - | Keewatin River | Monitor potential changes in water level due to open pit dewatering. Data loggers will likely freeze in winter so may be removed from wells during freezing conditions to reduce potential for damage. |
| DPM-3 SW | 6307377 | 380283 | - | ✓ | ✓ | - | Keewatin River | Monitor groundwater-surface water interactions |
| DPM-4 GW | 6306242 | 380590 | - | - | - | - | Keewatin River | Drive-point lost, likely destroyed by ice |
| DPM-4 SW | 6306239 | 380585 | - | - | - | - | Keewatin River | Drive-point lost, likely destroyed by ice |
| DPM-5 | 6307397 | 381363 | - | - | - | - | East Pond | East Pond will be part of hydrology monitoring program and data collected as part of that program is sufficient. |
| DPM-6 GW | 6308389 | 384629 | - | ✓ | ✓ | - | Minton Lake | Monitor groundwater-surface water interactions |
| DPM-6 SW | 6308389 | 384629 | - | ✓ | ✓ | - | Minton Lake | Monitor groundwater-surface water interactions. Data loggers will likely freeze in winter so may be removed from wells during freezing conditions to reduce potential for damage. |
| DPM-7 | 6307119 | 381045 | - | - | - | - | South of open pit | Shallow monitor adjacent to open pit, will not be useful for long term monitoring due to predicted drawdown of open pit |
| DPM-8 GW | 6311101 | 383555 | - | ✓ | ✓ | - | Payne Lake | Monitor groundwater-surface water interactions. Data loggers will likely freeze in winter so may be removed from wells during freezing conditions to reduce potential for damage. |
| DPM-8 SW | 6311101 | 383555 | - | ✓ | ✓ | - | Payne Lake | Monitor groundwater-surface water interactions |
| Summary Drive-Point Piezometers | | | 0 | 10 | 8 | 0 | | |

**Table B-1**
**Groundwater Monitoring Plan Summary - MacLellan Site**
**2025 Annual Groundwater Report - MacLellan Site**
**Lynn Lake Gold Project (LLGP)**

| Location ID | NAD1983 UTM Zone 14N | | Total Daily Pumped Volume | Water Level | | Sample (General Chemistry, Nutrients, Dissolved Metals) | Location | Rationale |
|---|---|---|---|---|---|---|---|---|
| | Northings | Eastings | | Manual | Data Logger | | | |
| **Mine Infrastructure** | | | | | | | | |
| Open Pit | - | - | ✓ | - | - | ✓ | Open pit | Confirm dewatering volumes with predicted volumes from EIS/EA, permitting, and/or subsequent iterations of the groundwater flow model |
| TMF/MRSA Sumps | - | - | ✓ | - | - | - | Within MRSA contact water collection ditches | To understand potential portion of collected groundwater seepage from the TMF and/or MRSA. |
| Summary Mine Infrastructure | | | 2 | 0 | 0 | 1 | | |
| **Total Monitoring Points** | | | **2** | **69** | **39** | **32** | | |
| **✓** | | | **2** | **41** | **39** | **23** | | |
| **✓*** | | | **0** | **22** | **0** | **3** | | |
| **✓**** | | | **0** | **2** | **0** | **1** | | |
| **✓***** | | | **0** | **4** | **0** | **5** | | |

***Notes:***

| | |
|---|---|
| ✓ | Monitoring recommended as per rationale. |
| - | Monitoring not recommended. |
| * | Monitor until decommissioning is required to support mine development |
| ** | Monitor until well goes dry due to open pit dewatering, recommence monitoring in closure as open pit is flooded. |
| *** | Monitor is typically dry or frozen at this location, monitoring will only occur if sufficient water in well. |
| **** | Locations to be confirmed based on consultation with Alamos' geotechnical team for the Lynn Lake Gold Project |
| ▨ | Monitoring location decommissioned, damaged, overprinted by mine infrastructure or could not be located |

## Table B-2
## MacLellan Site Well Construction Details
## 2025 Annual Groundwater Report
## Lynn Lake Gold Project (LLGP)

| Well ID | Site | Installation Date | Coordinates | | | Elevation | | | Stick-up | Borehole Depth | Well Diameter | Screened Interval | | | | Screened Material | Screened Unit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Northing | Easting | Source | Ground Surface | Top of Casing | Source | | | | Top of Well Screen | | Bottom of Well Screen | | | |
| | | | | | | m AMSL | m AMSL | | (m AGS) | (m BGS) | (mm) | (m BGS) | (m AMSL) | (m BGS) | (m AMSL) | | |
| **Monitoring Wells** | | | | | | | | | | | | | | | | | |
| MWM-01A | MacLellan | 23-Jun-15 | 6311753 | 385129 | (Stantec Survey, 2015) | 343.40 | 344.08 | (Stantec Survey, 2015) | 0.68 | 15.2 | 51 | 11.90 | 331.50 | 13.40 | 330.00 | Bedrock | Bedrock |
| MWM-01B | MacLellan | 23-Jun-15 | 6311751 | 385128 | (Stantec Survey, 2015) | 343.43 | 344.14 | (Stantec Survey, 2015) | 0.71 | 5.5 | 51 | 2.40 | 341.03 | 5.50 | 337.93 | Silt and Sand | Glaciolacustrine Nearshore |
| MWM-02A | MacLellan | 19-Jun-15 | 6311074 | 383570 | (Stantec Survey, 2015) | 349.70 | 350.64 | (Stantec Survey, 2015) | 0.94 | 6.7 | 51 | 4.60 | 345.10 | 6.70 | 343.00 | Bedrock | Bedrock |
| MWM-02B | MacLellan | 19-Jun-15 | 6311072 | 383569 | (Stantec Survey, 2015) | 349.87 | 350.71 | (Stantec Survey, 2015) | 0.84 | 2.1 | 51 | 1.20 | 348.67 | 2.10 | 347.77 | Sand and Silty Sand | Glaciolacustrine Nearshore |
| MWM-03 | MacLellan | 24-Jun-15 | 6308286 | 384213 | (Stantec Survey, 2015) | 330.57 | 331.73 | (Stantec Survey, 2015) | 1.16 | 16.8 | 51 | 7.00 | 323.57 | 8.50 | 322.07 | Sand and Gravel and Boulders | Glaciolacustrine Nearshore / Glaciofluvial |
| | | | | | | | 331.323 (after 23-Aug-22) | | 0.75 | | | | | | | | |
| MWM-04 | MacLellan | 20-Jun-15 | 6308330 | 380972 | (Stantec Survey, 2015) | 352.79 | 353.71 | (Stantec Survey, 2015) | 0.92 | 5.6 | 51 | 2.50 | 350.29 | 5.60 | 347.19 | Bedrock | Bedrock |
| MWM-05A | MacLellan | 17-Jun-15 | 6308081 | 380571 | (Stantec Survey, 2015) | 333.36 | 334.34 | (Stantec Survey, 2015) | 0.97 | 20.4 | 51 | 17.40 | 315.96 | 20.40 | 312.96 | Bedrock | Bedrock |
| MWM-05B | MacLellan | 17-Jun-15 | 6308084 | 380569 | (Stantec Survey, 2015) | 333.31 | 334.17 | (Stantec Survey, 2015) | 0.86 | 14.5 | 51 | 11.00 | 322.31 | 14.00 | 319.31 | Silty Sand to Sand | Sand Diamicton |
| MWM-06A | MacLellan | 13-Jun-15 | 6307845 | 380177 | (Stantec Survey, 2015) | 332.21 | 333.18 | (Stantec Survey, 2015) | 0.98 | 7.6 | 51 | 4.60 | 327.61 | 7.60 | 324.61 | Bedrock | Bedrock |
| MWM-06B | MacLellan | 13-Jun-15 | 6307848 | 380175 | (Stantec Survey, 2015) | 332.20 | 333.30 | (Stantec Survey, 2015) | 1.10 | 3.5 | 51 | 1.80 | 330.40 | 3.50 | 328.70 | Sand | Glaciolacustrine Nearshore |
| MWM-07A | MacLellan | 20-Jun-15 | 6307697 | 381187 | (Stantec Survey, 2015) | 340.99 | 341.79 | (Stantec Survey, 2015) | 0.79 | 6.7 | 51 | 3.60 | 337.39 | 6.70 | 334.29 | Bedrock | Bedrock |
| MWM-07B | MacLellan | 20-Jun-15 | 6307698 | 381189 | (Stantec Survey, 2015) | 340.93 | 342.24 | (Stantec Survey, 2015) | 1.31 | 2.0 | 51 | 1.00 | 339.93 | 2.00 | 338.93 | Sand | Glaciolacustrine Nearshore |
| MWM-08 | MacLellan | 25-Jul-15 | 6307685 | 380812 | (Stantec Survey, 2015) | 352.63 | 353.53 | (Stantec Survey, 2015) | 0.91 | 9.1 | 51 | 6.10 | 346.53 | 9.10 | 343.53 | Bedrock | Bedrock |
| MWM-09A | MacLellan | 14-Jun-15 | 6307487 | 380634 | (Stantec Survey, 2015) | 342.40 | 343.34 | (Stantec Survey, 2015) | 0.93 | 9.1 | 51 | 6.00 | 336.40 | 9.10 | 333.30 | Bedrock | Bedrock |
| MWM-09B | MacLellan | 14-Jun-15 | 6307487 | 380632 | (Stantec Survey, 2015) | 342.33 | 343.18 | (Stantec Survey, 2015) | 0.86 | 4.6 | 51 | 3.00 | 339.33 | 4.60 | 337.73 | Sand and Gravel | Glaciolacustrine Nearshore |
| MWM-10A | MacLellan | 15-Jun-15 | 6306242 | 380596 | (Stantec Survey, 2015) | 326.45 | 327.34 | (Stantec Survey, 2015) | 0.89 | 12.2 | 51 | 9.10 | 317.35 | 12.20 | 314.25 | Bedrock | Bedrock |
| | | | | | | | 327.13 (After 10-Jul-22) | | 0.68 | | | | | | | | |
| MWM-10B | MacLellan | 15-Jun-15 | 6306244 | 380597 | (Stantec Survey, 2015) | 326.49 | 327.65 | (Stantec Survey, 2015) | 1.16 | 6.7 | 51 | 5.00 | 321.49 | 6.60 | 319.89 | Sand, Cobbles, and Boulders | Glaciolacustrine Nearshore / Glaciofluvial |
| | | | | | | | 327.45 (After 10-Jul-22) | | 0.96 | | | | | | | | |
| MWM-11R | MacLellan | 17-Mar-17 | 6307583 | 381188 | (Golder, 2017c) | - | - | - | 0.99 | 6.3 | 51 | 3.61 | - | 5.13 | - | Bedrock | Bedrock |
| MWM-11S | MacLellan | 17-Mar-17 | 6307583 | 381188 | (Golder, 2017c) | - | - | - | 1.00 | 3.7 | 51 | 1.52 | - | 3.05 | - | Silty Sand to Gravelly Sand | Glaciolacustrine Nearshore / Glaciofluvial |
| MWM-12A | MacLellan | 14-Feb-19 | 6310894 | 382748 | (Alamos Survey, 2019) | 349.22 | 350.08 | (Alamos Survey, 2019) | 0.87 | 15.5 | 51 | 12.50 | 337 | 15.54 | 333.68 | Bedrock | Bedrock |
| MWM-12B | MacLellan | 14-Feb-19 | 6310893 | 382748 | (Alamos Survey, 2019) | 349.26 | 350.04 | (Alamos Survey, 2019) | 0.79 | 5.5 | 51 | 3.96 | 345 | 5.49 | 343.77 | Cobbles/Boulders | Glaciofluvial |
| MWM-13A | MacLellan | 15-Feb-19 | 6310443 | 382150 | (Alamos Survey, 2019) | 348.00 | 348.78 | (Alamos Survey, 2019) | 0.78 | 11.7 | 51 | 8.61 | 339 | 11.66 | 336.34 | Bedrock | Bedrock |
| MWM-13B | MacLellan | 15-Feb-19 | 6310442 | 382150 | (Alamos Survey, 2019) | 347.36 | 348.25 | (Alamos Survey, 2019) | 0.90 | 5.5 | 51 | 3.96 | 343 | 5.49 | 341.87 | Silty Clay and Clay | Glaciolacustrine Offshore |
| MWM-14A | MacLellan | 19-Mar-25 | 6310126 | 384344 | (Stantec Survey, 2025) | 340.08 | 341.11 | (Stantec Survey, 2025) | 1.03 | 18.4 | 51 | 16.46 | 324 | 17.98 | 322.10 | Bedrock | Bedrock |
| MWM-14B | MacLellan | 30-Mar-25 | 6310126 | 384345 | (Stantec Survey, 2025) | 340.27 | 341.13 | (Stantec Survey, 2025) | 0.86 | 6.7 | 51 | 5.18 | 335 | 6.71 | 333.56 | Sand to Silty Sand and Gravel | Glaciolacustrine Nearshore / Glaciofluvial |
| MWM-15A | MacLellan | 12-Feb-25 | 6308151 | 383312 | (Stantec Survey, 2025) | 333.21 | 333.98 | (Stantec Survey, 2025) | 0.76 | 23.6 | 51 | 16.76 | 316 | 18.29 | 314.92 | Sand and Gravel | Sand Diamicton |
| MWM-15B | MacLellan | 13-Feb-25 | 6308151 | 383310 | (Stantec Survey, 2025) | 333.31 | 334.22 | (Stantec Survey, 2025) | 0.91 | 6.7 | 51 | 5.18 | 328 | 6.71 | 326.60 | Silty Sand | Glaciolacustrine Nearshore |
| MWM-16A | MacLellan | 14-Mar-25 | 6308028 | 382384 | (Stantec Survey, 2025) | 332.05 | 332.88 | (Stantec Survey, 2025) | 0.83 | 23.8 | 51 | 18.90 | 313 | 20.42 | 311.63 | Silty Sand | Silty Sand Diamicton |
| MWM-16B | MacLellan | 14-Mar-25 | 6308028 | 382383 | (Stantec Survey, 2025) | 332.09 | 332.86 | (Stantec Survey, 2025) | 0.77 | 6.1 | 51 | 6.10 | 326 | 4.57 | 327.52 | Silty Sand | Glaciolacustrine Nearshore |
| MWM-17 | MacLellan | 27-Jan-25 | 6307367 | 382473 | (Stantec Survey, 2025) | 337.44 | 338.30 | (Stantec Survey, 2025) | 0.86 | 9.2 | 51 | 7.62 | 330 | 9.14 | 328.30 | Bedrock | Bedrock |
| MWM-18 | MacLellan | 8-Mar-25 | 6306387 | 382182 | (Stantec Survey, 2025) | 326.81 | 327.69 | (Stantec Survey, 2025) | 0.88 | 17.2 | 51 | 15.21 | 312 | 16.74 | 310.07 | Bedrock | Bedrock |
| GBHM-01A | MacLellan | 30-Jun-15 | 6307726 | 381419 | (Stantec Survey, 2015) | 334.98 | 336.08 | (Stantec Survey, 2015) | 1.09 | 21.5 | 51 | 18 | 316.98 | 21.05 | 313.93 | Bedrock | Bedrock |
| GBHM-01B | MacLellan | 30-Jun-15 | 6307726 | 381426 | (Stantec Survey, 2015) | 334.97 | 336.07 | (Stantec Survey, 2015) | 1.11 | 10.7 | 51 | 9.15 | 325.82 | 10.67 | 324.30 | Silty Sand | Sand Diamicton |
| GBHM-02A | MacLellan | 30-Jun-15 | 6307354 | 381313 | (Stantec Survey, 2015) | 334.32 | 335.31 | (Stantec Survey, 2015) | 0.99 | 7.7 | 51 | 5.51 | 328.81 | 7.04 | 327.28 | Bedrock | Bedrock |
| GBHM-02B | MacLellan | 30-Jun-15 | 6307354 | 381309 | (Stantec Survey, 2015) | 334.31 | 335.38 | (Stantec Survey, 2015) | 1.07 | 4.0 | 51 | 1.73 | 332.58 | 3.86 | 330.45 | Organics and Clayey Silt | Organics / Glaciolacustrine Offshore |
| GBHM-03A | MacLellan | 29-Jun-15 | 6307082 | 380699 | (Stantec Survey, 2015) | 336.67 | 337.81 | (Stantec Survey, 2015) | 1.14 | 9.4 | 51 | 7.22 | 329.45 | 8.74 | 327.93 | Bedrock | Bedrock |
| GBHM-03B | MacLellan | 29-Jun-15 | 6307076 | 380703 | (Stantec Survey, 2015) | 336.50 | 337.52 | (Stantec Survey, 2015) | 1.01 | 4.7 | 51 | 1.65 | 334.85 | 4.7 | 331.80 | Silty Sand | Glaciolacustrine Nearshore |
| GBHM-04 | MacLellan | 27-Jun-15 | 6307063 | 380409 | (Stantec Survey, 2015) | 339.55 | 340.55 | (Stantec Survey, 2015) | 1.00 | 3.1 | 51 | 0.91 | 338.64 | 2.44 | 337.11 | Bedrock | Bedrock |
| GBHM-05A | MacLellan | 27-Jun-15 | 6307184 | 380313 | (Stantec Survey, 2015) | 332.20 | 333.10 | (Stantec Survey, 2015) | 0.90 | 9.1 | 51 | 7.62 | 324.58 | 9.14 | 323.06 | Bedrock | Bedrock |
| GBHM-05B | MacLellan | 27-Jun-15 | 6307186 | 380313 | (Stantec Survey, 2015) | 332.25 | 333.13 | (Stantec Survey, 2015) | 0.88 | 5.4 | 51 | 2.34 | 329.91 | 5.38 | 326.87 | Sand and Silt | Sand Diamicton |
| GBHM-06A | MacLellan | 27-Jun-15 | 6307643 | 380575 | (Stantec Survey, 2015) | 343.02 | 343.90 | (Stantec Survey, 2015) | 0.87 | 4.7 | 51 | 2.82 | 340.20 | 4.34 | 338.68 | Bedrock | Bedrock |
| GBHM-06B | MacLellan | 27-Jun-15 | 6307643 | 380573 | (Stantec Survey, 2015) | 342.94 | 343.82 | (Stantec Survey, 2015) | 0.88 | 1.5 | 51 | 0.76 | 342.18 | 1.52 | 341.42 | Silty Sand | Sand Diamicton |
| GBHM-07 | MacLellan | 19-Jul-15 | 6309928 | 381518 | (Stantec Survey, 2015) | 344.76 | 345.93 | (Stantec Survey, 2015) | 1.16 | 18.0 | 51 | 4.58 | 340.18 | 6.10 | 338.66 | Clayey Silt and Silty Sand | Glaciolacustrine Offshore / Diamicton |
| GBHM-08 | MacLellan | 18-Jul-15 | 6309118 | 382073 | (Stantec Survey, 2015) | 348.52 | 349.56 | (Stantec Survey, 2015) | 1.04 | 4.5 | 51 | 3.05 | 345.47 | 4.52 | 344.00 | Bedrock | Bedrock |
| GBHM-09A | MacLellan | 18-Jul-15 | 6308247 | 381463 | (Stantec Survey, 2015) | 347.80 | 348.67 | (Stantec Survey, 2015) | 0.86 | 5.0 | 51 | 3.51 | 344.29 | 4.73 | 343.07 | Bedrock | Bedrock |
| GBHM-09B | MacLellan | 18-Jul-15 | 6308246 | 381465 | (Stantec Survey, 2015) | 347.80 | 348.78 | (Stantec Survey, 2015) | 0.98 | 1.8 | 51 | 0.91 | 346.89 | 1.83 | 345.97 | Sand and Gravel | Sand Diamicton |
| GBHM-10A | MacLellan | 27-Jun-15 | 6307862 | 381351 | (Stantec Survey, 2015) | 339.46 | 340.45 | (Stantec Survey, 2015) | 0.99 | 7.9 | 51 | 4.57 | 334.89 | 7.62 | 331.84 | Bedrock | Bedrock |
| GBHM-10B | MacLellan | 27-Jun-15 | 6307861 | 381353 | (Stantec Survey, 2015) | 339.49 | 340.51 | (Stantec Survey, 2015) | 1.02 | 3.4 | 51 | 0.92 | 338.57 | 3.35 | 336.14 | Silty Sand | Sand Diamicton |
| GBHM-11A | MacLellan | 26-Jun-15 | 6307873 | 380660 | (Stantec Survey, 2015) | 345.23 | 346.20 | (Stantec Survey, 2015) | 0.98 | 5.3 | 51 | 3.58 | 341.65 | 5.11 | 340.12 | Bedrock | Bedrock |
| GBHM-11B | MacLellan | 26-Jun-15 | 6307874 | 380661 | (Stantec Survey, 2015) | 345.30 | 346.24 | (Stantec Survey, 2015) | 0.93 | 1.7 | 51 | 0.75 | 344.55 | 1.68 | 343.62 | Sand | Glaciolacustrine Nearshore |
| GBHM-12 | MacLellan | 17-Jul-15 | 6309100 | 380946 | (Stantec Survey, 2015) | 339.92 | 340.95 | (Stantec Survey, 2015) | 1.04 | 7.6 | 51 | 4.57 | 335.35 | 7.62 | 332.30 | Bedrock | Bedrock |
| GBHM-13A | MacLellan | 10-Jul-15 | 6308726 | 383577 | (Stantec Survey, 2015) | 343.07 | 344.21 | (Stantec Survey, 2015) | 1.13 | 7.7 | 51 | 3.96 | 339.11 | 7.01 | 336.06 | Bedrock | Bedrock |
| GBHM-13B | MacLellan | 10-Jul-15 | 6308725 | 383580 | (Stantec Survey, 2015) | 343.08 | 344.17 | (Stantec Survey, 2015) | 1.09 | 3.1 | 51 | 1.50 | 341.58 | 3.10 | 339.98 | Silty Clay, Silty Sand, Clayey Sand | Glaciolacustrine Offshore / Sand Diamicton |
| GBHM-14 | MacLellan | 16-Jul-15 | 6308614 | 384112 | (Stantec Survey, 2015) | 335.98 | 336.95 | (Stantec Survey, 2015) | 0.98 | 29.0 | 51 | 16.01 | 319.97 | 17.54 | 318.44 | Silty Sand, Gravelly Sand | Sand Diamicton |
| GBHM-15 | MacLellan | 13-Jul-15 | 6308891 | 384758 | (Stantec Survey, 2015) | 339.47 | 340.42 | (Stantec Survey, 2015) | 0.96 | 6.6 | 51 | 3.51 | 335.96 | 6.55 | 332.92 | Bedrock | Bedrock |
| GBHM-18 | MacLellan | 27-Jun-15 | 6311189 | 386027 | (Stantec Survey, 2015) | 340.17 | 341.11 | (Stantec Survey, 2015) | 0.94 | 19.8 | 51 | 16.76 | 323.41 | 19.81 | 320.36 | Bedrock | Bedrock |
| GBHM-19 | MacLellan | 25-Jul-15 | 6311097 | 385143 | (Stantec Survey, 2015) | 346.88 | 352.98 | (Stantec Survey, 2015) | 6.10 | 6.1 | 51 | 3.05 | 343.83 | 6.10 | 340.78 | Bedrock | Bedrock |
| GBHM-20 | MacLellan | 21-Jul-15 | 6310662 | 384056 | (Stantec Survey, 2015) | 351.19 | 352.19 | (Stantec Survey, 2015) | 1.00 | 5.0 | 51 | 1.98 | 349.21 | 5.03 | 346.16 | Bedrock | Bedrock |
| GBHM-21 | MacLellan | 24-Jul-15 | 6309818 | 383724 | (Stantec Survey, 2016) | 353.02 | 353.96 | (Stantec Survey, 2016) | 0.94 | 4.6 | 51 | 1.52 | 351.50 | 4.58 | 348.44 | Bedrock | Bedrock |

# Table B-2
# MacLellan Site Well Construction Details
# 2025 Annual Groundwater Report
# Lynn Lake Gold Project (LLGP)

| Well ID | Site | Installation Date | Coordinates | | | Elevation | | | Stick-up | Borehole Depth | Well Diameter | Screened Interval | | | | Screened Material | Screened Unit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Northing | Easting | Source | Ground Surface m AMSL | Top of Casing m AMSL | Source | (m AGS) | (m BGS) | (mm) | Top of Well Screen | | Bottom of Well Screen | | | |
| | | | | | | | | | | | | (m BGS) | (m AMSL) | (m BGS) | (m AMSL) | | |
| GBHM-22A | MacLellan | 15-Jul-15 | 6309582 | 384968 | (Stantec Survey, 2016) | 338.05 | 339.02<br>338.63 (after 23-Aug-22) | (Stantec Survey, 2016) | 0.58 | 13.0 | 51 | 9.91 | 328.14 | 12.95 | 325.10 | Bedrock | Bedrock |
| GBHM-22B | MacLellan | 15-Jul-15 | 6309584 | 384966 | (Stantec Survey, 2016) | 338.01 | 339.01 | (Stantec Survey, 2016) | 1.00 | 7.9 | 51 | 3.88 | 334.13 | 7.90 | 330.11 | Silty Sand | Glaciolacustrine Nearshore |
| GBHM-23A | MacLellan | 16-Jul-15 | 6310353 | 384892 | (Stantec Survey, 2016) | 339.21 | 340.26 | (Stantec Survey, 2016) | 1.05 | 14.9 | 51 | 11.89 | 327.32 | 14.94 | 324.27 | Bedrock | Bedrock |
| GBHM-23B | MacLellan | 16-Jul-15 | 6310352 | 384895 | (Stantec Survey, 2016) | 339.23 | 340.26 | (Stantec Survey, 2016) | 1.03 | 9.5 | 51 | 6.45 | 332.78 | 9.45 | 329.78 | Silty Sand | Glaciolacustrine Offshore / Sand Diamicton |
| GBHM-16-01R | MacLellan | 24-Jul-16 | 6307421 | 380329 | (Golder, 2017b) | 330.90 | 332.10 | (Golder, 2017b) | 1.20 | 7.7 | 51 | 5.18 | 325.72 | 6.71 | 324.19 | Bedrock | Bedrock |
| GBHM-16-01S | MacLellan | 24-Jul-16 | 6307419 | 380328 | (Golder, 2017b) | 330.79 | 331.99 | (Golder, 2017b) | 1.20 | 3.7 | 51 | 1.68 | 329.11 | 3.20 | 327.59 | Sand | Glaciolacustrine Nearshore |
| GBHM-16-02R | MacLellan | 25-Jul-16 | 6307240 | 380313 | (Golder, 2017b) | 331.59 | 332.66 | (Golder, 2017b) | 1.07 | 10.6 | 51 | 8.53 | 323.06 | 10.06 | 321.53 | Bedrock | Bedrock |
| GBHM-16-02S | MacLellan | 25-Jul-16 | 6307236 | 380314 | (Golder, 2017b) | 330.82 | 331.81 | (Golder, 2017b) | 0.99 | 5.8 | 51 | 4.27 | 326.56 | 5.79 | 325.03 | Sand | Glaciolacustrine Nearshore |
| GBHM-16-03R | MacLellan | 24-Mar-17 | 6308741 | 384139 | (Golder, 2017d) | 362.69 | 363.94 | (Golder, 2017d) | 1.25 | 29.5 | 51 | 25.65 | 337.04 | 27.18 | 335.51 | Bedrock | Bedrock |
| GBHM-16-03S | MacLellan | 24-Mar-17 | 6308741 | 384139 | (Golder, 2017d) | 362.69 | 364.12 | (Golder, 2017d) | 1.43 | 13.6 | 51 | 11.89 | 350.80 | 13.41 | 349.28 | Silty Sand | Sand Diamicton |
| GBHM-16-04R | MacLellan | 23-Mar-17 | 6308989 | 384769 | (Golder, 2017d) | 342.39 | 343.47 | (Golder, 2017d) | 1.08 | 7.8 | 51 | 3.29 | 339.10 | 4.81 | 337.58 | Bedrock | Bedrock |
| GBHM-16-04S | MacLellan | 23-Mar-17 | 6308989 | 384769 | (Golder, 2017d) | 342.39 | 343.58 | (Golder, 2017d) | 1.19 | 2.3 | 51 | 0.69 | 341.70 | 1.60 | 340.79 | Silty Sand | Glaciolacustrine Nearshore |
| GBHM-16-06 | MacLellan | 29-Sep-16 | 6310032 | 384937 | (Golder, 2017b) | 351.00 | 352.09 | (Golder, 2017b) | 1.09 | 31.7 | 51 | 30.18 | 320.82 | 31.70 | 319.30 | Bedrock | Bedrock |
| GBHM-16-08R | MacLellan | 21-Apr-17 | 6308843 | 381448 | (Golder, 2017b) | 356.00 | - | (Golder, 2017b) | - | 25.5 | 51 | 22.58 | - | 24.11 | - | Bedrock | Bedrock |
| GBHM-16-08S | MacLellan | 21-Apr-17 | 6308843 | 381448 | (Golder, 2017b) | 356.00 | - | (Golder, 2017b) | - | 15.4 | 51 | 13.89 | - | 15.42 | - | Sand to Gravelly Sand | Glaciolacustrine Nearshore / Glaciofluvial |
| GBHM-16-09 | MacLellan | 21-Apr-17 | 6308500 | 381488 | (Golder, 2017b) | 351.00 | 352.14 | (Golder, 2017b) | 1.14 | 3.9 | 51 | 2.33 | - | 3.85 | - | Bedrock | Bedrock |
| GBHM-17-01R | MacLellan | 26-Mar-17 | 6305114 | 378631 | (Golder, 2017c) | 352.00 | 352.99 | (Golder, 2017c) | 0.99 | 4.2 | 51 | 2.06 | 349.94 | 3.58 | 348.42 | Bedrock | Bedrock |
| GBHM-17-02R | MacLellan | 27-Mar-17 | 6304685 | 378489 | (Golder, 2017c) | 353.00 | 353.98 | (Golder, 2017c) | 0.98 | 12.9 | 51 | 10.30 | 342.70 | 11.82 | 341.18 | Bedrock | Bedrock |
| GBHM-17-02S | MacLellan | 27-Mar-17 | 6304685 | 378489 | (Golder, 2017c) | 353.00 | 353.86 | (Golder, 2017c) | 0.86 | 4.6 | 51 | 2.74 | 350.26 | 4.27 | 348.73 | Sand | Glaciolacustrine Nearshore / Glaciofluvial |
| GBHM-17-03R | MacLellan | 23-Mar-17 | 6306790 | 381276 | (Golder, 2017c) | 334.50 | 335.51 | (Golder, 2017c) | 1.01 | 4.9 | 51 | 2.80 | 331.70 | 4.32 | 330.18 | Bedrock | Bedrock |
| GBHM-17-04R | MacLellan | 22-Mar-17 | 6306421 | 380953 | (Golder, 2017c) | 328.50 | 329.53 | (Golder, 2017c) | 1.03 | 5.6 | 51 | 3.71 | 324.79 | 5.23 | 323.27 | Bedrock | Bedrock |
| GBHM-17-05R | MacLellan | 27-Mar-17 | 6306234 | 383261 | (Golder, 2017c) | 336.00 | 336.84 | (Golder, 2017c) | 0.84 | 8.3 | 51 | 6.00 | 330.00 | 7.52 | 328.48 | Bedrock | Bedrock |
| GBHM-17-05S | MacLellan | 27-Mar-17 | 6306234 | 383261 | (Golder, 2017c) | 336.00 | 336.90 | (Golder, 2017c) | 0.90 | 4.5 | 51 | 2.44 | 333.56 | 3.96 | 332.04 | Silty Sand to Sand and Gravel | Glaciolacustrine Nearshore |
| GBHM-17-06R | MacLellan | 28-Mar-17 | 6306365 | 383816 | (Golder, 2017c) | 331.50 | 332.39 | (Golder, 2017c) | 0.89 | 9.0 | 51 | 6.83 | 324.67 | 8.36 | 323.14 | Bedrock | Bedrock |
| GBHM-17-06S | MacLellan | 28-Mar-17 | 6306365 | 383816 | (Golder, 2017c) | 331.50 | 332.40 | (Golder, 2017c) | 0.90 | 4.9 | 51 | 3.05 | 328.45 | 4.57 | 326.93 | Sand and Silt | Glaciolacustrine Nearshore |
| BH18-01B | MacLellan | 12-Jan-19 | 6309029 | 381953 | (Alamos Survey, 2019) | 345.67 | 346.62 | (Alamos Survey, 2019) | 0.95 | 9.4 | 51 | 4.81 | 340.86 | 9.40 | 336.27 | Bedrock | Bedrock |
| BH18-01S | MacLellan | 12-Jan-19 | 6309030 | 381955 | (Alamos Survey, 2019) | 345.68 | 346.49 | (Alamos Survey, 2019) | 0.81 | 4.6 | 51 | 2.18 | 343.50 | 4.62 | 341.06 | Sitly Sand and Gravel | Glaciolacustrine Nearshore |
| BH18-02 | MacLellan | 7-Feb-19 | 6309098 | 382812 | (Alamos Survey, 2019) | 358.29 | 358.95 | (Alamos Survey, 2019) | 0.66 | 6.2 | 51 | 1.60 | 356.69 | 6.17 | 352.12 | Bedrock | Bedrock |
| BH18-03 | MacLellan | 10-Feb-19 | 6309360 | 383308 | (Alamos Survey, 2019) | 359.39 | 360.32 | (Alamos Survey, 2019) | 0.93 | 5.4 | 51 | 2.36 | 357.03 | 5.40 | 353.99 | Bedrock | Bedrock |
| BH18-04B | MacLellan | 8-Feb-19 | 6309902 | 383518 | (Alamos Survey, 2019) | 357.39 | 358.09 | (Alamos Survey, 2019) | 0.70 | 8.7 | 51 | 5.69 | 352 | 8.74 | 348.65 | Bedrock | Bedrock |
| BH18-04S | MacLellan | 8-Feb-19 | 6309902 | 383517 | (Alamos Survey, 2019) | 357.57 | 358.47 | (Alamos Survey, 2019) | 0.90 | 3.2 | 51 | 1.42 | 356 | 2.95 | 354.62 | Sand to Sand and Gravel/Gravel | Glaciolacustrine Nearshore/Glaciofluvial |
| BH18-05 | MacLellan | 25-Jan-19 | 6310533 | 383638 | (Alamos Survey, 2019) | 358.82 | 359.81 | (Alamos Survey, 2019) | 0.99 | 6.3 | 51 | 1.75 | 357 | 6.32 | 352.50 | Bedrock | Bedrock |
| BH18-06 | MacLellan | 18-Jan-19 | 6310674 | 383066 | (Alamos Survey, 2019) | 356.69 | 357.45 | (Alamos Survey, 2019) | 0.76 | 6.2 | 51 | 1.09 | 356 | 5.87 | 350.82 | Bedrock | Bedrock |
| BH18-07 | MacLellan | 18-Jan-19 | 6310366 | 382425 | (Alamos Survey, 2019) | 366.27 | 367.31 | (Alamos Survey, 2019) | 1.04 | 6.3 | 51 | 1.22 | 365 | 5.79 | 360.48 | Bedrock | Bedrock |
| BH18-08B | MacLellan | 11-Jan-19 | 6308185 | 381900 | (Alamos Survey, 2019) | 335.91 | 336.90 | (Alamos Survey, 2019) | 0.99 | 6.4 | 51 | 3.86 | 332 | 6.35 | 329.56 | Bedrock | Bedrock |
| BH18-08S | MacLellan | 10-Jan-19 | 6308186 | 381903 | (Alamos Survey, 2019) | 335.85 | 336.78 | (Alamos Survey, 2019) | 0.93 | 3.1 | 51 | 1.54 | 334 | 3.12 | 332.73 | Sand and Silt | Glaciolacustrine Nearshore |
| BH18-09B | MacLellan | 11-Feb-19 | 6308504 | 382916 | (Alamos Survey, 2019) | 342.83 | 343.71 | (Alamos Survey, 2019) | 0.88 | 10.0 | 51 | 7.39 | 335 | 10.00 | 332.83 | Bedrock | Bedrock |
| BH18-09S | MacLellan | 11-Feb-19 | 6308505 | 382916 | (Alamos Survey, 2019) | 342.97 | 344.03 | (Alamos Survey, 2019) | 1.06 | 4.5 | 51 | 1.45 | 342 | 4.50 | 338.47 | Silty Sand to Sandy Gravel | Sand Diamicton |
| **Drive-Point Piezometers** | | | | | | | | | | | | | | | | | |
| DPM-1 | MacLellan | 13-Jun-15 | 6309936 | 385841 | (Stantec Survey, 2016) | 336.46 | 337.13 | (Stantec Survey, 2016) | 0.67 | 1.9 | 25 | 1.46 | 335.00 | 1.89 | 334.57 | - | - |
| DPM-2 | MacLellan | 13-Jun-15 | 6308225 | 380529 | (Stantec Survey, 2015) | 332.80 | 333.56 | (Stantec Survey, 2015) | 0.76 | 1.8 | 25 | 1.37 | 331.43 | 1.80 | 331.00 | - | - |
| DPM-2 SW | MacLellan | 28-Jul-15 | 6308222 | 380531 | (Stantec Survey, 2015) | 331.87 | 332.65 | (Stantec Survey, 2015) | 0.78 | - | - | - | - | - | - | - | - |
| DPM-3 | MacLellan | 13-Jun-15 | 6307377 | 380283 | (Stantec Survey, 2015) | 329.49 | 330.74 | (Stantec Survey, 2015) | 1.25 | 1.3 | 25 | 0.88 | 328.61 | 1.31 | 328.18 | - | - |
| DPM-3 SW | MacLellan | 28-Jul-15 | - | - | - | n/a | n/a | n/a | 0.42 | - | - | - | - | - | - | - | - |
| DPM-4 | MacLellan | 13-Jun-15 | 6306242 | 380590 | (Stantec Survey, 2015) | 326.58 | 327.61 | (Stantec Survey, 2015) | 1.03 | 1.5 | 25 | 1.10 | 325.48 | 1.53 | 325.05 | - | - |
| DPM-4 SW | MacLellan | 28-Jul-15 | 6306239 | 380585 | (Stantec Survey, 2015) | 325.75 | 326.46 | (Stantec Survey, 2015) | 0.71 | - | - | - | - | - | - | - | - |
| DPM-5 | MacLellan | 13-Jun-15 | 6307397 | 381363 | (Stantec Survey,2016) | 333.80 | 334.24 | (Stantec Survey, 2016) | 0.43 | 2.1 | 25 | 1.70 | 332.11 | 2.13 | 331.68 | - | - |
| DPM-6 | MacLellan | 13-Jun-15 | 6308389 | 384629 | (Stantec Survey, 2015) | 330.10 | 331.31 | (Stantec Survey, 2015) | 1.21 | 1.4 | 25 | 0.92 | 329.18 | 1.35 | 328.75 | - | - |
| DPM-6 SW | MacLellan | 13-Jun-15 | 6308389 | 384629 | (Stantec Survey, 2015) | 330.10 | 331.31 | (Stantec Survey, 2015) | 1.21 | - | - | - | - | - | - | - | - |
| DPM-7 | MacLellan | 13-Jun-15 | 6307119 | 381045 | (Stantec Survey, 2015) | 334.05 | 334.75 | (Stantec Survey, 2015) | 0.69 | 1.9 | 25 | 1.44 | 332.62 | 1.87 | 332.19 | - | - |
| DPM-8 | MacLellan | 5-Jul-19 | 6311102 | 383556 | (Alamos Survey, 2019) | 348.39 | 349.81 | (Alamos Survey, 2019) | 1.42 | 1.3 | 25 | 0.87 | 347.52 | 1.30 | 347.09 | - | - |
| DPM-8 SW | MacLellan | 5-Jul-19 | 6311102 | 383556 | (Alamos Survey, 2019) | 348.39 | 349.81 | (Alamos Survey, 2019) | 1.42 | - | - | - | - | - | - | - | - |

***Notes:***

| | |
|---|---|
| n/a: | not available |
| m AGS: | metres above ground surface |
| m BGS: | metres below ground surface |
| m AMSL: | metres above mean sea level |
| ▨ | Monitoring location decommissioned, damaged, overprinted by mine infrastructure or could not be located |
| SW | surface water measured from staff gauge |
| | Northing and Easting Coordinates presented as UTM NAD 83 Zone 14 |

**Table B-3**
**Manual Groundwater Level Monitoring Summary - MacLellan Site**
**2025 Annual Groundwater Report**
**Lynn Lake Gold Project (LLGP)**

| Location ID | Date | Manual Groundwater Elevation (m AMSL) | 2025 Monitoring Comment |
|---|---|---|---|
| **Monitoring Wells** | | | |
| GBHM-01A | 11/1/2025 | 328.73 | |
| GBHM-01B | 11/1/2025 | 333.02 | |
| GBHM-02A | 11/2/2025 | 333.79 | |
| GBHM-02B | 11/2/2025 | 333.96 | |
| GBHM-03A | 10/31/2025 | 336.59 | |
| GBHM-03B | 10/31/2025 | 336.38 | |
| GBHM-05A | 10/31/2025 | 330.86 | |
| GBHM-05B | 10/31/2025 | 330.80 | |
| GBHM-07 | 10/31/2025 | 344.17 | |
| GBHM-10A | 11/1/2025 | 337.04 | |
| GBHM-10B | 11/1/2025 | 337.13 | |
| GBHM-11A | 10/31/2025 | 343.66 | |
| GBHM-11B | 10/31/2025 | 343.85 | |
| GBHM-12 | 10/31/2025 | 339.84 | |
| GBHM-13A | 11/1/2025 | 342.99 | |
| GBHM-13B | 11/1/2025 | 342.76 | |
| GBHM-15 | 11/29/2025 | 338.73 | |
| GBHM-18 | 10/30/2025 | 340.07 | |
| GBHM-19 | 10/30/2025 | - | Dry |
| GBHM-20 | 10/30/2025 | 347.59 | |
| GBHM-21 | 10/30/2025 | 350.55 | |
| GBHM-22A | 10/29/2025 | 337.74 | |
| GBHM-22B | 10/29/2025 | 337.78 | |
| GBHM-16-01R | 10/31/2025 | - | Well damaged |
| GBHM-16-01S | 10/31/2025 | 330.02 | |
| GBHM-16-02R | 10/31/2025 | 330.30 | |
| GBHM-16-02S | 10/31/2025 | 328.88 | |
| GBHM-16-03R | 10/29/2025 | - | Frozen |
| GBHM-16-03S | 10/29/2025 | - | Frozen |
| GBHM-16-04R | 10/29/2025 | 341.79* | |
| GBHM-16-04S | 10/29/2025 | 341.56* | |
| GBHM-16-06 | 10/29/2025 | 346.58 | |
| GBHM-17-02R | 11/1/2025 | 350.63 | |
| GBHM-17-02S | 11/1/2025 | 350.66 | |
| GBHM-17-03R | 10/31/2025 | 330.30 | |
| GBHM-17-04R | 10/31/2025 | 326.11 | |
| GBHM-17-05R | 11/1/2025 | 335.62 | |
| GBHM-17-05S | 11/1/2025 | 335.51 | |
| MWM-01A | 10/30/2025 | 343.77 | |
| MWM-02A | 10/30/2025 | 349.65 | |
| MWM-02B | 10/30/2025 | 348.74 | |
| MWM-03 | 11/1/2025 | 330.12 | |
| MWM-05A | 11/1/2025 | 332.39 | |
| MWM-05B | 11/1/2025 | 332.04 | |
| MWM-06A | 10/31/2025 | - | Frozen |
| MWM-06B | 10/31/2025 | 331.15 | |
| MWM-10A | 10/31/2025 | 327.03 | |
| MWM-10B | 10/31/2025 | 326.12 | |
| MWM-12A | 10/31/2025 | 348.35 | |
| MWM-12B | 10/31/2025 | - | Frozen |
| **Monitoring Wells (continued)** | | | |
| MWM-13A | 10/31/2025 | 348.15 | |
| MWM-13B | 10/31/2025 | 347.49 | |
| MWM-14A | 10/30/2025 | - | Frozen |
| MWM-14B | 10/30/2025 | 339.27 | |
| MWM-15A | 10/30/2025 | 333.26 | |
| MWM-15B | 10/30/2025 | 333.05 | |
| MWM-16A | 10/30/2025 | 331.58 | |
| MWM-16B | 10/30/2025 | 331.54 | |
| MWM-17 | 10/30/2025 | 336.49 | |
| MWM-18 | 10/30/2025 | 326.67 | |
| **Drive-Point Piezometers** | | | |
| DPM-1 GW | 10/30/2025 | 336.34 | |
| DPM-1 SW | 10/30/2025 | - | Dry |
| DPM-2 GW | 11/1/2025 | 331.91 | |
| DPM-2 SW | 11/1/2025 | 332.86 | |
| DPM-3 GW | 10/31/2025 | 329.15 | |
| DPM-3 SW | 10/31/2025 | 329.14 | |
| DPM-6 GW | 10/30/2025 | 330.12 | |
| DPM-6 SW | 10/30/2025 | 330.19 | |
| DPM-8 GW | 10/30/2025 | 347.49 | |
| DPM-8 SW | 10/30/2025 | 347.37 | |

***Notes:***

* Monitoring well casings not labeled. Correct water level locations will be confirmed on a future field visit.

# Table 4
## Summary of Groundwater Analytical Results - MacLellan
## Baseline Study - Lynn Lake Gold Project
## Alamos Gold Inc

| Sample Location | | | | | | GBHM-05A | GBHM-05B | GBHM-07 | | | GBHM-11A | GBHM-12 | GBHM-13A | GBHM-13B | GBHM-15 | GBHM-18 | GBHM-20 | GBHM-21 | GBHM-22A | GBHM-22B | MWM-02A | MWM-03 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Date | | | | | | 31-Oct-25 | 31-Oct-25 | 31-Oct-25 | 31-Oct-25 | | 31-Oct-25 | 31-Oct-25 | 1-Nov-25 | 1-Nov-25 | 29-Oct-25 | 30-Oct-25 | 30-Oct-25 | 30-Oct-25 | 29-Oct-25 | 29-Oct-25 | 30-Oct-25 | 1-Nov-25 |
| Sample ID | | | | | | GBHM-05A | GBHM-05B | GBHM -07 | Field Dup - 03 | | GBHM-11A | GBHM-12 | GBHM-13A | GBHM-13B | GBHM-15 | GBHM-18 | GBHM-20 | GBHM-21 | GBHM-22A | GBHM-22B | MWM-02A | MWM-03 |
| Sampling Company | | | | | | STANTEC | STANTEC | STANTEC | STANTEC | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | | ALS | ALS | ALS | ALS | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | | WP2519475 | WP2519475 | WP2519475 | WP2519475 | | WP2519475 | WP2519475 | WP2519475 | WP2519475 | WP2519183 | WP2519183 | WP2519183 | WP2519183 | WP2519183 | WP2519183 | WP2519183 | WP2519475 |
| Laboratory Sample ID | | | | | | WP2519475-003 | WP2519475-004 | WP2519475-020 | WP2519475-016 | RPD (%) | WP2519475-005 | WP2519475-002 | WP2519475-006 | WP2519475-007 | WP2519183-003 | WP2519183-005 | WP2519183-006 | WP2519183-004 | WP2519183-001 | WP2519183-002 | WP2519183-007 | WP2519475-008 |
| Sample Type | Units | MSOG | CWQG-FAL | CDQWG | MOE GW3 | | | | Field Duplicate | | | | | | | | | | | | | |
| **General Chemistry** | | | | | | | | | | | | | | | | | | | | | | |
| Alkalinity (P as CaCO3) | mg/L | n/v | n/v | n/v | n/v | <1.0 | <1.0 | 3.2 | 2.3 | nc | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | n/v | n/v | n/v | n/v | 120 | 23.7 | 175 | 175 | 0% | 31.5 | 106 | 119 | 81.1 | 88.7 | 158 | 23.3 | 60.3 | 289 | 300 | 92.4 | 132 |
| Alkalinity, Carbonate (as CaCO3) | mg/L | n/v | n/v | n/v | n/v | <1.0 | <1.0 | 6.4 | 4.6 | nc | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | n/v | n/v | n/v | n/v | <1.0 | <1.0 | <1.0 | <1.0 | nc | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Alkalinity, Total (as CaCO3) | mg/L | n/v | n/v | n/v | n/v | 120 | 23.7 | 182 | 180 | 1% | 31.5 | 106 | 119 | 81.1 | 88.7 | 158 | 23.3 | 60.3 | 289 | 300 | 92.4 | 132 |
| Ammonia (as N) | mg/L | Equation*$^{C}$ | Table$_{2}^{D}$ | n/v | n/v | 0.361 | 0.0597 | 0.0246 | 0.0157 | nc | 0.0167 | 0.0629 | 0.0132 | 0.0415 | 0.0925 | 0.153 | 0.0634 | 0.140 | 2.20 | 2.23 | 0.0095 | 0.0382 |
| Chloride | mg/L | ≤250$^{A}$ | 120$^{D}$ | ≤250$^{E}$ | 1,800$^{G}$ | 2.03 | 2.94 | 0.54 | 0.54 | 0% | 6.09 | 0.13 | 0.18 | <0.10 | 0.52 | 0.26 | 0.44 | 1.01 | 0.34 | 0.31 | 1.23 | 0.35 |
| Cyanide | mg/L | 0.2$^{B}$ | n/v | 0.2$^{F}$ | 0.052$^{G}$ | <0.0010 | <0.0010 | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Free) | mg/L | 0.0052$^{C}$ | 0.005$^{D}$ | 0.2$^{F}$ | 0.052$^{G}$ | <0.0010 | 0.0014 | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Weak Acid Dissociable) | mg/L | n/v | n/v | n/v | 0.052$^{G}$ | <0.0010 | 0.0014 | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Electrical Conductivity, Lab | µmhos/cm | n/v | n/v | n/v | n/v | 223 | 134 | 393 | 389 | 1% | 334 | 186 | 220 | 154 | 183 | 285 | 59.2 | 132 | 495 | 511 | 190 | 226 |
| Fluoride | mg/L | 1.5$^{B}$ | 0.12$^{D}$ | 1.5$^{F}$ | n/v | **0.144**$^{D}$ | 0.106 | **0.288**$^{D}$ | **0.290**$^{D}$ | 1% | 0.047 | 0.035 | 0.047 | 0.044 | **0.197**$^{D}$ | **0.244**$^{D}$ | 0.030 | 0.061 | **0.151**$^{D}$ | **0.141**$^{D}$ | 0.035 | **0.456**$^{D}$ |
| Hardness (as CaCO3) | mg/L | n/v | n/v | n/v | n/v | 119 | 55.8 | 135 | 141 | 4% | 163 | 122 | 116 | 95.9 | 24.9 | 132 | 27.6 | 65.7 | 250 | 270 | 107 | 122 |
| Nitrate (as N) | mg/L | 10$^{B}$ | n/v | 10$^{F}$ | n/v | <0.0050 | 0.0673 | 0.171 | 0.151 | 12% | 0.0537 | 0.0062 | 0.0058 | <0.0050 | 0.0604 | <0.0050 | 0.0395 | 0.173 | <0.0050 | <0.0050 | 0.0290 | <0.0050 |
| Nitrate + Nitrite (as N) | mg/L | 10$_{s6}^{B}$ | n/v | n/v | n/v | <0.0051 | 0.0673 | 0.171 | 0.151 | 12% | 0.0537 | 0.00620 | 0.00580 | <0.0051 | 0.0604 | <0.0051 | 0.0395 | 0.174 | <0.0051 | <0.0051 | 0.0290 | <0.0051 |
| Nitrite (as N) | mg/L | 0.06$^{C}$ | 0.06$^{D}$ | 1$^{F}$ | n/v | <0.0010 | <0.0010 | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0012 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| pH, lab | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{D}$ | 7.0-10.5$^{E}$ | n/v | 7.09 | **6.73**$^{E}$ | 8.36 | 8.32 | 0% | 7.13 | 7.26 | 8.13 | 7.15 | 8.04 | 8.17 | 7.01 | 7.62 | 7.88 | 7.77 | 7.88 | 8.22 |
| Phosphorus, Total | mg/L | 0.025$^{C}$ | Narrative$^{D}$ | n/v | n/v | **0.202**$^{C}$ | 0.0170 | **0.186**$^{C}$ | **0.182**$^{C}$ | 2% | 0.0030 | **0.0533**$^{C}$ | 0.0064 | **0.359**$^{C}$ | **0.326**$^{C}$ | **0.0439**$^{C}$ | **0.0493**$^{C}$ | **0.0310**$^{C}$ | **0.369**$^{C}$ | **0.476**$^{C}$ | 0.0055 | 0.0210 |
| Sulfate | mg/L | ≤500$^{A}$ | n/v | ≤500$_{i}^{E}$ | n/v | 3.60 | 31.5 | 41.0 | 41.0 | 0% | 121 | <0.30 | 4.71 | 1.75 | 10.4 | 3.17 | 2.73 | 4.81 | 1.25 | <0.30 | 4.94 | <0.30 |
| Total Dissolved Solids | mg/L | ≤500$^{A}$ | n/v | ≤500$^{E}$ | n/v | 200 | 107 | 246 | 237 | 4% | 245 | 182 | 125 | 120 | 135 | 166 | 64.4 | 81.4 | 330 | 223 | 115 | 113 |
| Total Suspended Solids | mg/L | n/v | n/v | n/v | n/v | 8.2 | 3.3 | 18.2 | 19.8 | 8% | <1.0 | 2.9 | 1.0 | 654 | 843 | 2.5 | 9.5 | 17.6 | 5.0 | 93.3 | 1.7 | 14.8 |
| Turbidity, Lab | NTU | 0.3/1.0/0.1$_{e}^{B}$ | n/v | n/v | n/v | **37.0**$^{B}$ | **3.42**$^{B}$ | **16.3**$^{B}$ | **17.4**$^{B}$ | 7% | 0.16 | **3.57**$^{B}$ | 0.21 | **323**$^{B}$ | **306**$^{B}$ | **2.11**$^{B}$ | **4.83**$^{B}$ | **11.9**$^{B}$ | **63.5**$^{B}$ | **124**$^{B}$ | **0.64**$^{B}$ | **2.97**$^{B}$ |
| **Metals** | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | 0.005/0.1$^{C}$ | 0.005/0.1$^{D}$ | 0.1$_{a}^{E}$ 2.9$^{F}$ | n/v | 0.0220 | **0.308**$^{CDE}$ | 0.0024 | 0.0024 | nc | **0.133**$^{CDE}$ | **0.254**$^{CDE}$ | 0.0019 | 0.0828 | 0.0092 | 0.0026 | **0.508**$^{CDE}$ | 0.0462 | 0.0051 | 0.0038 | 0.0191 | 0.0032 |
| Antimony | mg/L | 0.006$^{B}$ | n/v | 0.006$^{F}$ | 16$^{G}$ | <0.00010 | <0.00010 | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | <0.00010 | <0.00010 | 0.00012 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | 0.01$^{B}$0.15$^{C}$ | 0.005$^{D}$ | 0.010$_{ALARA}^{F}$ | 1.5$^{G}$ | 0.00296 | 0.00083 | 0.00274 | 0.00274 | 0% | 0.00034 | 0.00068 | 0.00016 | 0.00077 | 0.00111 | 0.00018 | 0.00025 | 0.00018 | 0.00024 | 0.00028 | 0.00017 | 0.00019 |
| Barium | mg/L | 1$^{B}$ | n/v | 2.0$^{F}$ | 23$^{G}$ | 0.0861 | 0.115 | 0.0331 | 0.0332 | 0% | 0.0618 | 0.0253 | 0.0105 | 0.0274 | 0.0148 | 0.0358 | 0.0179 | 0.0136 | 0.105 | 0.129 | 0.0116 | 0.0120 |
| Cadmium | mg/L | 0.005$^{B}$ Equation*$^{C}$ | Equation**$^{D}$ | 0.007$^{F}$ | 0.0021$^{G}$ | <0.0000050 | 0.0000367 | <0.0000050 | <0.0000050 | nc | 0.0000358 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000111 | <0.0000050 | <0.0000050 | <0.0000050 | 0.0000118 | <0.0000050 |
| MSOG Cadmium Guideline | | | | | | 0.0003 | 0.0002 | 0.0003 | 0.0003 | - | 0.0003 | 0.0003 | 0.0003 | 0.0002 | 0.0001 | 0.0003 | 0.0001 | 0.0002 | 0.0005 | 0.0005 | 0.0003 | 0.0003 |
| CWQG Cadmium Guideline | | | | | | 0.0002 | 0.0001 | 0.0002 | 0.0002 | - | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0000 | 0.0002 | 0.0001 | 0.0001 | 0.0003 | 0.0004 | 0.0002 | 0.0002 |
| Calcium | mg/L | n/v | n/v | n/v | n/v | 39.5 | 16.4 | 36.5 | 38.8 | 6% | 59.1 | 44.4 | 42.9 | 34.9 | 9.12 | 41.0 | 9.99 | 24.3 | 78.7 | 84.4 | 41.2 | 34.9 |
| Chromium | mg/L | .05$^{B}$ 0.011/Equation* | 0.0089$^{D}$ | 0.05$^{F}$ | 0.64$^{G}$ | **0.00257**$^{C}$ | 0.00071 | <0.00050 | <0.00050 | nc | <0.00050 | **0.00136**$^{C}$ | <0.00050 | <0.00050 | <0.00050 | <0.00050 | 0.00075 | 0.00057 | 0.00052 | 0.00053 | <0.00050 | <0.00050 |
| Cobalt | mg/L | n/v | n/v | n/v | 0.052$^{G}$ | <0.00010 | 0.00142 | <0.00010 | <0.00010 | nc | 0.00219 | 0.00447 | <0.00010 | 0.00050 | 0.00014 | 0.00011 | <0.00010 | 0.00036 | <0.00010 | 0.00011 | <0.00010 | 0.00024 |
| Copper | mg/L | ≤1$^{A}$ Equation*$^{C}$ | Equation**$^{D}$ | ≤1.0$^{E}$ 2$^{F}$ | 0.069$^{G}$ | 0.00053 | 0.00199 | 0.0141 | 0.0143 | 1% | 0.00824 | 0.00500 | 0.00167 | 0.00244 | 0.00209 | 0.00032 | 0.00255 | 0.00239 | 0.00022 | 0.00061 | 0.00333 | <0.00020 |
| MSOG Copper Guideline | | | | | | 0.010 | 0.005 | 0.012 | 0.012 | - | 0.014 | 0.011 | 0.010 | 0.009 | 0.003 | 0.011 | 0.003 | 0.006 | 0.020 | 0.021 | 0.009 | 0.011 |
| CWQG Copper Guideline | | | | | | 0.003 | 0.002 | 0.003 | 0.003 | - | 0.004 | 0.003 | 0.003 | 0.002 | 0.002 | 0.003 | 0.002 | 0.002 | 0.004 | 0.004 | 0.003 | 0.003 |
| Iron | mg/L | ≤0.3$^{A}$ 0.3$^{C}$ | 0.3$^{D}$ | ≤0.1$^{E}$ | n/v | **32.2**$^{ACDE}$ | **6.64**$^{ACDE}$ | <0.010 | <0.010 | nc | 0.063 | **4.41**$^{ACDE}$ | 0.011 | **1.32**$^{ACDE}$ | <0.010 | **0.923**$^{ACDE}$ | **0.189**$^{E}$ | **0.406**$^{ACDE}$ | **11.6**$^{ACDE}$ | **14.1**$^{ACDE}$ | 0.093 | 0.043 |
| Lead | mg/L | 0.01$^{B}$ Equation*$^{C}$ | Equation**$^{D}$ | 0.005$_{ALARA}^{F}$ | 0.02$^{G}$ | <0.000050 | 0.000329 | <0.000050 | <0.000050 | nc | 0.000064 | 0.000055 | <0.000050 | 0.000253 | 0.000087 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | 0.000051 | <0.000050 |
| MSOG Lead Guideline | | | | | | 0.0030 | 0.0013 | 0.0035 | 0.0037 | - | 0.0043 | 0.0031 | 0.0030 | 0.0024 | 0.0005 | 0.0034 | 0.0006 | 0.0016 | 0.0067 | 0.0073 | 0.0027 | 0.0031 |
| CWQG Lead Guideline | | | | | | 0.0010 | 0.0010 | 0.0010 | 0.0010 | - | 0.0010 | 0.0010 | 0.0010 | 0.0010 | 0.0010 | 0.0010 | 0.0010 | 0.0010 | 0.0010 | 0.0010 | 0.0010 | 0.0010 |
| Magnesium | mg/L | n/v | n/v | n/v | n/v | 5.02 | 3.61 | 10.6 | 10.7 | 1% | 3.85 | 2.77 | 2.11 | 2.13 | 0.512 | 7.29 | 0.648 | 1.23 | 13.0 | 14.3 | 0.981 | 8.51 |
| Manganese | mg/L | <0.05$^{A}$ | n/v | ≤0.02$^{E}$ 0.12$^{F}$ | n/v | **0.814**$^{AEF}$ | **0.140**$^{AEF}$ | 0.0188 | 0.0186 | 1% | 0.00371 | **0.951**$^{AEF}$ | 0.00431 | **0.182**$^{AEF}$ | **0.0336**$^{E}$ | **0.328**$^{AEF}$ | 0.0175 | **0.0594**$^{AE}$ | **0.693**$^{AEF}$ | **0.768**$^{AEF}$ | **0.0403**$^{E}$ | **0.355**$^{AEF}$ |
| Molybdenum | mg/L | 0.073$^{C}$ | 0.073$^{D}$ | n/v | 7.3$^{G}$ | <0.000050 | <0.000050 | 0.00710 | 0.00703 | 1% | 0.000115 | 0.000302 | 0.000745 | 0.000492 | 0.00102 | 0.00216 | 0.000059 | 0.000229 | 0.000110 | 0.000139 | 0.000309 | 0.00425 |
| Nickel | mg/L | Equation*$^{C}$ | Equation**$^{D}$ | n/v | 0.39$^{G}$ | <0.00050 | 0.00265 | 0.00066 | 0.00062 | nc | 0.00131 | 0.00168 | <0.00050 | 0.00095 | 0.00160 | 0.00144 | 0.00078 | 0.00054 | <0.00050 | 0.00088 | 0.00053 | 0.00098 |
| MSOG Nickel Guideline | | | | | | 0.060 | 0.032 | 0.067 | 0.070 | - | 0.079 | 0.062 | 0.059 | 0.050 | 0.016 | 0.066 | 0.018 | 0.036 | 0.113 | 0.121 | 0.055 | 0.062 |
| CWQG Nickel Guideline | | | | | | 0.109 | 0.025 | 0.120 | 0.124 | - | 0.139 | 0.111 | 0.107 | 0.093 | 0.025 | 0.118 | 0.025 | 0.069 | 0.150 | 0.150 | 0.101 | 0.111 |
| Phosphorus | mg/L | n/v | n/v | n/v | n/v | 0.216 | <0.050 | 0.147 | 0.140 | nc | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.397 | 0.460 | <0.050 | <0.050 |
| Selenium | mg/L | 0.01$^{B}$ 0.001$^{C}$ | 0.001$^{D}$ | 0.05$^{F}$ | 0.05$^{G}$ | <0.000050 | 0.000139 | 0.000083 | 0.000097 | nc | 0.000155 | 0.000093 | 0.000056 | <0.000050 | 0.000099 | <0.000050 | <0.000050 | 0.000062 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Silver | mg/L | 0.0001$^{C}$ | 0.00025$^{D}$ | n/v | 0.0012$^{G}$ | 0.000012 | <0.000010 | <0.000010 | <0.000010 | nc | <0.000010 | 0.000015 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | ≤200$^{A}$ | n/v | ≤200$^{E}$ | 1,800$^{G}$ | 3.10 | 3.90 | 38.0 | 37.9 | 0% | 2.87 | 2.86 | 3.14 | 1.56 | 27.7 | 8.28 | 1.44 | 1.31 | 6.01 | 4.65 | 1.66 | 4.78 |
| Thallium | mg/L | 0.0008$^{C}$ | 0.0008$^{D}$ | n/v | 0.4$^{G}$ | <0.000010 | 0.000015 | <0.000010 | <0.000010 | nc | 0.000014 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | 0.000015 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Uranium | mg/L | 0.02$^{B}$ 0.015$^{C}$ | 0.015$^{D}$ | 0.02$^{F}$ | 0.33$^{G}$ | 0.000048 | 0.000086 | 0.00864 | 0.00892 | 3% | 0.000056 | 0.000737 | 0.000549 | 0.000251 | 0.00284 | 0.000994 | 0.000193 | 0.000436 | 0.000033 | <0.000010 | 0.000207 | 0.000354 |
| Vanadium | mg/L | n/v | n/v | n/v | 0.2$^{G}$ | 0.00555 | 0.00077 | 0.00059 | 0.00060 | nc | <0.00050 | 0.00605 | <0.00050 | 0.00065 | 0.00146 | <0.00050 | <0.00050 | <0.00050 | 0.00069 | 0.00073 | <0.00050 | <0.00050 |
| Zinc | mg/L | ≤5$^{A}$ Equation*$^{C}$ | 0.03$^{D}$ | ≤5.0$^{E}$ | 0.89$^{G}$ | 0.0026 | 0.0047 | 0.0095 | 0.0099 | 4% | 0.0029 | 0.0036 | 0.0075 | 0.0046 | 0.0102 | 0.0025 | 0.0024 | 0.0026 | 0.0025 | 0.0043 | 0.0068 | <0.0010 |
| MSOG Zinc Guideline | | | | | | 0.137 | 0.072 | 0.152 | 0.158 | - | 0.179 | 0.140 | 0.134 | 0.114 | 0.036 | 0.149 | 0.040 | 0.083 | 0.257 | 0.274 | 0.125 | 0.140 |
| Phosphorus | mg/L | n/v | n/v | n/v | n/v | 0.216 | <0.030 | 0.147 | 0.140 | nc | <0.030 | 0.043 | <0.030 | <0.030 | <0.030 | 0.043 | <0.030 | <0.030 | 0.397 | 0.460 | <0.030 | <0.030 |

See notes on last page

# Table 4
# Summary of Groundwater Analytical Results - MacLellan
# Baseline Study - Lynn Lake Gold Project
# Alamos Gold Inc

| Sample Location | | | | | | MWM-06B | | | MWM-12A | | | MWM-13A | MWM-14A | MWM-15A | MWM-15B | MWM-16A | MWM-16B | MWM-17 | FIELD BLANK | Trip Blank |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Date | | | | | | 31-Oct-25 | 31-Oct-25 | | 31-Oct-25 | 31-Oct-25 | | 31-Oct-25 | 4-Nov-25 | 6-Nov-25 | 2-Nov-25 | 3-Nov-25 | 4-Nov-25 | 30-Oct-25 | 4-Nov-25 | 6-Nov-25 |
| Sample ID | | | | | | MWM-06B | Field Duplicate - 1 | | MWM-12A | Field Dup - 02 | | MWM-13A | MWM-14A | MWM-15A | MWM-15B | MWM-16A | MWM-16B | MWM-17 | Field Blank | Trip Blank |
| Sampling Company | | | | | | STANTEC | STANTEC | | STANTEC | STANTEC | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | | | | ALS | ALS | | ALS | ALS | | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS | ALS |
| Laboratory Work Order | | | | | | WP2519183 | WP2519183 | | WP2519475 | WP2519475 | | WP2519475 | WP2519475 | WP2519475 | WP2519475 | WP2519475 | WP2519475 | WP2519183 | WP2519475 | WP2519475 |
| Laboratory Sample ID | | | | | | WP2519183-009 | WP2519183-010 | RPD | WP2519475-001 | WP2519475-015 | RPD | WP2519475-019 | WP2519475-011 | WP2519475-012 | WP2519475-010 | WP2519475-009 | WP2519475-013 | WP2519183-008 | WP2519475-017 | WP2519475-018 |
| Sample Type | Units | MSOG | CWQG-FAL | CDQWG | MOE GW3 | | Field Duplicate | (%) | | Field Duplicate | (%) | | | | | | | | Field Blank | Trip Blank |
| **General Chemistry** | | | | | | | | | | | | | | | | | | | | |
| Alkalinity (P as CaCO3) | mg/L | n/v | n/v | n/v | n/v | <1.0 | <1.0 | nc | <1.0 | <1.0 | nc | <1.0 | <1.0 | 4.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Alkalinity, Bicarbonate (as CaCO3) | mg/L | n/v | n/v | n/v | n/v | 40.4 | 39.8 | 1% | 22.4 | 21.2 | 6% | 26.8 | 199 | 125 | 153 | 118 | 126 | 35.5 | <1.0 | <1.0 |
| Alkalinity, Carbonate (as CaCO3) | mg/L | n/v | n/v | n/v | n/v | <1.0 | <1.0 | nc | <1.0 | <1.0 | nc | <1.0 | <1.0 | 9.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Alkalinity, Hydroxide (as CaCO3) | mg/L | n/v | n/v | n/v | n/v | <1.0 | <1.0 | nc | <1.0 | <1.0 | nc | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Alkalinity, Total (as CaCO3) | mg/L | n/v | n/v | n/v | n/v | 40.4 | 39.8 | 1% | 22.4 | 21.2 | 6% | 26.8 | 199 | 134 | 153 | 118 | 126 | 35.5 | <1.0 | <1.0 |
| Ammonia (as N) | mg/L | Equation*$^{C}$ | Table$_{2}^{D}$ | n/v | n/v | 0.0126 | <0.0050 | nc | 0.794 | 0.860 | 8% | 0.0206 | 0.0673 | 0.0588 | 0.0219 | 0.141 | 0.235 | 0.0067 | <0.0050 | <0.0050 |
| Chloride | mg/L | ≤250$^{A}$ | 120$^{D}$ | ≤250$^{E}$ | 1,800$^{G}$ | 0.34 | 0.34 | nc | 0.13 | 0.15 | nc | 0.22 | 1.75 | 2.15 | 0.15 | 0.34 | 0.48 | 0.44 | <0.10 | <0.10 |
| Cyanide | mg/L | 0.2$^{B}$ | n/v | 0.2$^{F}$ | 0.052$^{G}$ | <0.0010 | <0.0010 | nc | <0.0100 DLM | <0.0010 | nc | <0.0010 | 0.0012 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Free) | mg/L | 0.0052$^{C}$ | 0.005$^{D}$ | 0.2$^{F}$ | 0.052$^{G}$ | <0.0010 | <0.0010 | nc | <0.0010 | 0.0011 | nc | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 |
| Cyanide (Weak Acid Dissociable) | mg/L | n/v | n/v | n/v | 0.052$^{G}$ | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | 0.0011 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0010 | <0.0010 | <0.0010 |
| Electrical Conductivity, Lab | µmhos/cm | n/v | n/v | n/v | n/v | 86.1 | 87.0 | 1% | 53.4 | 51.8 | 3% | 60.4 | 355 | 314 | 262 | 211 | 224 | 76.9 | 1.3 | <1.0 |
| Fluoride | mg/L | 1.5$^{B}$ | 0.12$^{D}$ | 1.5$^{F}$ | n/v | 0.094 | 0.092 | nc | 0.029 | 0.025 | nc | 0.039 | **0.205$^{D}$** | **0.477$^{D}$** | 0.083 | **0.160$^{D}$** | **0.242$^{D}$** | 0.062 | <0.020 | <0.020 |
| Hardness (as CaCO3) | mg/L | n/v | n/v | n/v | n/v | 34.2 | 35.1 | 3% | 32.4 | 33.8 | 4% | 27.3 | 186 | 31.7 | 143 | 93.4 | 98.7 | 30.1 | <0.50 | <0.50 |
| Nitrate (as N) | mg/L | 10$^{B}$ | n/v | 10$^{F}$ | n/v | 0.0248 | 0.0222 | nc | 0.0059 | 0.0251 | nc | 0.0512 | <0.0050 | 0.0079 | <0.0050 | <0.0050 | 0.0100 | 0.106 | <0.0050 | <0.0050 |
| Nitrate + Nitrite (as N) | mg/L | 10$_{s6}^{B}$ | n/v | n/v | n/v | 0.0248 | 0.0222 | nc | 0.00590 | 0.0251 | nc | 0.0512 | <0.0051 | 0.00790 | <0.0051 | <0.0051 | 0.0151 | 0.106 | <0.0051 | <0.0051 |
| Nitrite (as N) | mg/L | 0.06$^{C}$ | 0.06$^{D}$ | 1$^{F}$ | n/v | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | nc | <0.0010 | <0.0010 | <0.0010 | <0.0010 | <0.0010 | 0.0051 | <0.0010 | <0.0010 | <0.0010 |
| pH, lab | S.U. | 6.5-9.0$^{C}$ | 6.5-9.0$^{D}$ | 7.0-10.5$^{E}$ | n/v | 7.05 | 7.17 | 2% | **6.25$^{ACDE}$** | **6.86$^{E}$** | 9% | 7.48 | 8.11 | **8.61$^{A}$** | 8.22 | 8.21 | 8.21 | 7.55 | **5.43$^{ACDE}$** | **5.52$^{ACDE}$** |
| Phosphorus, Total | mg/L | 0.025$^{C}$ | Narrative$^{D}$ | n/v | n/v | **0.110$^{C}$** | **0.105$^{C}$** | 5% | **0.108$^{C}$** | **0.110$^{C}$** | 2% | **0.0604$^{C}$** | **0.275$^{C}$** | **0.428$^{C}$** | **0.0308$^{C}$** | **0.201$^{C}$** | **1.34$^{C}$** | 0.0079 | <0.0020 | <0.0020 |
| Sulfate | mg/L | ≤500$^{A}$ | n/v | ≤500$_{i}^{E}$ | n/v | 2.92 | 2.86 | 2% | <0.30 | <0.30 | nc | 3.22 | 3.49 | 35.5 | 2.64 | 2.68 | 4.46 | 3.35 | <0.30 | <0.30 |
| Total Dissolved Solids | mg/L | ≤500$^{A}$ | n/v | ≤500$^{E}$ | n/v | 120 | 109 | 10% | 111 | 109 | 2% | 48.5 | 277 | **1,030$^{AE}$** | 141 | 126 | 301 | 57.1 | <3.0 | <3.0 |
| Total Suspended Solids | mg/L | n/v | n/v | n/v | n/v | 144 | 118 | 20% | 70.8 | 130 | **59%** | 123 | 91.2 | 90.2 | 15.4 | 20.7 | 3,550 | 7.3 | <1.0 | <1.0 |
| Turbidity, Lab | NTU | 0.3/1.0/0.1$_{e}^{B}$ | n/v | n/v | n/v | **192$^{B}$** | **166$^{B}$** | 15% | **29.0$^{B}$** | **52.5$^{B}$** | **58%** | **47.1$^{B}$** | **100$^{B}$** | **399$^{B}$** | **7.61$^{B}$** | **24.4$^{B}$** | **3,130$^{B}$** | **5.82$^{B}$** | <0.10 | <0.10 |
| **Metals** | | | | | | | | | | | | | | | | | | | | |
| Aluminum | mg/L | 0.005/0.1$^{C}$ | 0.005/0.1$^{D}$ | 0.1$_{a}^{E}$ 2.9$^{F}$ | n/v | 0.0144 | 0.0158 | 9% | **0.253$^{CDE}$** | **0.266$^{CDE}$** | 5% | 0.0030 | 0.0816 | 0.0558 | <0.0010 | 0.0081 | 0.0295 | 0.0025 | <0.0010 | <0.0010 |
| Antimony | mg/L | 0.006$^{B}$ | n/v | 0.006$^{F}$ | 16$^{G}$ | <0.00010 | <0.00010 | nc | <0.00010 | <0.00010 | nc | <0.00010 | 0.00127 | 0.00073 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 | <0.00010 |
| Arsenic | mg/L | 0.01$^{B}$0.15$^{C}$ | 0.005$^{D}$ | 0.010$_{ALARA}^{F}$ | 1.5$^{G}$ | 0.00027 | 0.00028 | nc | 0.00038 | 0.00040 | nc | 0.00020 | 0.00168 | 0.00127 | <0.00010 | 0.00013 | 0.00079 | <0.00010 | <0.00010 | <0.00010 |
| Barium | mg/L | 1$^{B}$ | n/v | 2.0$^{F}$ | 23$^{G}$ | 0.0244 | 0.0262 | 7% | 0.0181 | 0.0178 | 2% | 0.00530 | 0.0428 | 0.0198 | 0.0399 | 0.0385 | 0.0601 | 0.0126 | <0.00010 | <0.00010 |
| Cadmium | mg/L | 0.005$^{B}$ Equation*$^{C}$ | Equation**$^{D}$ | 0.007$^{F}$ | 0.0021$^{G}$ | 0.0000249 | 0.0000232 | nc | 0.0000122 | 0.0000124 | nc | <0.0000050 | 0.0000629 | 0.0000125 | 0.0000167 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 | <0.0000050 |
| MSOG Cadmium Guideline | | | | | | 0.0001 | 0.0001 | - | 0.0001 | 0.0001 | - | 0.0001 | 0.0004 | 0.0001 | 0.0003 | 0.0002 | 0.0002 | 0.0001 | 0.01 | 0.01 |
| CWQG Cadmium Guideline | | | | | | 0.0001 | 0.0001 | - | 0.0001 | 0.0001 | - | 0.0001 | 0.0003 | 0.0001 | 0.0002 | 0.0001 | 0.0002 | 0.0001 | 0.00004 | 0.00004 |
| Calcium | mg/L | n/v | n/v | n/v | n/v | 9.81 | 10.1 | 3% | 11.3 | 11.8 | 4% | 8.84 | 65.5 | 11.0 | 41.5 | 30.0 | 26.2 | 11.0 | <0.050 | <0.050 |
| Chromium | mg/L | .05$^{B}$ 0.011/Equation* | 0.0089$^{D}$ | 0.05$^{F}$ | 0.64$^{G}$ | <0.00050 | <0.00050 | nc | 0.00070 | 0.00060 | nc | <0.00050 | **0.00166$^{C}$** | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 |
| Cobalt | mg/L | n/v | n/v | n/v | 0.052$^{G}$ | 0.00332 | 0.00325 | 2% | 0.00048 | 0.00048 | nc | 0.00015 | 0.0247 | 0.00088 | 0.00029 | <0.00010 | 0.00020 | 0.00010 | <0.00010 | <0.00010 |
| Copper | mg/L | ≤1$^{A}$ Equation*$^{C}$ | Equation**$^{D}$ | ≤1.0$^{E}$ 2$^{F}$ | 0.069$^{G}$ | 0.00302 | 0.00304 | 1% | 0.00097 | 0.00078 | nc | 0.00120 | 0.00798 | 0.00034 | 0.00038 | <0.00020 | 0.00080 | 0.00107 | 0.00023 | <0.00020 |
| MSOG Copper Guideline | | | | | | 0.004 | 0.004 | - | 0.003 | 0.004 | - | 0.003 | 0.015 | 0.003 | 0.012 | 0.008 | 0.009 | 0.003 | 0.10 | 0.10 |
| CWQG Copper Guideline | | | | | | 0.002 | 0.002 | - | 0.002 | 0.002 | - | 0.002 | 0.004 | 0.002 | 0.003 | 0.002 | 0.002 | 0.002 | 0.0020 | 0.0020 |
| Iron | mg/L | ≤0.3$^{A}$ 0.3$^{C}$ | 0.3$^{D}$ | ≤0.1$^{E}$ | n/v | **0.216$^{E}$** | **0.183$^{E}$** | 17% | **3.66$^{ACDE}$** | **3.60$^{ACDE}$** | 2% | 0.057 | **0.709$^{ACDE}$** | 0.024 | <0.010 | **0.505$^{ACDE}$** | 0.034 | <0.010 | <0.010 | <0.010 |
| Lead | mg/L | 0.01$^{B}$ Equation*$^{C}$ | Equation**$^{D}$ | 0.005$_{ALARA}^{F}$ | 0.02$^{G}$ | <0.000050 | <0.000050 | nc | 0.000384 | 0.000375 | 2% | <0.000050 | 0.000405 | 0.000083 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| MSOG Lead Guideline | | | | | | 0.0008 | 0.0008 | - | 0.0007 | 0.0008 | - | 0.0006 | 0.0049 | 0.0007 | 0.0037 | 0.0023 | 0.0025 | 0.0007 | 0.01 | 0.01 |
| CWQG Lead Guideline | | | | | | 0.0010 | 0.0010 | - | 0.0010 | 0.0010 | - | 0.0010 | 0.0010 | 0.0010 | 0.0010 | 0.0010 | 0.0010 | 0.0010 | 0.0010 | 0.0010 |
| Magnesium | mg/L | n/v | n/v | n/v | n/v | 2.35 | 2.39 | 2% | 1.02 | 1.05 | 3% | 1.26 | 5.34 | 1.03 | 9.60 | 4.48 | 8.07 | 0.629 | <0.0050 | <0.0050 |
| Manganese | mg/L | <0.05$^{A}$ | n/v | ≤0.02$^{E}$ 0.12$^{F}$ | n/v | **0.268$^{AEF}$** | **0.267$^{AEF}$** | 0% | **0.0637$^{AE}$** | **0.0659$^{AE}$** | 3% | **0.0382$^{E}$** | **3.11$^{AEF}$** | **0.0304$^{E}$** | **0.315$^{AEF}$** | **0.196$^{AEF}$** | **0.165$^{AEF}$** | 0.00414 | <0.00010 | <0.00010 |
| Molybdenum | mg/L | 0.073$^{C}$ | 0.073$^{D}$ | n/v | 7.3$^{G}$ | 0.000302 | 0.000304 | 1% | 0.000153 | 0.000151 | nc | 0.00104 | 0.0189 | 0.0454 | 0.000994 | 0.00409 | 0.00693 | 0.000854 | 0.000078 | <0.000050 |
| Nickel | mg/L | Equation*$^{C}$ | Equation**$^{D}$ | n/v | 0.39$^{G}$ | 0.00579 | 0.00589 | 2% | 0.00151 | 0.00144 | nc | <0.00050 | 0.0164 | 0.00153 | 0.00288 | <0.00050 | 0.00052 | 0.00131 | <0.00050 | <0.00050 |
| MSOG Nickel Guideline | | | | | | 0.021 | 0.021 | - | 0.020 | 0.021 | - | 0.017 | 0.088 | 0.020 | 0.070 | 0.049 | 0.051 | 0.019 | 0.59 | 0.59 |
| CWQG Nickel Guideline | | | | | | 0.025 | 0.025 | - | 0.025 | 0.025 | - | 0.025 | 0.150 | 0.025 | 0.125 | 0.091 | 0.095 | 0.025 | 0.025 | 0.025 |
| Phosphorus | mg/L | n/v | n/v | n/v | n/v | <0.050 | <0.050 | nc | 0.079 | 0.073 | nc | <0.050 | <0.050 | 0.056 | <0.050 | 0.174 | <0.050 | <0.050 | <0.050 | <0.050 |
| Selenium | mg/L | 0.01$^{B}$ 0.001$^{C}$ | 0.001$^{D}$ | 0.05$^{F}$ | 0.05$^{G}$ | <0.000050 | <0.000050 | nc | 0.000096 | 0.000082 | nc | 0.000128 | 0.000556 | 0.000130 | <0.000050 | <0.000050 | 0.000127 | <0.000050 | <0.000050 | <0.000050 |
| Silver | mg/L | 0.0001$^{C}$ | 0.00025$^{D}$ | n/v | 0.0012$^{G}$ | <0.000010 | <0.000010 | nc | <0.000010 | 0.000012 | nc | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Sodium | mg/L | ≤200$^{A}$ | n/v | ≤200$^{E}$ | 1,800$^{G}$ | 3.03 | 2.91 | 4% | 1.61 | 1.59 | 1% | 3.58 | 27.4 | 63.9 | 4.02 | 12.3 | 12.7 | 2.44 | <0.050 | <0.050 |
| Thallium | mg/L | 0.0008$^{C}$ | 0.0008$^{D}$ | n/v | 0.4$^{G}$ | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | nc | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 | <0.000010 |
| Uranium | mg/L | 0.02$^{B}$ 0.015$^{C}$ | 0.015$^{D}$ | 0.02$^{F}$ | 0.33$^{G}$ | 0.000099 | 0.000116 | 16% | 0.000050 | 0.000050 | 0% | 0.000174 | 0.00266 | 0.000897 | 0.00396 | <0.000010 | 0.000812 | 0.000094 | <0.000010 | <0.000010 |
| Vanadium | mg/L | n/v | n/v | n/v | 0.2$^{G}$ | <0.00050 | <0.00050 | nc | <0.00050 | 0.00051 | nc | <0.00050 | 0.00081 | 0.00050 | <0.00050 | <0.00050 | 0.00173 | <0.00050 | <0.00050 | <0.00050 |
| Zinc | mg/L | ≤5$^{A}$ Equation*$^{C}$ | 0.03$^{D}$ | ≤5.0$^{E}$ | 0.89$^{G}$ | 0.0022 | 0.0024 | nc | 0.0071 | 0.0057 | 22% | 0.0034 | **0.0318$^{D}$** | 0.0011 | 0.0026 | <0.0010 | 0.0027 | **0.0426$^{D}$** | <0.0010 | <0.0010 |
| MSOG Zinc Guideline | | | | | | 0.048 | 0.049 | - | 0.045 | 0.047 | - | 0.039 | 0.200 | 0.045 | 0.160 | 0.111 | 0.117 | 0.043 | 1.33 | 1.33 |
| Phosphorus | mg/L | n/v | n/v | n/v | n/v | <0.030 | <0.030 | nc | 0.079 | 0.073 | nc | <0.030 | 0.038 | 0.056 | <0.030 | 0.174 | <0.030 | <0.030 | <0.030 | <0.030 |

See notes on last page

# Table 4
# Summary of Groundwater Analytical Results - MacLellan
# Baseline Study - Lynn Lake Gold Project
# Alamos Gold Inc

**Notes:**

| | |
|---|---|
| MSOG | Manitoba Provincial Water Quality Guidelines |
| A | Manitoba Water Quality Standards Objectives and Guidelines for Tier III - Water Quality Guidelines - Drinking (Aesthetic Objectives) |
| B | Manitoba Water Quality Standards Objectives and Guidelines for Tier III - Water Quality Guidelines - Drinking (Maximum Acceptable Concentration) |
| C | Manitoba Water Quality Standards Objectives and Guidelines for Freshwater Aquatic Life - Manitoba (MWS 2011) |
| CWQG-FAL | Canadian Council of Ministers of the Environment |
| D | CWQG - Canadian Water Quality Guidelines for the Protection of Freshwater Aquatic Life by Canadian Council of Ministers of the Environment (CCME 2012) |
| GCDWQ | Health Canada (March 2025). Guidelines for Canadian Drinking Water Quality—Summary Table. Water and Air Quality Bureau, Healthy Environments and Consumer Safety Branch, Health Canada, Ottawa, Ontario. |
| E | Guidelines for Canadian Drinking Water Quality - Aesthetic Objectives/ Operational Guidelines |
| F | Guidelines for Canadian Drinking Water Quality - Maximum Acceptable Concentration |
| MOE GW3 | Rationale for the Development of Soil and Ground Water Standards for Use at Contaminated Sites in Ontario (MOE, 2011) |
| G | GW3 (10xAPV) Groundwater Component Value from MOE - Generic Site Condition Standards for within 30 m of a water body |
| **6.5$^{A}$** | Concentration exceeds the indicated standard. |
| 15.2 | Measured concentration did not exceed the indicated standard. |
| ***<0.50*** | Laboratory reporting limit was greater than the applicable standard. |
| <0.03 | Analyte was not detected at a concentration greater than the laboratory reporting limit. |
| n/v | No standard/guideline value. |
| - | Parameter not analyzed / not available. |
| a | This is an operational guidance value, designed to apply only to drinking water treatment plants using aluminum-based coagulants; it does not apply to naturally occurring aluminum found in groundwater. The operational guidance values of 0.1 mg/L applies to conventional treatment plants, and 0.2 mg/L applies to other types of treatment systems. |
| ALARA | as low as reasonably achievable |
| e | The treated water turbidity target is less than 0.1 NTU at all times. Where this is not achievable, the maximum treated water turbidity level depends on the method of treatment used. Based on chemically assisted filtration/slow sand or diatomaceous earth filtration/membrane filtration. |
| j | High levels (above 500 mg/L) can cause physiological effects such as diarrhea or dehydration. |
| s6 | From Tier II - Water Quality Objectives |
| Equation* | MSOG-FAL formula for calculation of hardness, pH, and temperature dependent provincial guidelines for chronic exposure (MWS 2011). As the most strict guidelines, the chronic exposure equations are selected over the acute exposure equations. |
| Equation** | CWQG-FAL formula for calculation of hardness dependent federal guidelines (total copper, lead, and nickel) (CCME 2012). |
| Narrative | Canadian Guidance Frameworks is used for total phosphorus (CCME 2012): ultra-oligotrophic <4 µg/L, oligotrophic 4-10 µg/L, mesotrophic 10-20 µg/L, meso-eutrophic 20-35 µg/L, eutrophic 35-100 µg/L, hyper-eutrophic >100 µg/L. |
| Table 2 | CWQG-FAL guidelines for total ammonia (as N) for the protection of aquatic life presented in Table 2 of the Canadian water quality guidelines for the protection of aquatic life: Ammonia (CCME 2010). The values from Table 2 are multiplied by 0.8224 to convert them into total ammonia (as N). |
| DLM | Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity). |
| RPD | Relative Percent Difference. |
| **61%** | RPD exceeds data quality objective of 40%. |
| nc | RPD is not calculated if one or more values is non detect or if one or more values is less than five times the reportable detection limit. |

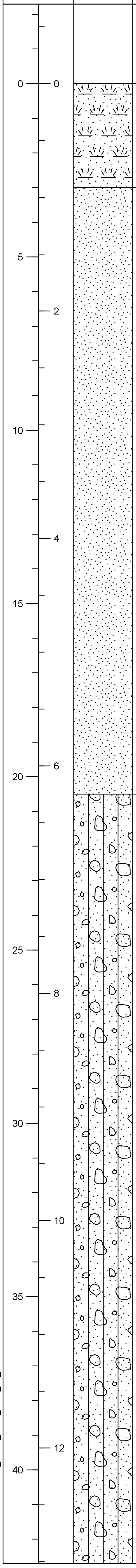
# Appendix C Borehole Logs

# Monitoring Well: MWM-14

**Project:** Lynn Lake Gold Project
**Client:** Alamos Gold Inc.
**Location:** Adjacent to northeast boundary of MRSA
**Number:** 111473084

**Field investigator:** R.Baker
**Contractor:** Maple Leaf Drilling LTD.
**Method:** GeoProbe 3230DT HSA/HQ Coring
**Date started/completed:** 15-Mar-2025 / 20-Mar-2025

## SUBSURFACE PROFILE



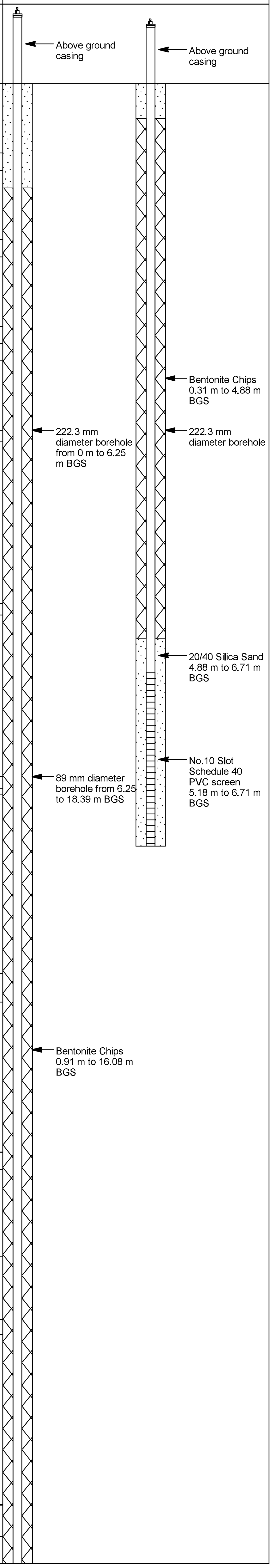
| Lithologic Description | Elevation (m AMSL) Depth (m BGS) |
|---|---|
| | 104.36 |
| Ground Surface | 103.66 |
| **PEAT**<br>peat, roots, wood, some fine and medium grained sand, some silt, very dark brown (10YR 2/2), moist, firm | 0.00 |
| **SAND**<br>fine and medium grained sand, few coarse sand, little fine and coarse gravel, trace silt, subangular to subround, light brownish grey (2.5Y 6/2), moist, stiff to very stiff.<br>becoming wet at 1.42 m BGS<br>colour change to (2.5Y 4/3) olive brown at 2.29 m BGS | 102.74<br>0.91 |
| **SILTY SAND and GRAVEL**<br>fine and medium grained sand, few coarse sand, few silt, fine and coarse gravel, few cobbles, trace boulders, trace clay, subangular to subround, dark greyish brown (2.5Y 4/1), wet, very dense, diamicton. | 97.41<br>6.25 |

## SAMPLE DETAILS

| Sample Number | Sample Type | Recovery | SCR | RQD | Fractures per 1.52m | N Value |
|---|---|---|---|---|---|---|
| 1 | SS | 18"<br>75% | n/a | n/a | n/a | 6-2-53<br>(55) |
| 2 | SS | 18"<br>75% | n/a | n/a | n/a | 8-8-4-7<br>(12) |
| 3 | SS | 20"<br>83% | n/a | n/a | n/a | 5-19-22-50<br>(41) |
| 4 | SS | 6"<br>100% | n/a | n/a | n/a | 50<br>(0) |
| 5 | SS | 4"<br>100% | n/a | n/a | n/a | 50/4.0"<br>(50/4.0") |
| 6 | SS | 4"<br>100% | n/a | n/a | n/a | 50/4.0"<br>(50/4.0") |
| 7 | SS | 4"<br>100% | n/a | n/a | n/a | 50/4.0"<br>(50/4.0") |
| 8 | CC | 13"<br>21% | n/a | n/a | n/a | n/a |
| 9 | SS | 10"<br>100% | n/a | n/a | n/a | 50-50/4.0"<br>(50/4.0") |
| 10 | CC | 20"<br>32% | n/a | n/a | n/a | n/a |
| 11 | SS | 6"<br>100% | n/a | n/a | n/a | 50<br>(0) |
| 12 | CC | 24"<br>67% | n/a | n/a | n/a | n/a |
| 13 | CC | 15"<br>68% | n/a | n/a | n/a | n/a |
| 14 | SS | 4"<br>79% | n/a | n/a | n/a | 50/5.0"<br>(50/5.0") |
| 15 | CC | 14"<br>22% | n/a | n/a | n/a | n/a |
| 16 | SS | 11"<br>100% | n/a | n/a | n/a | 27-50/5.0"<br>(50/5.0") |

## WELL DETAILS

| | | | |
|---|---|---|---|
| Name: | MWM-14A | Name: | MWM-14B |
| GS Elev: | 103.66 m AMSL | GS Elev: | 103.71 m AMSL |
| TOC Elev: | 103.97 m AMSL | TOC Elev: | 103.98 m AMSL |
| Easting: | 384344 | Easting: | 384345 |
| Northing: | 6310126 | Northing: | 6310126 |
| Stick-up: | 0.70 m | Stick-up: | 0.60 m |



Notes:
m AMSL - metres above mean sea level
m BGS - metres below ground surface
BTOC - metres below top of casing
S - split-spoon sample
C - continuous core sample
a - not available

HSA - Hollow Stem Auger

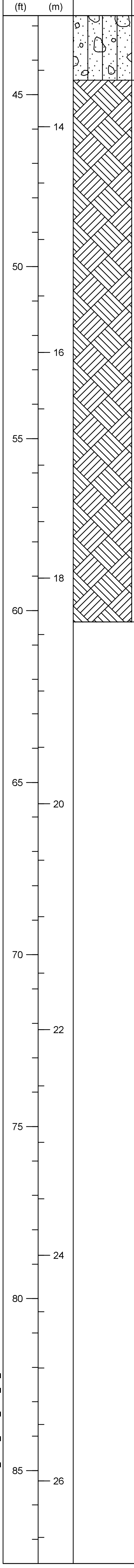
Drawn By/Checked By: R.B. / M.J.F.

# Monitoring Well: MWM-14

**Project:** Lynn Lake Gold Project
**Client:** Alamos Gold Inc.
**Location:** Adjacent to northeast boundary of MRSA
**Number:** 111473084

**Field investigator:** R.Baker
**Contractor:** Maple Leaf Drilling LTD.
**Method:** GeoProbe 3230DT HSA/HQ Coring
**Date started/completed:** 15-Mar-2025 / 20-Mar-2025

SUBSURFACE PROFILE



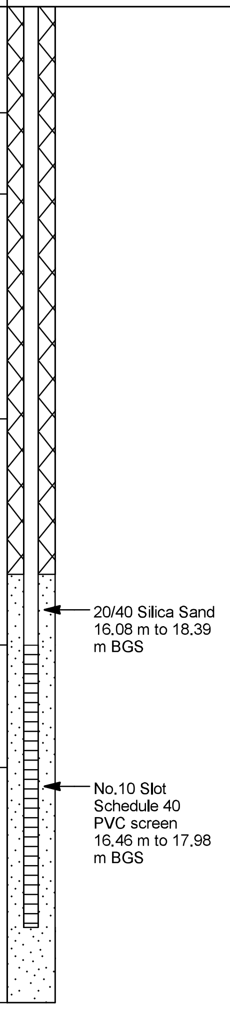
| Lithologic Description | Elevation (m AMSL) Depth (m BGS) |
|---|---|
| SILTY SAND and GRAVEL<br>fine and medium grained sand, few coarse sand, few silt, fine and coarse gravel, few cobbles, trace boulders, trace clay, subangular to subround, dark greyish brown (2.5Y 4/1), wet, very dense, diamicton. | 90.07 |
| BEDROCK<br>metamorphic, gray, heavily fractured<br>vugs present from 18.56 m to 16.46 m BGS<br>mineral deposits on fractured faces 15.42 m, 15.80 m, 16.03 m, 16,76 m, 17.22 m, 17.60 m, 16.56 m - 16.69 m, 17.78m - 17.98 m and 18.14 m - 18.29 m BGS | 13.59<br>85.27 |
| End of Borehole | 18.39 |

SAMPLE DETAILS

| Sample Number | Sample Type | Recovery | SCR | RQD | Fractures per 1.52m | N Value |
|---|---|---|---|---|---|---|
| 17 | CC | 27"<br>45% | n/a | n/a | n/a | n/a |
| | | | | | | |
| 18 | CC | 62"<br>95% | 14"<br>22% | 0"<br>0% | >20 | n/a |
| 19 | CC | 42"<br>88% | 26"<br>54% | 4.5"<br>9% | 16 | n/a |
| 20 | CC | 26"<br>100% | 21.5"<br>83% | 16.5"<br>63% | 10 | n/a |
| 21 | CC | 52"<br>100% | 30"<br>58% | 13"<br>25% | 22 | n/a |

WELL DETAILS

| Name: | MWM-14A | Name: | MWM-14B |
|---|---|---|---|
| GS Elev: | 103.66 m AMSL | GS Elev: | 103.71 m AMSL |
| TOC Elev: | 103.97 m AMSL | TOC Elev: | 103.98 m AMSL |
| Easting: | 384344 | Easting: | 384345 |
| Northing: | 6310126 | Northing: | 6310126 |
| Stick-up: | 0.70 m | Stick-up: | 0.60 m |



Notes:
m AMSL - metres above mean sea level
m BGS - metres below ground surface
BTOC - metres below top of casing
S - split-spoon sample
C - continuous core sample
a - not available

HSA - Hollow Stem Auger

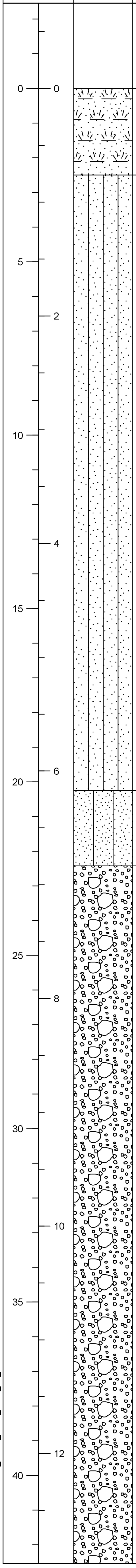
Drawn By/Checked By: R.B. / M.J.F.

# *Monitoring Well: MWM-15*

**Project:** Lynn Lake Gold Project
**Client:** Alamos Gold Inc.
**Location:** Adjacent to southern boundary of MRSA
**Number:** 111473084

**Field investigator:** S.Tam/R.Baker
**Contractor:** Maple Leaf Drilling LTD.
**Method:** GeoProbe 3230DT HSA/HQ Coring
**Date started/completed:** 28-Jan-2025 / 10-Feb-2025

SUBSURFACE PROFILE



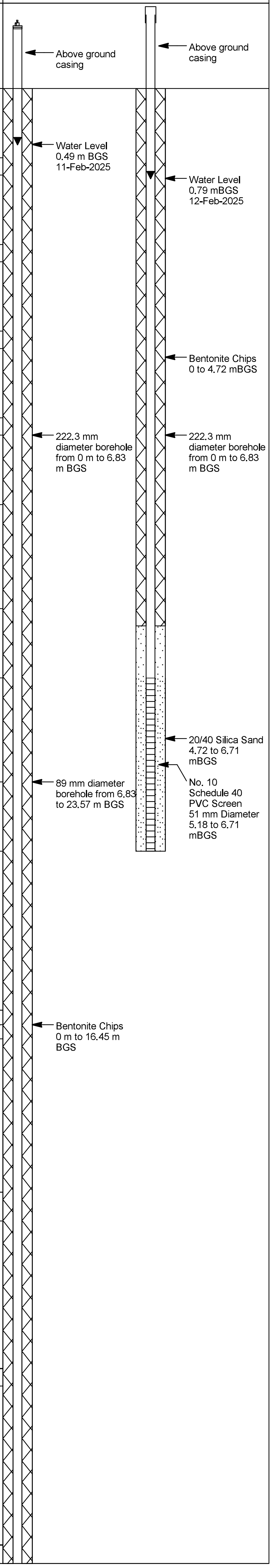
| Lithologic Description | Elevation (m AMSL) Depth (m BGS) |
|---|---|
| | 102.19 |
| Ground Surface | 101.56 |
| PEAT (frozen)<br>trace fine and medium grained sand, ice, very dark brown (10YR 2/2), very loose | 0.00 |
| SILTY SAND TO SANDY SILT<br>fine and medium grained sand, trace coarse grained sand, greyish brown (10YR 5/2) moist, stiff to very stiff<br>3.8 cm of coarser sand at 1.0 m BGS<br>seam of wet coarse sand 0.05 m thick at 1.5 m BGS<br>trace fine gravel starting at 1.6 m BGS<br>becoming brown (10YR 4/3), moist, soft to firm at 2.3 m BGS<br>becoming dark greyish brown (10YR 4/2), moist to wet, soft at 4.6 m BGS<br>becoming wet at 5.18 m BGS | 100.80<br>0.76 |
| SILTY SAND<br>fine and medium sand, trace coarse sand, trace clay, trace fine gravel, sub-rounded, (10YR 3/1) very dark grey, moist, soft | 95.39<br>6.17 |
| SAND AND GRAVEL<br>fine grained sand, trace medium and coarse sand, trace silt, fine and coarse gravel, some cobbles, trace boulders, sub-angular to sub-rounded, olive gray (5Y 4/2), wet, compact to very dense<br>becoming colour change to grey (5Y 5/1) at 9.70 m BGS<br>becoming olive grey (5Y 4/2) at 12.80 m BGS | 94.73<br>6.83 |

SAMPLE DETAILS

| Sample Number | Sample Type | Recovery | N Value |
|---|---|---|---|
| 1 | SS | 6"<br>25% | 3-1-2<br>(3) |
| 2 | SS | 11"<br>46% | 7-4-8-10<br>(12) |
| 3 | SS | 7"<br>29% | 9-9-8-10<br>(17) |
| 4 | SS | 19"<br>79% | 5-8-9-10<br>(17) |
| 5 | SS | 12"<br>50% | 5-6-5-4<br>(11) |
| 6 | SS | 20"<br>83% | 0-1-2-1<br>(3) |
| 7 | SS | 18"<br>75% | 6-2-2-5<br>(4) |
| 8 | CC | 30"<br>50% | n/a |
| 9 | SS | 9"<br>90% | 40-63/4.0"<br>(63/4.0") |
| 10 | CC | 10"<br>16% | n/a |
| 11 | SS | 9"<br>90% | 47-50/4.0"<br>(50/4.0") |
| 12 | CC | 12"<br>20% | n/a |
| 13 | SS | 6"<br>100% | 50<br>(0) |
| 14 | CC | 10"<br>16% | n/a |
| | | 9" | 35-50/3.0" |

WELL DETAILS

| Name: | MWM-15D | Name: | MWM-15S |
|---|---|---|---|
| GS Elev: | 101.56 m AMSL | GS Elev: | 101.59 m AMSL |
| TOC Elev: | 101.80 m AMSL | TOC Elev: | 101.87 m AMSL |
| Easting: | 383312 | Easting: | 383310 |
| Northing: | 6308151 | Northing: | 6308151 |
| Stick-up: | 0.63 m | Stick-up: | 0.75 m |



Notes:
m AMSL - metres above mean sea level
m BGS - metres below ground surface
BTOC - metres below top of casing
S - split-spoon sample
C - continuous core sample
a - not available

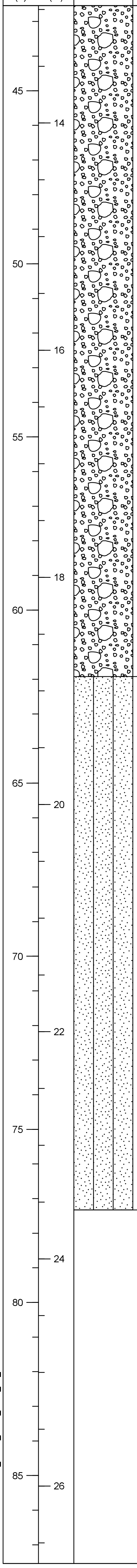
HSA - Hollow Stem Auger

Drawn By/Checked By: S.T., R.B./ M.J.F.

# *Monitoring Well: MWM-15*

**Project:** Lynn Lake Gold Project
**Client:** Alamos Gold Inc.
**Location:** Adjacent to southern boundary of MRSA
**Number:** 111473084
**Field investigator:** S.Tam/R.Baker
**Contractor:** Maple Leaf Drilling LTD.
**Method:** GeoProbe 3230DT HSA/HQ Coring
**Date started/completed:** 28-Jan-2025 / 10-Feb-2025

SUBSURFACE PROFILE



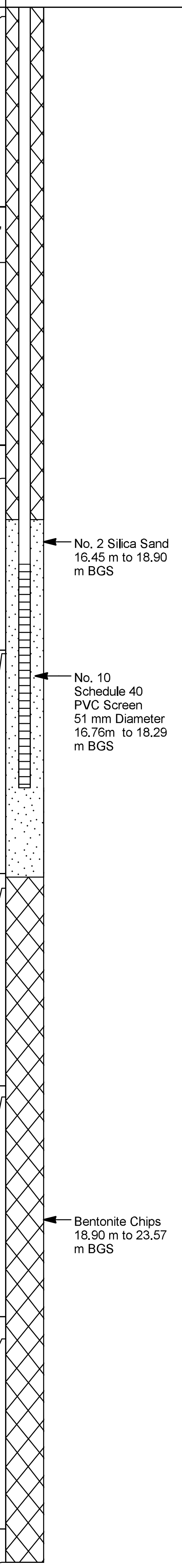
| Lithologic Description | Elevation (m AMSL) Depth (m BGS) |
|---|---|
| SAND AND GRAVEL<br>fine grained sand, trace medium and coarse sand, trace silt, fine and coarse gravel, some cobbles, trace boulders, sub-angular to sub-rounded, olive gray (5Y 4/2), wet, compact to very dense | |
| becoming very dark grey (10YR 3/1) at 15.95 m BGS | |
| SILTY SAND<br>fine, medium and coarse grained sand, fine and coarse gravel, sub-rounded to sub-angular, dark grey (2.5Y 4/1), wet, compact to very dense, no structure, diamicton | 82.69<br>18.87 |
| End of Borehole | 77.99<br>23.57 |

SAMPLE DETAILS

| Sample Number | Sample Type | Recovery | N Value |
|---|---|---|---|
| 15 | SS | 100% | (50/3.0") |
| 16 | CC | 40"<br>67% | n/a |
| 17 | SS | 7"<br>47% | 5-10-50/3.0"<br>(50/3.0") |
| 18 | CC | 49"<br>77% | n/a |
| 19 | SS | 7"<br>78% | 43-50/3.0"<br>(50/3.0") |
| 20 | CC | 21"<br>38% | n/a |
| 21 | SS | 0"<br>0% | 50/1.0"<br>(50/1.0") |
| 22 | CC | 12"<br>20% | n/a |
| 23 | SS | 3"<br>76% | 50/4.0"<br>(50/4.0") |
| 24 | CC | 45"<br>79% | n/a |
| 25 | SS | 1"<br>33% | 50/3.0"<br>(50/3.0") |
| 26 | CC | 24"<br>39% | n/a |
| 27 | SS | 1"<br>17% | 50<br>(0) |
| 28 | CC | 24"<br>42% | n/a |
| 29 | SS | 1"<br>11% | 14-50/3.0"<br>(50/3.0") |

WELL DETAILS

| | | | |
|---|---|---|---|
| Name: | MWM-15D | Name: | MWM-15S |
| GS Elev: | 101.56 m AMSL | GS Elev: | 101.59 m AMSL |
| TOC Elev: | 101.80 m AMSL | TOC Elev: | 101.87 m AMSL |
| Easting: | 383312 | Easting: | 383310 |
| Northing: | 6308151 | Northing: | 6308151 |
| Stick-up: | 0.63 m | Stick-up: | 0.75 m |



Notes:
m AMSL - metres above mean sea level
m BGS - metres below ground surface
BTOC - metres below top of casing
S - split-spoon sample
C - continuous core sample
a - not available

HSA - Hollow Stem Auger

Drawn By/Checked By: S.T., R.B./ M.J.F.

# Monitoring Well: MWM-16

**Project:** Lynn Lake Gold Project
**Client:** Alamos Gold Inc.
**Location:** Adjacent to southern boundary of MRSA
**Number:** 111473084

**Field investigator:** R.Dong, J.Murray, R.Baker
**Contractor:** Maple Leaf Drilling LTD.
**Method:** GeoProbe 3230DT HSA/HQ Coring
**Date started/completed:** 28-Feb-2025 / 14-Mar-2025

## SUBSURFACE PROFILE

| Lithologic Description | Elevation (m AMSL) Depth (m BGS) |
|---|---|
| | 101.87 |
| Ground Surface | 101.21 |
| **PEAT**<br>some silt, trace sand, (10YR 2/2), very dark brown, moist, compact | 0.00 |
| **SILTY SAND**<br>Fine grained sand, trace medium and coarse sand, trace fine gravel, subrounded, greyish brown (10YR 5/2), moist, compact<br>seam of silty clay 0.15 m thick at 0.76 m BGS<br>becoming dark greyish brown (10YR 4/2) at 3.81 m BGS<br>coarse gravel beginning at 6.15 m BGS<br>seam of silty clay 0.10 m thick at 10.67 m BGS | 101.11<br>0.10 |
| **SAND**<br>fine grained sand, trace medium and coarse sand, dark grey (10YR 4/1), wet, homogeneous | 90.24<br>10.97 |
| **SILTY SAND**<br>Fine grained sand, few medium and coarse grained sand, little fine and coarse gravel, trace cobbles, trace boulders, subangular to subrounded, dark grey (10YR 4.1), wet, compact to very dense, diamicton | 89.17<br>12.04 |

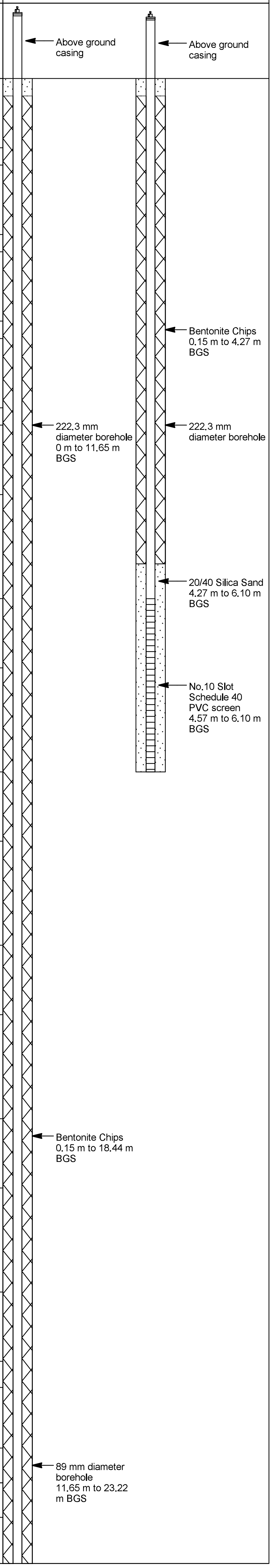
Depth (ft): 0, 5, 10, 15, 20, 25, 30, 35, 40
Depth (m): 0, 2, 4, 6, 8, 10, 12

## SAMPLE DETAILS

| Sample Number | Sample Type | Recovery | N Value |
|---|---|---|---|
| 1 | SS | 16"<br>67% | 19-16-9-8<br>(25) |
| 2 | SS | 14"<br>58% | 4-10-12-23<br>(22) |
| 3 | SS | 17"<br>71% | 8-10-12-14<br>(22) |
| 4 | SS | 11"<br>46% | 9-14-13-14<br>(27) |
| 5 | SS | 13"<br>54% | 9-11-12-13<br>(23) |
| 6 | SS | 16"<br>67% | 6-10-8-8<br>(18) |
| 7 | SS | 16"<br>67% | 6-14-6-7<br>(20) |
| 8 | SS | 14"<br>58% | 8-12-16-21<br>(28) |
| 9 | SS | 14"<br>58% | 20-34-31-22<br>(65) |
| 10 | SS | 24"<br>100% | 20-30-18-20<br>(48) |
| 11 | CC | 15.5"<br>47% | n/a |
| 12 | SS | 14"<br>58% | 14-33-29-42<br>(62) |

## WELL DETAILS

| | | | |
|---|---|---|---|
| Name: | MWM-16A | Name: | MWM-16B |
| GS Elev: | 101.21 m AMSL | GS Elev: | 101.22 m AMSL |
| TOC Elev: | 101.46 m AMSL | TOC Elev: | 101.46 m AMSL |
| Easting: | 382384 | Easting: | 382383 |
| Northing: | 6308028 | Northing: | 6308028 |
| Stick-up: | 0.66 m | Stick-up: | 0.62 m |



Notes:
m AMSL - metres above mean sea level
m BGS - metres below ground surface
BTOC - metres below top of casing
S - split-spoon sample
C - continuous core sample
a - not available

HSA - Hollow Stem Auger

Drawn By/Checked By: R.B. / M.J.F.

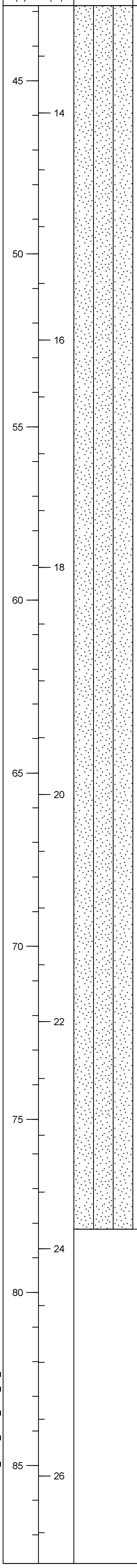
STANTEC BOREHOLE AND WELL - CLUST 11X17 ALAMOS_GOLD_LYNN_LAKE_BH_LOGS.GPJ STANTEC - DATA TEMPLATE.GDT 2/13/26 RACBAKER

# Monitoring Well: MWM-16

**Project:** Lynn Lake Gold Project
**Client:** Alamos Gold Inc.
**Location:** Adjacent to southern boundary of MRSA
**Number:** 111473084
**Field investigator:** R.Dong, J.Murray, R.Baker
**Contractor:** Maple Leaf Drilling LTD.
**Method:** GeoProbe 3230DT HSA/HQ Coring
**Date started/completed:** 28-Feb-2025 / 14-Mar-2025

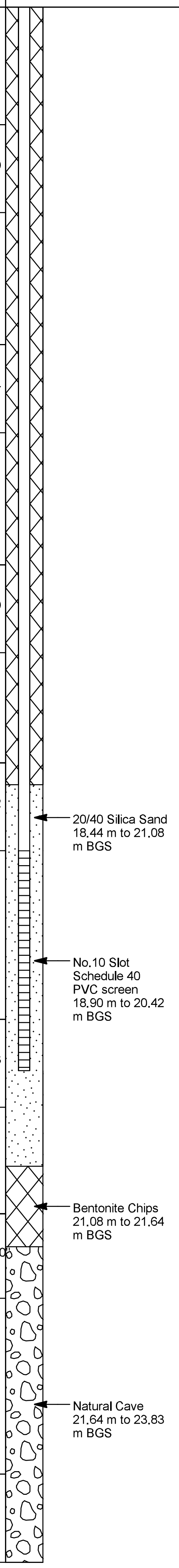
SUBSURFACE PROFILE | SAMPLE DETAILS | WELL DETAILS

| Name: | MWM-16A | Name: | MWM-16B |
|---|---|---|---|
| GS Elev: | 101.21 m AMSL | GS Elev: | 101.22 m AMSL |
| TOC Elev: | 101.46 m AMSL | TOC Elev: | 101.46 m AMSL |
| Easting: | 382384 | Easting: | 382383 |
| Northing: | 6308028 | Northing: | 6308028 |
| Stick-up: | 0.66 m | Stick-up: | 0.62 m |



| Lithologic Description | Elevation (m AMSL) Depth (m BGS) |
|---|---|
| SILTY SAND<br>Fine grained sand, few medium and coarse grained sand, little fine and coarse gravel, trace cobbles, trace boulders, subangular to subrounded, dark grey (10YR 4,1), wet, compact to very dense, diamicton<br>trace clay starting at 20.06 m BGS | 77,38 |
| End of Borehole | 23,83 |

| Sample Number | Sample Type | Recovery | N Value |
|---|---|---|---|
| 13 | CC | 10"<br>17% | n/a |
| 14 | SS | 11"<br>46% | 19-26-26-30<br>(52) |
| 15 | CC | 16"<br>27% | n/a |
| 16 | SS | 9"<br>38% | 10-16-15-24<br>(31) |
| 17 | CC | 3"<br>5% | n/a |
| 18 | SS | 2"<br>8% | 21-42-49-50<br>(91) |
| 19 | CC | 0"<br>0% | n/a |
| 20 | SS | 6"<br>25% | 95-41-63-42<br>(104) |
| 21 | CC | 16"<br>23% | n/a |
| 22 | SS | 18"<br>75% | 11-10-11-16<br>(21) |
| 23 | CC | 14"<br>26% | n/a |
| 24 | SS | 17"<br>74% | 7-15-38-50/5.0"<br>(53) |
| 25 | CC | 17"<br>24% | n/a |
| 26 | SS | 0"<br>0% | 5-4-10-13<br>(14) |



Notes:
m AMSL - metres above mean sea level
m BGS - metres below ground surface
BTOC - metres below top of casing
- split-spoon sample
- continuous core sample
a - not available

HSA - Hollow Stem Auger

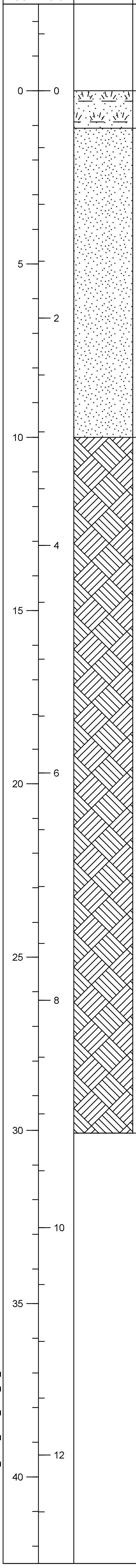
Drawn By/Checked By: R.B. / M.J.F.

# *Monitoring Well: MWM-17*

**Project:** Lynn Lake Gold Project
**Client:** Alamos Gold Inc.
**Location:** East of open pit and tributary of Keewatin River
**Number:** 111473084

**Field investigator:** R.Baker
**Contractor:** Maple Leaf Drilling LTD.
**Method:** GeoProbe 3230DT HSA/HQ Coring
**Date started/completed:** 15-Jan-2025 / 26-Jan-2025

SUBSURFACE PROFILE



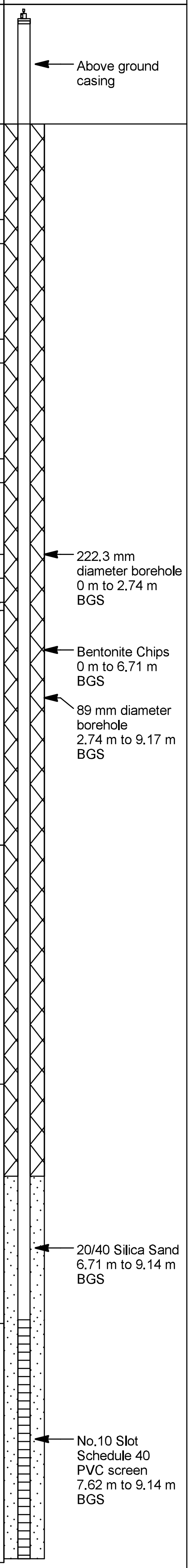
| Elevation (m AMSL) Depth (m BGS) | Lithologic Description |
|---|---|
| 103.61 | |
| 102.85<br>0.00 | Ground Surface<br>PEAT<br>trace sand, wood, roots, very dark brown (10YR 2/2), dry, soft |
| 102.52<br>0.33 | SAND<br>fine, medium and coarse grained sand, trace silt, trace fine gravel, sub-rounded, brown (10YR 5/3), dry, compact to dense<br>becoming yellowish brown (10YR 5/4) at 0.41 m BGS<br>becoming light brownish grey (2.5Y 6/2) at 0.76 m BGS<br>becoming brownish grey (2.5YR 5/2) and moist at 1.52 m BGS |
| 99.80<br>3.05 | BEDROCK<br>grey, quartz veins, multiple fractures |
| 93.68<br>9.17 | End of Borehole |

SAMPLE DETAILS

| Sample Number | Sample Type | Recovery | SCR | RQD | Fractures per 1.52m | N Value |
|---|---|---|---|---|---|---|
| 1 | SS | 14"<br>58% | n/a | n/a | n/a | 6-5-4-4<br>(9) |
| 2 | SS | 12"<br>50% | n/a | n/a | n/a | 11-10-17-12<br>(27) |
| 3 | SS | 10"<br>42% | n/a | n/a | n/a | 11-8-25-29<br>(33) |
| 4 | SS | 10"<br>42% | n/a | n/a | n/a | 15-14-29-15<br>(43) |
| 5 | SS | 0"<br>0% | n/a | n/a | n/a | 50/2.0"<br>(50/2.0") |
| 6 | CC | 73"<br>100% | 60"<br>82% | 63"<br>86% | 5 | n/a |
| 7 | CC | 61"<br>102% | 58.5"<br>98% | 58"<br>97% | 5 | n/a |
| 8 | CC | 58"<br>97% | 55"<br>92% | 53.5"<br>89% | 4 | n/a |
| 9 | CC | 57"<br>95% | 53"<br>88% | 51"<br>85% | 4 | n/a |

WELL DETAILS

| | |
|---|---|
| Name: | MWM-17 |
| GS Elev: | 102.85 m AMSL |
| TOC Elev: | 103.11 m AMSL |
| Easting: | 382473 |
| Northing: | 6307367 |
| Stick-up: | 0.79 m |



Notes:
m AMSL - metres above mean sea level
m BGS - metres below ground surface
BTOC - metres below top of casing
S - split-spoon sample
C - continuous core sample
a - not available

HSA - Hollow Stem Auger

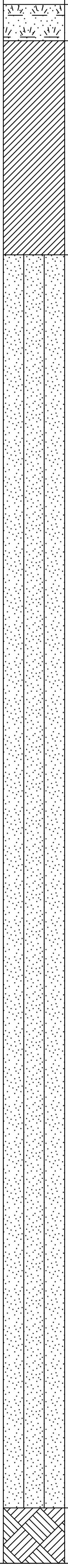
| | |
|---|---|
| Screen Interval: | 7.62 - 9.14 m BGS |
| Sand Pack Interval: | 6.71 - 9.14 m BGS |
| Well Seal Interval: | 0.00 - 6.71 m BGS |

Drawn By/Checked By: S.T., R.B./ M.J.F.

# Monitoring Well: MWM-18

**Project:** Lynn Lake Gold Project
**Client:** Alamos Gold Inc.
**Location:** East of open pit and tributary of Keewatin River
**Number:** 111473084
**Field investigator:** J.Murray
**Contractor:** Maple Leaf Drilling LTD.
**Method:** GeoProbe 3230DT HSA/HQ Coring
**Date started/completed:** 05-Mar-2025 / 08-Mar-2025

SUBSURFACE PROFILE



| Lithologic Description | Elevation (m AMSL) Depth (m BGS) |
|---|---|
| | 100.21 |
| Ground Surface | 99.61 |
| PEAT<br>organics, roots, sand, dark brown to black (10YR 3/3 to 10YR 2/1), frozen, firm | 0.00 |
| CLAY<br>dark greyish brown (10YR 3/2) frozen, stiff to very stiff, poorly graded, homogeneous | 99.31<br>0.30 |
| colour change to brown (10YR 5/3) at 0.89 m BGS | |
| SILTY SAND<br>fine grained sand, some medium and coarse grained sand, few gravel, trace cobbles, trace boulders, subangular, pale brown (10YR 6/3), frozen, dense to very dense, diamicton | 97.51<br>2.11 |
| becoming brown (10YR 5.3) at 3.86 m BGS | |
| seam of sandy clayey silt from 4.72 m to 5.03 m BGS | |
| becoming grayish brown (10YR 5/2) at 6.91 m BGS | |
| Bedrock<br>black (10YR 2/1), quartz seams | 86.96<br>12.65 |

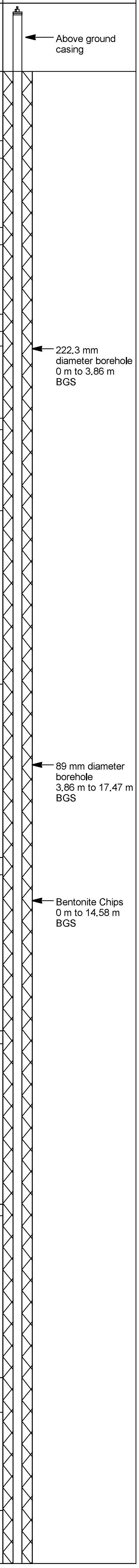
Depth (ft): 0, 5, 10, 15, 20, 25, 30, 35, 40
Depth (m): 0, 2, 4, 6, 8, 10, 12

SAMPLE DETAILS

| Sample Number | Sample Type | Recovery | SCR | RQD | Fractures per 1.52m | N Value |
|---|---|---|---|---|---|---|
| 1 | SS | 24"<br>100% | n/a | n/a | n/a | 8-9-18-13<br>(27) |
| 2 | SS | 24"<br>100% | n/a | n/a | n/a | 8-10-8-14<br>(18) |
| 3 | SS | 24"<br>100% | n/a | n/a | n/a | 7-9-9-50<br>(18) |
| 4 | SS | 5"<br>99% | n/a | n/a | n/a | 50/5.0"<br>(50/5.0") |
| 5 | SS | 4"<br>100% | n/a | n/a | n/a | 50/4.0"<br>(50/4.0") |
| 6 | CC | 53"<br>88% | n/a | n/a | n/a | n/a |
| 7 | CC | 15"<br>25% | n/a | n/a | n/a | n/a |
| 8 | SS | 6"<br>100% | n/a | n/a | n/a | 56<br>(0) |
| 9 | CC | 54"<br>90% | n/a | n/a | n/a | n/a |
| 10 | SS | 4"<br>89% | n/a | n/a | n/a | 51/4.5"<br>(51/4.5") |
| 11 | CC | 52"<br>87% | n/a | n/a | n/a | n/a |
| 12 | SS | 4"<br>100% | n/a | n/a | n/a | 50/4.0"<br>(50/4.0") |
| 13 | CC | 57"<br>95% | n/a | n/a | n/a | n/a |
| 14 | SS | 2"<br>17% | n/a | n/a | n/a | 1-50<br>(50) |
| 15 | CC | 39"<br>85% | n/a | n/a | n/a | n/a |

WELL DETAILS

Name: MWM-18
GS Elev: 99.61 m AMSL
TOC Elev: 99.88 m AMSL
Easting: 382182
Northing: 6306387
Stick-up: 0.60 m



Notes:
m AMSL - metres above mean sea level
m BGS - metres below ground surface
BTOC - metres below top of casing
S - split-spoon sample
C - continuous core sample
a - not available

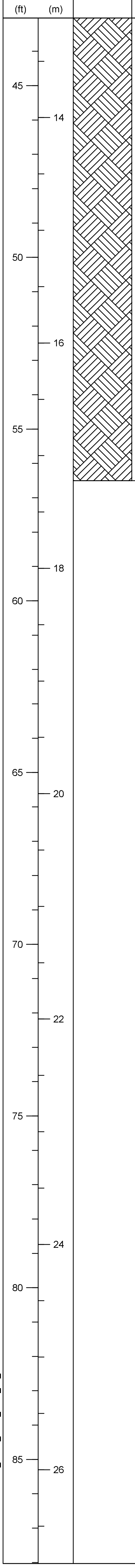
HSA - Hollow Stem Auger

Screen Interval: 15.21 - 16.74 m BGS
Sand Pack Interval: 14.58 - 17.22 m BGS
Well Seal Interval: 0.00 - 14.58 m BGS

Drawn By/Checked By: R.B. / M.J.F.

# Monitoring Well: MWM-18

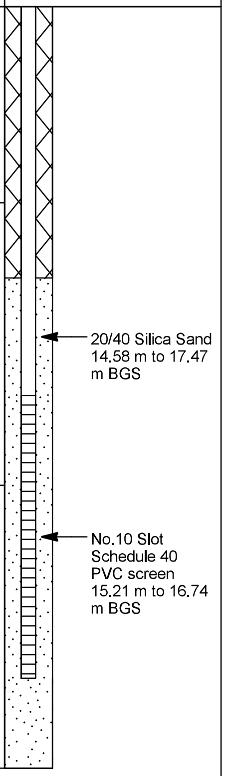
| | | | |
|---|---|---|---|
| **Project:** | Lynn Lake Gold Project | **Field investigator:** | J.Murray |
| **Client:** | Alamos Gold Inc. | **Contractor:** | Maple Leaf Drilling LTD. |
| **Location:** | East of open pit and tributary of Keewatin River | **Method:** | GeoProbe 3230DT HSA/HQ Coring |
| **Number:** | 111473084 | **Date started/completed:** | 05-Mar-2025 / 08-Mar-2025 |



| SUBSURFACE PROFILE | | SAMPLE DETAILS | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Lithologic Description | Elevation (m AMSL) Depth (m BGS) | Sample Number | Sample Type | Recovery | SCR | RQD | Fractures per 1.52m | N Value |
| Bedrock<br>black (10YR 2/1), quartz seams | | 16 | CC | 60"<br>100% | 52.5"<br>88% | 52"<br>87% | 5 | n/a |
| | | 17 | CC | 60"<br>100% | 53"<br>88% | 58"<br>97% | 5 | n/a |
| | 82.39<br>17.22 | 18 | CC | 60"<br>100% | 60"<br>100% | 60"<br>100% | 2 | n/a |
| End of Borehole | | | | | | | | |

WELL DETAILS

Name: MWM-18
GS Elev: 99.61 m AMSL
TOC Elev: 99.88 m AMSL
Easting: 382182
Northing: 6306387
Stick-up: 0.60 m



Notes:
m AMSL - metres above mean sea level
m BGS - metres below ground surface
BTOC - metres below top of casing
S - split-spoon sample
C - continuous core sample
a - not available

HSA - Hollow Stem Auger

Screen Interval: 15.21 - 16.74 m BGS
Sand Pack Interval: 14.58 - 17.22 m BGS
Well Seal Interval: 0.00 - 14.58 m BGS

Drawn By/Checked By: R.B. / M.J.F.

## Appendix D

## 2025 Air Quality Management and Monitoring Plan – Annual Report

# Lynn Lake Gold Project: 2025 Air Quality Management and Monitoring Plan – Annual Report

March 12, 2026

Prepared for:
Alamos Gold Inc.

Prepared by:
Stantec Consulting Ltd.

Project/File:
123515740.301.101

Stantec

# Executive Summary

This 2025 Air Quality Management and Monitoring Plan – Annual Report was prepared to summarize the air quality monitoring data collected at the Lynn Lake Gold Project (the Project) in fulfillment of Condition 17 (Licence No. 3390 and 3391) (The Government of Manitoba 2023) and Condition 2.5 (Federal Decision Statement).

Alamos Gold Inc. (Alamos) commenced construction of the Project in February 2025. In the 2025 reporting year, no construction activities took place at the Gordon site. Construction activities commenced only at the MacLellan site and were limited because of forest fires and associated evacuations. Specifically, construction activities took place between February 17, 2025, and May 27, 2025, and again between November 20, 2025 and December 31, 2025. The activities included demolition of historic infrastructure, site clearing, earthworks, and limited blasting activities associated with non-acid-generating material for construction aggregate purposes. This report relates to the Air Quality Management and Monitoring Plan (Version 0, January 2025) (the Plan) and summarizes data collected between January 1, 2025 and December 31, 2025. Monitoring at the MacLellan site included:

- Continuous (15-minute) monitoring of total suspended particulate (TSP), coarse particulate matter ($PM_{10}$), and fine particulate matter ($PM_{2.5}$) at two monitoring stations (Area A and Town (within the Town of Lynn Lake)).
- Passive (monthly) monitoring for dustfall at five stations (station B, station C, and stations E, F, and G).

Data completeness for continuous particulate monitoring was 95%, excluding the wildfire evacuation period (May 29, 2025 to October 8, 2025). Monthly dustfall sample collection efficiency was 100%.

Elevated TSP, $PM_{10}$, and $PM_{2.5}$ concentrations were measured during May 24 to May 28, 2025 and were attributed to regional wildfire smoke. During this period, measured 15-minute concentrations exceeded Manitoba Ambient Air Quality Criteria (AAQC) for 24-hour average TSP, $PM_{10}$, and $PM_{2.5}$. Excluding the wildfire period, the measured particulate concentrations were below the applicable Manitoba AAQC (MSC 2005).

Monthly dustfall results at all monitoring stations were below the Ontario AAQC. Total metal concentrations in dustfall samples were predominantly less than detection limits.

Continuous meteorology monitoring at the Project was not conducted during 2025; however, meteorological data from the Environment and Climate Change Canada (ECCC) Lynn Lake Reference Climate Station (RCS) were summarized for context. Continuous $NO_2$ monitoring will be conducted during Year 4 of Project operation following approval of the NOA/NOC.

Excluding the influence of wildfire smoke, air emissions from 2025 construction activities at the MacLellan site did not result in ambient particulate or dustfall levels exceeding applicable criteria. No air quality actions or adaptive management responses were required during the 2025 construction period.

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# 1 Introduction

Alamos Gold Inc. (Alamos) commenced construction of the Lynn Lake Gold Project (the Project) (see Map 1, Appendix A) in February 2025 following receipt of federal and provincial approvals, including the amended Decision Statement issued under the Canadian Environmental Assessment Act, 2012 and Environment Act Licences No. 3390 and 3391 issued by the Province of Manitoba.

In accordance with Condition 17 of the provincial licences and Condition 2.5 of the federal Decision Statement, Alamos developed and implemented a suite of Management and Monitoring Plans prior to construction, including the Air Quality Management and Monitoring Plan (Version 0, January 2025) (the Plan) (Alamos 2025). The Plan establishes monitoring requirements, performance criteria, reporting obligations, and adaptive management measures related to air quality during Project development and operation.

This Annual Report presents the air quality monitoring activities undertaken in 2025 in accordance with the Plan and summarizes compliance with applicable regulatory criteria and licence conditions. The report describes the monitoring program implemented during the reporting period, outlines data completeness and quality assurance considerations, and provides an assessment of results relative to established ambient air quality objectives.

## 1.1 Purpose

The Project is authorized to discharge fugitive dust and other emissions, subject to the conditions of the Licence No. 3391 and 3390 and the Federal Decision Statement. The Plan (Alamos 2025) requires that an air quality report from the monitoring program must be submitted annually no later than March 31 following each reporting year, to regulatory authorities and shared with interested Indigenous Nations and stakeholders. This annual compliance report 2025 is submitted to fulfill requirements of the Condition 17 (Licence No. 3390 and 3391) and Condition 2.5 (Federal Decision Statement) and the Plan (Alamos 2025).

## 1.2 Regulatory Context

As stated in Section 1.4 of the Plan (Alamos 2025), the measured TSP concentrations are compared with Manitoba Ambient Air Quality Criteria (AAQC) (MSD 2005) for 24-hour average TSP (120 micrograms per cubic metre [$\mu g/m^3$]). For $PM_{10}$ and $PM_{2.5}$, the monitoring results are compared with the 24-hour average Manitoba AAQC (MSD 2005) of 50 $\mu g/m^3$ and of 30 $\mu g/m^3$, respectively. As per Section 2.2 of the Plan (Alamos 2025), the measured monthly average dustfall values are compared with the monthly average Ontario AAQC (ON MECP 2020) of 2.33 square decimeter per day ($mg/dm^2$/day) because there is no Manitoba AAQC for dustfall.

# 2 Monitoring Methods

Air quality monitoring was conducted per the methods and analysis recommended by the US EPA Quality Assurance Handbook for the Air Pollution Measuring Systems (US EPA 2008, US EPA 2017), the Operations Manual for Air Quality Monitoring in Ontario (ON MECP 2018) and the British Columbia Field Sampling Manual (BC MOECCS 2020).

Section of 4.3 and 4.4 of the Plan (Alamos 2025) details the ambient air quality monitoring sites and the monitoring methods.

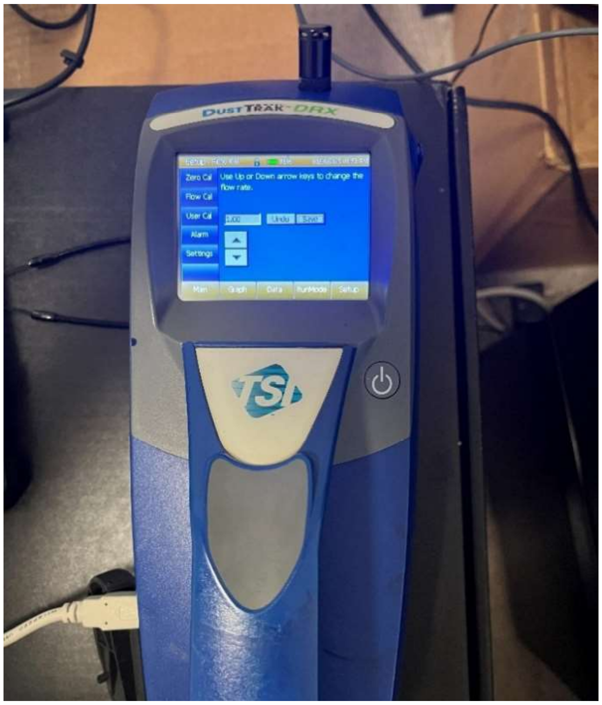
## 2.1 Continuous Ambient Monitors for TSP, $PM_{10}$, and $PM_{2.5}$

Section 4.4.2 of the Plan (Alamos 2025) specified that the GRIMM EDM 180 would be used to continuously monitor ambient of TSP, $PM_{10}$ and $PM_{2.5}$ concentrations. Logistical constraints – specifically a lack of continuous power at the monitoring locations - prevented the installation of the GRIMM EDM 180 air samplers during 2025. Accordingly, during 2025, two TSI DustTrak DRX Model 8534 air samplers were rented and used for 15-minute average monitoring for TSP, $PM_{10}$ and $PM_{2.5}$ at two locations: Area A (a temporary construction laydown area along the MacLellan site access road) and Town (beside the Core Shack in the Town of Lynn Lake) (see Map 2, Appendix A). Photos 2.1 and 2.2 show the TSI DustTrak DRX Model 8534 air sampler that was used to monitor the 15-minute average TSP, $PM_{10}$ and $PM_{2.5}$ concentrations in ambient air at the Area A and station B locations during 2025.

The TSI DustTrak DRX Model 8534 air sampler can simultaneously measure both mass and size fraction. The DustTrak DRX handheld monitor is a battery operated, data-logging, light-scattering laser photometers that provides real-time aerosol mass readings. It uses a sheath air system that isolates the aerosol in the optics chamber to keep the optics clean for improved reliability and low maintenance. It is suitable for clean office settings as well as harsh industrial workplaces, construction and environmental sites and other outdoor applications. The DustTrak DRX monitor measures aerosol contaminants such as dust, smoke, fumes and mists.

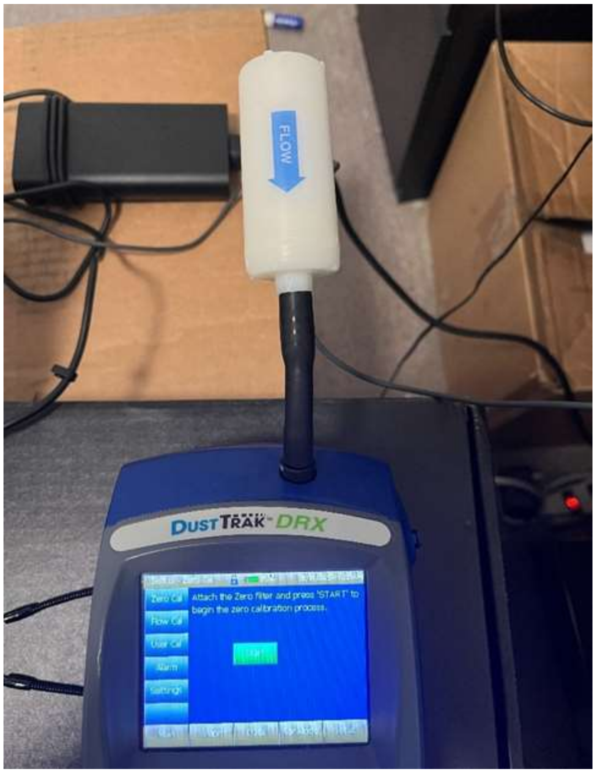
The TSI DustTrak monitors were calibrated prior to use. The calibration certificates for the DustTrak DRX monitors are included in Appendix F.

*Photo 2.1 TSI DustTrak DRX Model 8534 sampler*



Use Up or Down arrow keys to change the flow rate.

*Photo 2.2 TSI DustTrak DRX Model 8534 sampler with zero calibration in progress.*



Attach the Zero filter and press "START" to begin the zero calibration process.

## 2.2 Dustfall Monitoring

As required in Section 4.4.3 of the Plan (Alamos 2025), monthly dustfall monitoring was performed using a passive sampling method and following American Standard Test Method (ASTM, 2017). Total dustfall is measured in milligrams per square decimetre per day (mg/dm$^2$/day).

As per the Section 4.4.3 of the Plan (Alamos 2025), sampling is carried out in accordance with procedures described in the British Columbia Field Sampling Manual – Part B1 Air and Emissions Testing (BC ENVP 2024). Photos 2.3 to 2.6 show dustfall collectors at station B, E, F, and G (photos taken in 2025).

*Photo 2.3 Dustfall Collectors at the Station B (2025)*

*Photo 2.4 Dustfall Collectors at the Station E (2025)*

*Photo 2.5 Dustfall Collectors at the Station F (2025)*

*Photo 2.6 Dustfall Collectors at the Station G (2025)*

## 2.3 Meteorology

Continuous meteorology monitoring at the Project monitoring stations was not conducted during 2025. Project specific meteorology stations were not able to be installed during 2025 due to logistical constraints – specifically lack of continuous power and the wildfire evacuations (Alamos 2025). However, during 2025, meteorology data was collected from the ECCC Lynn Lake Reference Climate Station (RCS) and is summarized and compared with the ECCC Lynn Lake 30-year climate normals for 1991-2020 (ECCC 2026b).

# 3 Monitoring Results

## 3.1 Gordon Site

During 2025, no construction activities took place and therefore no ambient air quality monitoring was conducted at the Gordon site.

## 3.2 MacLellan Site

Limited construction activities took place during 2025 at the MacLellan site because of forest fires and associated evacuations. Construction activities took place between February 17, 2025 and May 27, 2025 and again between November 20, 2025 and December 31, 2025. Ambient air quality monitoring data for TSP, $PM_{10}$, $PM_{2.5}$ concentrations was collected between February 18, 2025 and May 28, 2025 and again between October 9, 2025 and December 19, 2025. Dustfall monitoring data were collected for March to April, April to May, May to October, October to November, November to December, and December to January.

### 3.2.1 DustTrak TSP, $PM_{10}$, and $PM_{2.5}$

Alamos conducted continuous 15-minute monitoring for TSP, $PM_{10}$, and $PM_{2.5}$ concentrations at two monitoring locations during 2025, Area A (core farm and temporary construction laydown area along the MacLellan site access road) and Town (beside the Core Shack in the Town of Lynn Lake) (see Map 2, Appendix A).

A summary table and charts for the 2025 TSP, $PM_{10}$, and $PM_{2.5}$ concentration monitoring results are presented in Appendix B and Appendix D, respectively. Appendix B summarizes the measured 2025 15-minute average TSP, $PM_{10}$, and $PM_{2.5}$ concentrations at the Area A and Town monitoring locations and due to the suspension of construction activities the data is presented for two periods during 2025 (i.e., before and after the cessation of construction activities due to a mandatory evacuation due to wildfires).

Appendix B summarizes the 2025 measured 15-minute average TSP, $PM_{10}$, and $PM_{2.5}$ concentrations at the Area A and Town monitoring locations. Appendix D-1 and D-2 provide graphs summarizing the 2025 measured 15-minute average TSP, $PM_{10}$, and $PM_{2.5}$ concentrations at the Area A and Town monitoring locations. Table 3.1 summarizes the 2025 monthly and annual mean 15-minute average TSP, $PM_{10}$, and $PM_{2.5}$ concentrations at the Area A and Town monitoring stations, respectively. The monitoring results were as follows:

- The maximum measured 15-minute average TSP concentration was 258 $\mu g/m^3$ on May 1, 2025 at Town, which was greater than the Manitoba Ambient Air Quality Criteria (AAQC) (MSD 2005) for 24-hour average TSP (120 $\mu g/m^3$). Although the measured 15-minute TSP concentration was greater than the 24-hour average AAQC for TSP, the measured 15-minute TSP concentrations in the succeeding days were below the 24-hour average Manitoba AAQC for TSP.

- During the wildfire period, the measured 15-minute average TSP concentrations were 150 µg/m$^3$ on May 26, 2025 at the Area A monitoring station, 169 µg/m$^3$ on May 26, 2025 and 164 µg/m$^3$ on May 28, 2025 at the Town monitoring location. These elevated TSP concentrations were greater than the Manitoba AAQC for 24-hour average TSP concentrations (120 µg/m$^3$) and attributed to wildfire smoke.
- The remainder of the measured 15-minute average TSP concentrations were less than the Manitoba AAQC for 24-hour average TSP (120 µg/m$^3$).
- Excluding the monitoring that occurred during the wildfire period of May 24 to May 28, and based on 153 out of a total of 159 samples during 2025, the annual mean 15-minute average TSP concentrations were 11.7 µg/m$^3$ and 19.0 µg/m$^3$ at Area A and Town monitoring station (Table 3.1), respectively, both annual and monthly means (Table 3.1) were less than the Manitoba AAQC (MSC 2005) for 24-hour average TSP concentrations (120 µg/m$^3$).
- The maximum measured 15-minute average $PM_{10}$ and $PM_{2.5}$ concentrations were 142 µg/m$^3$ and 139 µg/m$^3$, respectively, which both occurred at Town monitoring location on May 26, 2025; were greater than the Manitoba AAQC for 24-hour average $PM_{10}$ (50 µg/m$^3$) and $PM_{2.5}$ concentrations (30 µg/m$^3$), respectively; and occurred during the wildfire period.
- During the 2025 wildfire period, the measured 15-minute average $PM_{10}$ concentrations that were greater than the Manitoba AAQC for 24-hour average $PM_{10}$ (50 µg/m$^3$) included:
  - at Area A: 52 µg/m$^3$ on May 24, 129 µg/m$^3$ on May 26, and 56 µg/m$^3$ on May 28.
  - at Town: 60 µg/m$^3$ on May 24, 93 µg/m$^3$ on May 25, 142 µg/m$^3$ on May 26, and 58 µg/m$^3$ on May 28.
- During the 2025 wildfire period, the measured 15-minute average $PM_{2.5}$ concentrations which were greater than the Manitoba AAQC for 24-hour average $PM_{2.5}$ (30 µg/m$^3$) were:
  - at Area A: 51 µg/m$^3$ on May 24, 44 µg/m$^3$ on May 25, 125 µg/m$^3$ on May 26, and 53 µg/m$^3$ on May 28.
  - at Town: 54 µg/m$^3$ on May 24, 91 µg/m$^3$ on May 25, 47 µg/m$^3$ on May 25, and 31 µg/m$^3$ on May 28.
- The remainder of the measured 15-minute average $PM_{10}$ and $PM_{2.5}$ concentrations were less than the Manitoba AAQC 24-hour average $PM_{10}$ (50 µg/m$^3$) and $PM_{2.5}$ concentrations (30 µg/m$^3$), respectively.
- Excluding the monitoring that occurred during the wildfire period of May 24 to May 28, 2025, and based on 153 out of a total of 159 samples during 2025, the annual mean 15-minute average $PM_{10}$ and $PM_{2.5}$ concentrations were 9.4 µg/m$^3$ and 8.8 µg/m$^3$ at the Area A monitoring station (Table 3.1), respectively. The annual mean 15-minute average $PM_{10}$ and $PM_{2.5}$ concentrations were 11.9 µg/m$^3$ and 9.7 µg/m$^3$ at Town monitoring location (Table 3.1), respectively, both annual and monthly means (Table 3.1) were less than the Manitoba AAQC for 24-hour average $PM_{10}$ (50 µg/m$^3$) and $PM_{2.5}$ (30 µg/m$^3$) concentrations.
- The data completeness for monitoring TSP, $PM_{10}$, and $PM_{2.5}$ at both Area A and station B monitoring stations is 95%, excluding May 29 to October 8, 2025 period that coincided with wildfires and the associated evacuations.

There was no monitoring conducted for TSP, $PM_{10}$, and $PM_{2.5}$ between May 29, 2025 to October 8, 2025 due to a mandatory evacuation due to wildfires.

*Table 3.1 2025 Monthly and Annual Mean 15 Minute Average TSP, $PM_{10}$, and $PM_{2.5}$*

| **Monitoring Station** | **Area A (µg/m$^3$) [1]** | | | **Town (µg/m$^3$) [1]** | | |
|---|---|---|---|---|---|---|
| **Month** | **TSP** | **$PM_{10}$** | **$PM_{2.5}$** | **TSP** | **$PM_{10}$** | **$PM_{2.5}$** |
| February | 9.2 | 7.8 | 7.6 | 16.3 | 15.7 | 15.6 |
| March | 11.2 | 9.3 | 9.1 | 10.7 | 9.5 | 9.2 |
| April | 8.5 | 5.9 | 5.4 | 9.8 | 6.2 | 5.5 |
| May | 9.6 | 5.8 | 5.2 | 31.5 | 11.2 | 12.2 |
| October | 6.1 | 4.8 | 4.3 | 18.1 | 10.8 | 8.1 |
| November | 16.4 | 15.8 | 14.9 | 16.0 | 15.0 | 10.7 |
| December | 21.6 | 18.0 | 16.6 | 35.4 | 22.9 | 20.3 |
| Annual | 11.7 | 9.4 | 8.8 | 19.0 | 11.9 | 9.7 |
| Manitoba AAQC | 120 | 50 | 30 | 120 | 50 | 30 |

Notes:

[1] TSP, $PM_{10}$, and $PM_{2.5}$ data provided by Alamos (Alamos 2026b) and data collected during the wildfire excluded.

### 3.2.2 Dustfall

During 2025, ALS Environmental (ALS) conducted the dustfall analyses. ALS is an accredited analytical laboratory with the Canadian Association for Laboratory Accreditation Inc. (CALA). Analyses were conducted in accordance with procedures described in the latest version of British Columbia Environmental Laboratory Manual (BC ENVP 2024).

Alamos conducted monthly dustfall monitoring at five monitoring locations: station B (Town of Lynn Lake), C (the MacLellan site), and stations E, F, and G (along PR 391). These monitoring locations are shown on Map 2 in Appendix A. The summary tables and charts for the 2025 total dustfall monitoring results are presented in Appendix C and Appendix D, respectively. Appendix C summarizes the 2025 dustfall results corresponding to the sampling periods. During 2025, the dustfall canisters passively collected dustfall for 29 or 31 days for each sampling period with one exception. The sampling period between May 5, 2025 and October 11, 2025 (159 days) was due to a mandatory evacuation due to wildfires.

Figure D-3 in Appendix D summarizes the 2025 dustfall monitoring results, which were less than the Ontario's AAQC of 2.33 mg/dm$^2$/day (ON MECP 2020). The highest observed monthly or sampling period dustfall value was 0.91 mg/dm$^2$/day at station C during the May-October sampling period that was biased by the emissions from the wildfire activity. Table 3.2 summarizes the 2025 annual maximum and mean monthly or sampling period average total dustfall at the five monitoring stations, respectively.

During 2025, none of the monthly dustfall samples were missing and therefore the data collection efficiency was 100%.

*Table 3.2 2025 Annual Maximum and Mean Monthly Average Total Dustfall*

| **Dustfall [1] [2]** | **Station B ($mg/dm^2/day$)** | **Station C ($mg/dm^2/day$)** | **Station E ($mg/dm^2/day$)** | **Station F ($mg/dm^2/day$)** | **Station G ($mg/dm^2/day$)** | **Ontario's AAQC [3] ($mg/dm^2/day$)** |
|---|---|---|---|---|---|---|
| Total Dustfall-Maximum | 0.87 | 0.91 | 0.24 | 0.90 | 0.27 | 2.33 |
| Total Dustfall-Mean | 0.33 | 0.37 | 0.22 | 0.44 | 0.23 | 2.33 |

Notes:

[1] Dustfall data and ALS laboratory reports provided by Alamos (Alamos 2026b).

[2] Dustfall canisters of five stations were placed in the field 29 or 31 days for each sampling period except that sampling period May 5, 2025 to October 11, 2025 (159 days) due to a mandatory evacuation due to wildfires.

[3] Ontario's AAQC for 30 days dustfall is 7 $g/m^2$ which is converted into 2.33 $mg/dm^2/day$ and then used to be compared with monthly dust results.

The total metals in dustfall from the one-month monitoring period (October 11, 2025 to November 11, 2025) are summarized in Appendix C. Like the baseline monitoring results, most of the 2025 metal results were less than the laboratory detection limits.

### 3.2.3 Meteorology

Continuous meteorology monitoring at the Project specific stations was not initiated during 2025 due to logistical constraints and the evacuations due to wildfire activity. Monthly air temperature, precipitation, wind speed and wind direction were recorded and are summarized below for the ECCC Lynn Lake Reference Climate Station (RCS) (Climate ID 5061649) 2025 hourly and daily measurements (ECCC 2026a). For comparison, the climate normals for the ECCC station at the Lynn Lake were obtained for the most recently available 30-year period: 1991 to 2020 (ECCC 2026b) for comparison.

#### 3.2.3.1 Ambient Air Temperature

The Lynn Lake RSC's hourly air temperatures were obtained for January to December 2025 (ECCC 2026a) and there were noteworthy data gaps owing to a mandatory evacuation due to wildfires. The data recovery rate was 85 percent (%). The data gaps include a total of 1,352 hours (ECCC 2026a).

A summary of the monthly air temperature at the Lynn Lake RCS is presented in Table E-1 and Figures E-1, E-2, and E-3 in Appendix E. In 2025, the monthly average maximum and minimum air temperatures were +21.6 degrees Celsius (°C) in August and -28.9°C in December, respectively. The monthly mean temperatures ranged from -25.0 °C in December to +15.9°C in August. Data from June, July and September were missing so an annual average air temperature could not be calculated. The most recent 30-year climate normal data of 1991 to 2020 (ECCC 2026b) for the Lynn Lake is provided for comparison to the 2025 data in Table E-1 and Figure E-1, E-2, and E-3 in Appendix E. The comparison is presented to address the three-month data gap for the 2025 Lynn Lake RSC air temperature records.

#### 3.2.3.2 Precipitation

The 2025 daily precipitation data at the Lynn Lake RSC and Lynn Lake station (ECCC stations Climate ID 5061645) were downloaded from ECCC (ECCC 2026a). Due to the wildfire evacuations, six months of precipitation records were missing for the Lynn Lake RSC (e.g., May to October 2025). With the combination of valid daily precipitation of November at Lynn Lake RSC station, the data recovery rate is 50 % which is based on 100% completeness of Reportable A Grade of ECCC (calculated by: (12-6)/12*100=50%).

A summary of monthly precipitation data at the Lynn Lake RCS is presented in Table E-1 and Figure E-4 in Appendix E. In 2025, the highest total precipitation occurred in December (34.7 mm) although no data is available between May and October. The total precipitation values include the water equivalent of all types of precipitation such as rain, hail, and snow. The most recent 30-year climate normal data of 1991 to 2020 (ECCC 2026b) for Lynn Lake is provided for comparison to the 2025 data in Table E-1 and Figure E-4 in Appendix E. The comparison is presented to address the six-month data gap in 2025 Lynn Lake RSC station precipitation records due to the wildfire evacuations.

#### 3.2.3.3 Wind Speed and Wind Direction

The hourly wind speed and direction data at the Lynn Lake RCS were obtained from the ECCC (ECCC 2026a) with the data capture rate was 81%. Data was not available for June 2025. The data gaps include a total of 1,767 missing hours (ECCC 2026a).

Table E-2 in Appendix E summarizes the wind speeds in Lynn Lake RCS during 2025. The monthly average wind speed varied little over the year, ranging from 2.3 m/s in August to 3.5 m/s in November. The monthly maximum wind speed varied from 6.4 m/s in August to 10.8 m/s in November. Figure E-5 in Appendix E is a wind rose illustrating the distribution of wind speed and direction in Lynn Lake RCS from January 1, 2025 to December 31, 2025. Figure E-6 in Appendix E summarizes the distribution of wind speeds during January 1, 2025 to December 31, 2025. The prevailing wind direction is from the west-northwest and secondarily from the northwest. The most frequent range of wind speeds is between 1.0 and 3.0 m/s (44.6%).

# 4 Adaptive Management

The adaptive management and detailed thresholds for adaptive management and Trigger Action Response Plan (TARP) for the MacLellan site are summarized in Section 5.0 of the Plan (Alamos 2025). The adaptive management plan, thresholds and TARP are based on British Columbia's guidance for Developing a Fugitive Dust Management Plan for Industrial Projects (BC MOECCS 2018).

There were no air quality actions/responses required during 2025 (throughout the active construction period) at the MacLellan site because there were no continued exceedances that occurred during the air quality and meteorology monitoring programs that triggered the adaptive management framework.

# 5 Conclusion

This annual compliance report relates to the Plan (Alamos 2025) (the Plan) and data collected and analyzed between February 18, 2025, and May 28, 2025, and again between October 9, 2025 and December 19, 2025.

Monitoring for TSP, $PM_{10}$, and $PM_{2.5}$ using a TSI DustTrak air sampler were conducted at two PM monitoring stations in 2025: Area A (core farm and temporary construction laydown area along the MacLellan site access road) and Town. The maximum measured 15-minute average TSP concentration was 258 µg/$m^3$ on May 1, 2025 at station B, which was greater than the Manitoba AAQC for 24-hour average TSP (120 µg/$m^3$). Although the measured 15-minute TSP concentration was greater than the 24-hour average AAQC for TSP, the measured 15-minute TSP concentrations in the succeeding days were below the 24-hour average Manitoba AAQC for TSP. Excluding the wildfire period of May 24 to May 28 and based on 153 out of a total of 159 samples during 2025, the mean 15-minute average TSP concentrations were 12.0 µg/$m^3$ and 19.0 µg/$m^3$ at Area A and Town monitoring stations, respectively, which were less than the Manitoba AAQC (MSC 2005) for 24-hour average TSP concentrations (120 µg/$m^3$).

Excluding the wildfire period of May 24 to May 28, the measured 15-minute average $PM_{10}$ and $PM_{2.5}$ concentrations were less than the Manitoba AAQC for 24-hour average $PM_{10}$ (50 µg/$m^3$) and $PM_{2.5}$ concentrations (30 µg/$m^3$), respectively. Excluding the wildfire period of May 24 to May 28 and based on 153 out of a total of 159 samples, the mean 15-minute average $PM_{10}$ and $PM_{2.5}$ concentrations were 9.4 µg/$m^3$ and 8.8 µg/$m^3$ at Area A monitoring station, respectively. The mean 15-minute average $PM_{10}$ and $PM_{2.5}$ concentrations were 11.9 µg/$m^3$ and 9.7 µg/$m^3$ at Town, respectively, which were less than the Manitoba AAQC for 24-hour average $PM_{10}$ (50 µg/$m^3$) and $PM_{2.5}$ (30 µg/$m^3$) concentrations. The data completeness for monitoring TSP, $PM_{10}$, and $PM_{2.5}$ at both Area A and Town of Lynn Lake monitoring stations was 95% excluding the May 29, 2025 to October 8, 2025 period that coincided with wildfires and the associated evacuations.

Per Section 4.4.3 of the Plan (Alamos 2025), passive monthly dustfall monitoring using dustfall canisters at five dustfall monitoring stations: station B, C, E, F, G were conducted. The monthly (or sampling period) total dustfall results at five stations were less than the Ontario's AAQC (2.33 mg/$dm^2$/day) (ON MECP 2020) in 2025. ALS Environmental (ALS) laboratory conducted the dustfall laboratory analyses. Based on ALS laboratory reports (Alamos 2026b), the maximum observed monthly or sampling period average was 0.91 mg/$dm^2$/day at the station C during the May-October sampling period. Although the wildfires resulted in evacuations during May to October 2025, the dustfall collection canisters remained in service. During 2025, dustfall was also assessed for total metal deposition. The majority of the total metals measured in dustfall were less than detection limits. The 2025 data collection efficiency for the monthly dustfall samples was collected were considered 100% valid based on the ALS Environmental (ALS) laboratory reports (Alamos 2026b).

The 2025 meteorology data from the ECCC Lynn Lake RCS is summarized and compared with the ECCC Lynn Lake 30-year climate normals for 1991-2020 (ECCC 2026b). The meteorology data summarized includes an ambient air temperature, precipitation, wind speed and direction.

ECCC meteorological and climate data that was not directly located at the Gordon and MacLellan Sites were used to represent the 2025 meteorology for the Project area. The ECCC meteorology and climate stations in and near Lynn Lake provided a reasonable representation of the regional conditions. There were no air quality actions/responses required during 2025 because no exceedances occurred during the air quality and meteorology monitoring programs.

Excluding the influence from wildfire smoke, the air emissions from the 2025 construction activities at the MacLellan site did not result measured ambient PM concentrations and total dustfall values that were greater than the Manitoba AAQC or the Ontario AAQC, respectively.

There were no air quality actions/responses required during 2025 during the active construction period at the MacLellan site because no exceedances occurred during the air quality and meteorology monitoring programs.

This document entitled "*Lynn Lake Gold Project: 2025 Air Quality Management and Monitoring Plan – Annual Report*" was prepared by Stantec Consulting Ltd. ("Stantec").

Prepared by: Lu, Lily (Burnaby)

Digitally signed by Lu, Lily (Burnaby)
Date: 2026.03.12 14:23:05 -07'00'

Signature

Lily Lu Atmospheric Scientist
Printed Name

Reviewed by:

Digitally signed by Dan Jarratt
Date: 2026.03.12 14:34:02 -07'00'

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Dan Jarratt Senior Atmospheric Engineer, Air Quality Technical Area Leader Canada
Printed Name

Approved by:

Digitally signed by Karen Mathers
Date: 2026.03.12 18:59:48 -05'00'

Signature

Karen Mathers Senior Principal
Printed Name

PROFESSIONAL
PROVINCE OF
D. L. JARRATT
# 22090
BRITISH COLUMBIA
ENGINEER

Stantec Permit # 1002862

2026-03-12

*Stantec Consulting Ltd. prepared this report for the account of Alamos Gold Inc. (the "Client") as per conditions 17 (Licence No. 3390 and 3391) and 2.5 (Federal Decision Statement [FDS]). In connection therewith, this document may be reviewed and used by the Province of Manitoba and IAAC participating in the review process in the normal course of its duties. Except as set forth in the previous sentence, any use which a third party makes of this report, or any reliance on or decision made based on it, are the responsibility of such third parties. The material in it reflects Stantec's professional judgment in light of the scope, schedule and other limitations stated in the document and in the contract between Stantec and the Client. Stantec Consulting Ltd. accepts no responsibility or damages, if any, suffered by any third party as a result of decisions made or actions based on this report.*

# 6 References

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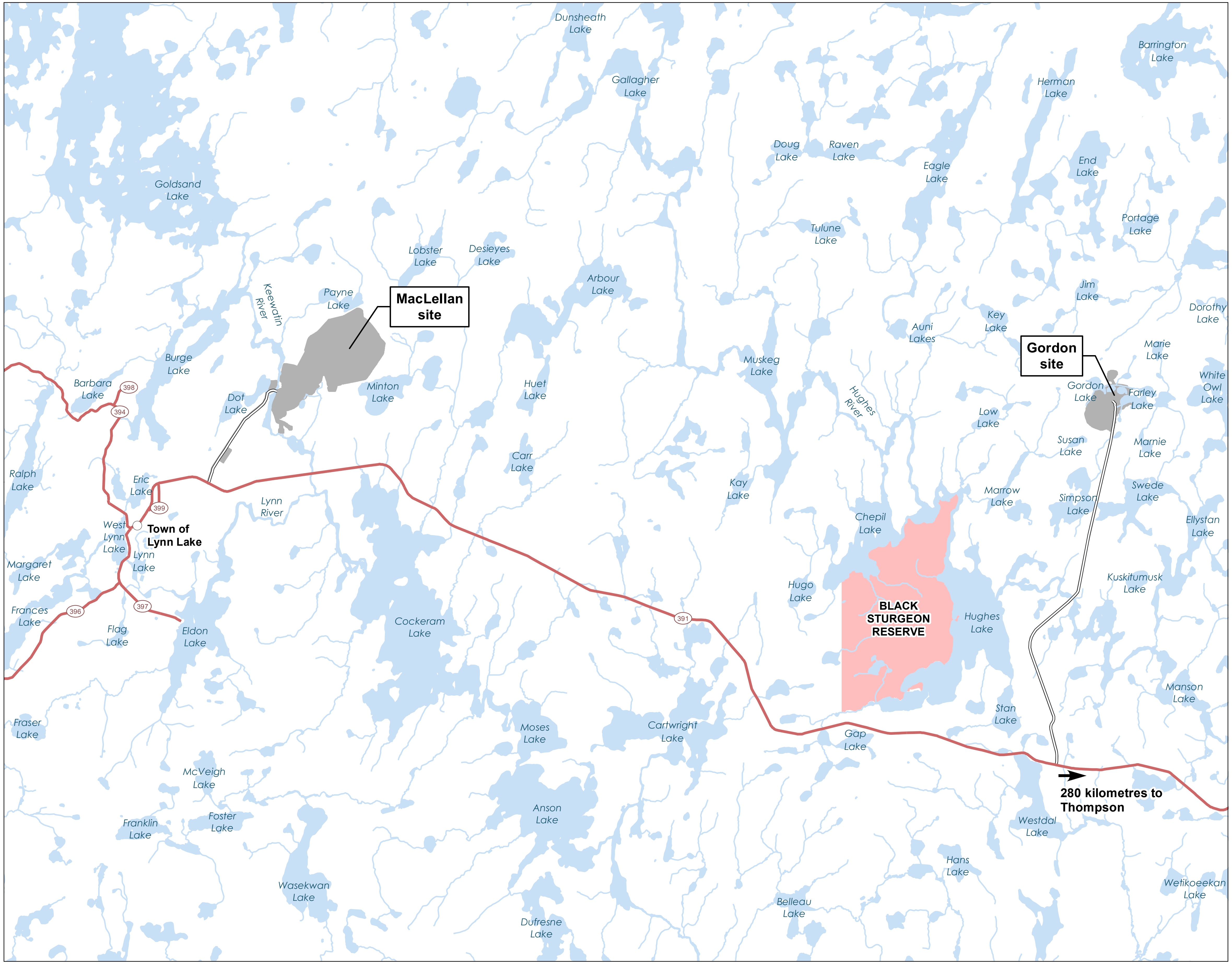
# Appendices

# Appendix A Map



**Stantec**

**Project Data**

▨ Project Development Area (PDA)

**Landbase**

═ Existing Access Road

— Highway

— Watercourse

▨ Waterbody

▨ First Nation Reserve

N

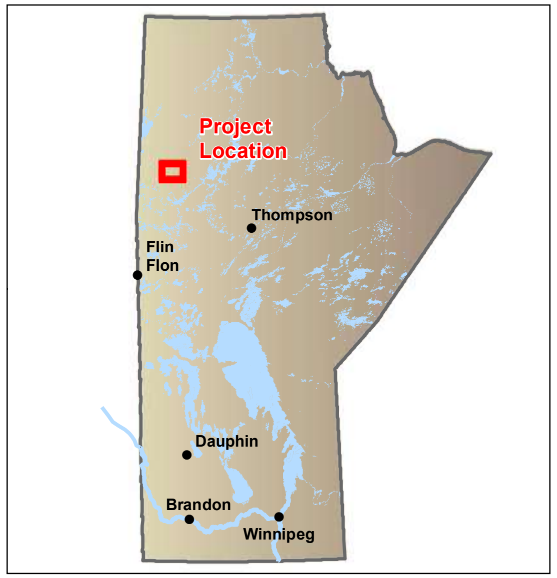
0 2.5 5 Kilometres

(At original document size of 11x17)
1:150,000

***Notes***

**1.** Coordinate System: NAD 1983 UTM Zone 14N

**2.** Base Data Sources: Government of Manitoba and Government of Canada



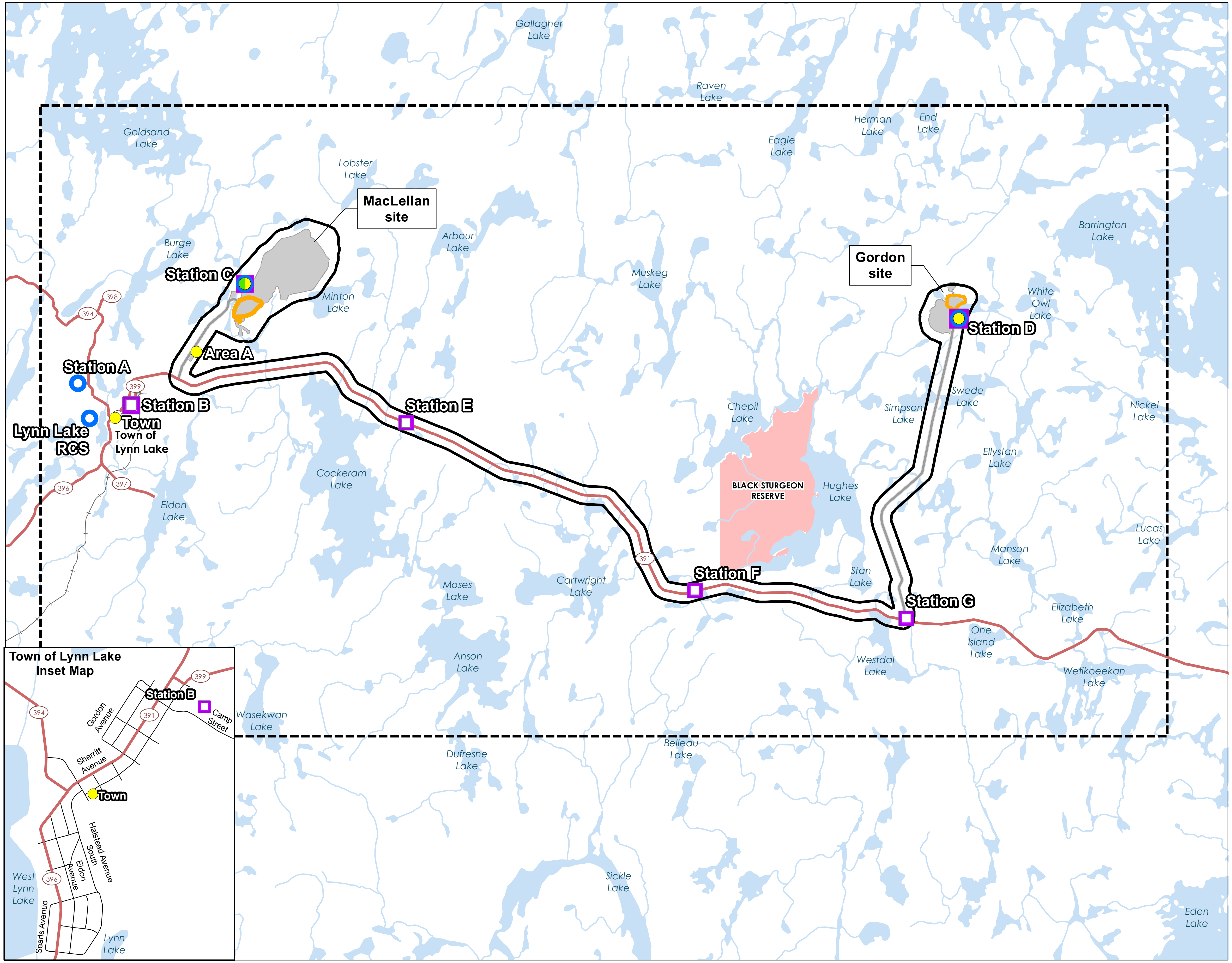
*Project Location*
Lynn Lake,
Manitoba

Prepared by ACampigotto on 2026-01-30
Technical Review by KMathers on 2026-01-30

*Client/Project*
123515740
ALAMOS GOLD INC.
Lynn Lake Gold Project

*Map No.*
**1**

*Title*
# General Project Area



Stantec

**Project Infrastructure**

- Proposed Open Pit
- Proposed Satellite Pit
- Project Development Area

**Monitoring Stations**

- Meteorological Monitoring Station
- Dustfall Monitoring Station
- TSP, $PM_{10}$ and $PM_{2.5}$ Monitoring Station
- $NO_2$ Monitoring Station

**Study Area**

- Project Boundary
- Air Quality Local Assessment Area

**Landbase**

- Highway
- Access Road
- Rail
- Watercourse
- Waterbody
- First Nation Reserve

*Notes*
1. Coordinate System: NAD 1983 UTM Zone 14N
2. Base Data Sources: Government of Manitoba and Government of Canada

*Project Location*
Lynn Lake,
Manitoba

Prepared by ACampigotto on 2026-02-09
Technical Review by LLu on 2026-02-09

*Client/Project* 123515740
ALAMOS GOLD INC.
Lynn Lake Gold Project

*Map No.*
2

*Title*
**Ambient Air Quality and Meteorology Monitoring Stations**

G:_GIS_Project_Folder\111473008_LLGP_EA\IRs\AirQuality\123515740_LLGP_AirQuality_AmbientAQStations_20260209.mxd Revised: 2026-03-12 By: ACampigotto

# Appendix B Summary of 2025 DustTrak Data

|  |  |  |  |  | PM1 [μg/m$^3$] |  |  | PM2.5 [μg/m$^3$] |  |  | PM4 [μg/m$^3$] |  |  | PM10 [μg/m$^3$] |  |  | TOTAL [μg/m$^3$] |  |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Name | Test Date | Test Start Time | Duration (min) | Location | Minimum | Maximum | Average | Minimum | Maximum | Average | Minimum | Maximum | Average | Minimum | Maximum | Average | Minimum | Maximum | Average |
| MANUAL_005 | 2/18/2025 | 3:37:16 PM | 15 | Area A | 3 | 6 | 5 | 3 | 7 | 5 | 3 | 7 | 5 | 3 | 7 | 5 | 3 | 9 | 6 |
| MANUAL_007 | 2/24/2025 | 5:35:43 PM | 15 | Area A | 4 | 14 | 6 | 4 | 14 | 6 | 4 | 14 | 6 | 4 | 14 | 6 | 4 | 22 | 7 |
| MANUAL_010 | 2/25/2025 | 7:36:39 AM | 15 | Area A | 10 | 14 | 12 | 10 | 14 | 12 | 10 | 14 | 12 | 11 | 17 | 12 | 11 | 35 | 15 |
| MANUAL_013 | 3/1/2025 | 3:38:52 PM | 15 | Area A | 12 | 16 | 14 | 13 | 17 | 15 | 13 | 17 | 15 | 13 | 18 | 16 | 14 | 20 | 17 |
| MANUAL_015 | 3/2/2025 | 11:06:13 AM | 15 | Area A | 14 | 15 | 14 | 14 | 15 | 15 | 14 | 15 | 15 | 14 | 16 | 15 | 14 | 21 | 15 |
| MANUAL_017 | 3/3/2025 | 1:54:11 PM | 14 | Area A | 8 | 12 | 10 | 9 | 12 | 10 | 9 | 12 | 10 | 9 | 12 | 10 | 9 | 15 | 12 |
| MANUAL_018 | 3/4/2025 | 2:40:04 PM | 15 | Area A | 4 | 19 | 7 | 4 | 19 | 7 | 4 | 20 | 7 | 5 | 22 | 7 | 5 | 44 | 10 |
| MANUAL_021 | 3/5/2025 | 3:36:24 PM | 15 | Area A | 7 | 28 | 11 | 7 | 28 | 11 | 7 | 28 | 11 | 7 | 29 | 11 | 8 | 34 | 14 |
| MANUAL_023 | 3/6/2025 | 1:24:38 PM | 15 | Area A | 3 | 7 | 5 | 3 | 7 | 5 | 3 | 7 | 5 | 3 | 8 | 5 | 3 | 11 | 6 |
| MANUAL_025 | 3/7/2025 | 5:21:24 PM | 15 | Area A | 6 | 8 | 7 | 6 | 8 | 7 | 6 | 8 | 7 | 6 | 9 | 7 | 6 | 10 | 7 |
| MANUAL_027 | 3/8/2025 | 4:00:41 PM | 15 | Area A | 8 | 10 | 9 | 8 | 10 | 9 | 8 | 10 | 9 | 8 | 10 | 9 | 8 | 12 | 9 |
| MANUAL_029 | 3/11/2025 | 3:17:57 PM | 15 | Area A | 6 | 9 | 7 | 6 | 9 | 7 | 6 | 9 | 7 | 6 | 9 | 7 | 6 | 11 | 8 |
| MANUAL_030 | 3/12/2025 | 4:30:51 PM | 15 | Area A | 3 | 8 | 5 | 3 | 8 | 5 | 3 | 8 | 5 | 3 | 8 | 5 | 3 | 8 | 6 |
| MANUAL_032 | 3/13/2025 | 4:01:26 PM | 15 | Area A | 4 | 6 | 5 | 4 | 6 | 5 | 4 | 6 | 5 | 4 | 6 | 5 | 4 | 7 | 5 |
| MANUAL_034 | 3/14/2025 | 2:08:10 PM | 15 | Area A | 8 | 74 | 29 | 8 | 75 | 29 | 8 | 75 | 30 | 9 | 81 | 31 | 11 | 166 | 57 |
| MANUAL_036 | 3/15/2025 | 3:47:39 PM | 15 | Area A | 6 | 17 | 8 | 6 | 17 | 8 | 6 | 17 | 8 | 6 | 18 | 8 | 7 | 26 | 12 |
| MANUAL_038 | 3/16/2025 | 4:26:39 PM | 15 | Area A | 6 | 10 | 8 | 6 | 10 | 8 | 6 | 10 | 8 | 6 | 10 | 8 | 6 | 12 | 9 |
| MANUAL_040 | 3/17/2025 | 5:11:37 PM | 15 | Area A | 3 | 9 | 6 | 3 | 9 | 6 | 3 | 10 | 6 | 3 | 11 | 7 | 3 | 39 | 14 |
| MANUAL_042 | 3/18/2025 | 7:51:20 AM | 15 | Area A | 5 | 9 | 7 | 6 | 9 | 7 | 6 | 9 | 7 | 6 | 9 | 7 | 6 | 10 | 8 |
| MANUAL_045 | 3/19/2025 | 3:49:40 PM | 15 | Area A | 3 | 18 | 7 | 3 | 18 | 7 | 3 | 18 | 7 | 3 | 18 | 7 | 3 | 18 | 7 |
| MANUAL_047 | 3/20/2025 | 3:31:05 PM | 15 | Area A | 18 | 21 | 19 | 18 | 21 | 20 | 18 | 21 | 20 | 18 | 21 | 20 | 18 | 25 | 20 |
| MANUAL_048 | 3/21/2025 | 3:36:55 PM | 15 | Area A | 5 | 8 | 6 | 5 | 8 | 7 | 5 | 8 | 7 | 5 | 8 | 7 | 5 | 10 | 7 |
| MANUAL_050 | 3/22/2025 | 1:58:02 PM | 15 | Area A | 6 | 10 | 8 | 7 | 10 | 8 | 7 | 10 | 8 | 7 | 10 | 8 | 7 | 10 | 9 |
| MANUAL_052 | 3/23/2025 | 3:28:22 PM | 15 | Area A | 5 | 7 | 6 | 5 | 7 | 6 | 5 | 7 | 6 | 6 | 8 | 7 | 6 | 8 | 7 |
| MANUAL_054 | 3/24/2025 | 2:29:06 PM | 15 | Area A | 5 | 17 | 10 | 5 | 17 | 10 | 5 | 17 | 10 | 5 | 17 | 10 | 5 | 19 | 11 |
| MANUAL_056 | 3/26/2025 | 3:41:56 PM | 15 | Area A | 6 | 8 | 7 | 6 | 8 | 7 | 6 | 8 | 7 | 6 | 8 | 7 | 6 | 9 | 8 |
| MANUAL_058 | 3/27/2025 | 9:41:10 AM | 15 | Area A | 5 | 8 | 7 | 5 | 8 | 7 | 5 | 8 | 7 | 5 | 8 | 7 | 5 | 9 | 7 |
| MANUAL_002 | 3/28/2025 | 3:44:26 PM | 15 | Area A | 5 | 7 | 6 | 5 | 7 | 6 | 5 | 7 | 6 | 5 | 8 | 6 | 5 | 10 | 7 |
| MANUAL_004 | 3/29/2025 | 5:34:46 PM | 15 | Area A | 4 | 6 | 5 | 4 | 6 | 5 | 4 | 6 | 5 | 4 | 7 | 5 | 4 | 18 | 6 |
| MANUAL_006 | 3/30/2025 | 10:49:28 AM | 15 | Area A | 4 | 6 | 5 | 4 | 6 | 5 | 4 | 7 | 5 | 4 | 7 | 6 | 4 | 7 | 6 |
| MANUAL_008 | 3/31/2025 | 11:35:46 AM | 15 | Area A | 8 | 12 | 10 | 8 | 12 | 10 | 8 | 12 | 10 | 8 | 12 | 10 | 8 | 13 | 11 |
| MANUAL_010 | 4/1/2025 | 2:45:16 PM | 15 | Area A | 7 | 8 | 8 | 7 | 9 | 8 | 7 | 9 | 8 | 7 | 9 | 8 | 7 | 13 | 9 |
| MANUAL_012 | 4/2/2025 | 4:03:41 PM | 15 | Area A | 8 | 93 | 24 | 8 | 94 | 25 | 8 | 94 | 25 | 9 | 94 | 25 | 10 | 98 | 31 |
| MANUAL_014 | 4/3/2025 | 3:09:58 PM | 5 | Area A | 5 | 28 | 10 | 5 | 28 | 10 | 5 | 28 | 10 | 5 | 29 | 10 | 5 | 37 | 12 |
| MANUAL_015 | 4/4/2025 | 9:13:28 AM | 15 | Area A | 5 | 15 | 7 | 5 | 15 | 7 | 5 | 15 | 7 | 5 | 15 | 8 | 5 | 15 | 8 |
| MANUAL_018 | 4/5/2025 | 4:51:44 PM | 15 | Area A | 5 | 6 | 5 | 5 | 6 | 5 | 5 | 6 | 5 | 5 | 6 | 5 | 5 | 11 | 6 |
| MANUAL_020 | 4/6/2025 | 6:48:32 PM | 15 | Area A | 3 | 6 | 5 | 3 | 6 | 5 | 3 | 6 | 5 | 3 | 6 | 5 | 3 | 7 | 5 |
| MANUAL_022 | 4/7/2025 | 4:08:55 PM | 15 | Area A | 5 | 5 | 5 | 5 | 6 | 5 | 5 | 6 | 5 | 5 | 6 | 5 | 5 | 8 | 5 |
| MANUAL_024 | 4/8/2025 | 7:08:28 PM | 15 | Area A | 5 | 6 | 5 | 5 | 6 | 5 | 5 | 6 | 6 | 5 | 6 | 6 | 5 | 7 | 6 |
| MANUAL_025 | 4/9/2025 | 3:29:36 PM | 15 | Area A | 4 | 6 | 5 | 4 | 6 | 5 | 5 | 6 | 5 | 5 | 7 | 6 | 6 | 13 | 8 |
| MANUAL_027 | 4/10/2025 | 4:41:36 PM | 15 | Area A | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 3 | 1 |
| MANUAL_029 | 4/11/2025 | 3:12:26 PM | 15 | Area A | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 5 | 4 | 4 | 8 | 4 |
| MANUAL_031 | 4/12/2025 | 9:11:26 AM | 15 | Area A | 1 | 4 | 3 | 1 | 4 | 3 | 1 | 4 | 3 | 1 | 4 | 3 | 1 | 4 | 3 |
| MANUAL_001 | 4/13/2025 | 3:31:51 PM | 15 | Area A | 3 | 63 | 11 | 3 | 63 | 11 | 3 | 63 | 11 | 3 | 63 | 11 | 3 | 65 | 12 |
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| MANUAL_005 | 4/15/2025 | 1:23:36 PM | 15 | Area A | 0 | 2 | 1 | 0 | 2 | 1 | 0 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 |
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| MANUAL_013 | 4/19/2025 | 11:22:54 AM | 15 | Area A | 2 | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 5 | 4 | 3 | 8 | 5 |
| MANUAL_015 | 4/20/2025 | 10:32:18 AM | 15 | Area A | 2 | 5 | 4 | 2 | 6 | 4 | 2 | 6 | 4 | 3 | 6 | 4 | 3 | 7 | 5 |
| MANUAL_017 | 4/21/2025 | 10:35:29 AM | 15 | Area A | 3 | 6 | 4 | 3 | 6 | 4 | 3 | 6 | 4 | 3 | 6 | 5 | 3 | 7 | 5 |
| MANUAL_001 | 4/22/2025 | 8:36:13 AM | 15 | Area A | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 4 | 3 | 2 | 12 | 4 |
| MANUAL_004 | 4/23/2025 | 4:19:40 PM | 15 | Area A | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 2 | 7 | 4 |
| MANUAL_007 | 4/24/2025 | 1:07:40 PM | 15 | Area A | 1 | 8 | 2 | 1 | 8 | 2 | 1 | 8 | 3 | 1 | 8 | 3 | 1 | 8 | 3 |
| MANUAL_009 | 4/25/2025 | 11:27:06 AM | 15 | Area A | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 11 | 4 |
| MANUAL_011 | 4/26/2025 | 4:59:54 PM | 15 | Area A | 4 | 20 | 9 | 5 | 21 | 9 | 5 | 24 | 10 | 6 | 42 | 16 | 9 | 153 | 45 |
| MANUAL_012 | 4/27/2025 | 9:17:51 AM | 15 | Area A | 6 | 11 | 7 | 6 | 11 | 8 | 6 | 11 | 8 | 7 | 12 | 8 | 8 | 25 | 15 |
| MANUAL_015 | 4/28/2025 | 3:36:45 PM | 15 | Area A | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 5 | 4 | 3 | 7 | 4 | 3 | 15 | 7 |
| MANUAL_017 | 4/29/2025 | 9:50:02 AM | 15 | Area A | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 4 |
| MANUAL_018 | 4/30/2025 | 7:28:02 PM | 15 | Area A | 3 | 24 | 5 | 3 | 24 | 5 | 3 | 24 | 5 | 3 | 26 | 5 | 3 | 180 | 21 |
| MANUAL_020 | 5/1/2025 | 7:44:48 PM | 15 | Area A | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 5 | 3 | 3 | 36 | 7 |
| MANUAL_022 | 5/2/2025 | 7:24:27 PM | 15 | Area A | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 9 | 4 |
| MANUAL_024 | 5/3/2025 | 1:51:41 PM | 15 | Area A | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 4 |
| MANUAL_026 | 5/4/2025 | 4:35:26 PM | 15 | Area A | 8 | 13 | 10 | 8 | 14 | 10 | 9 | 15 | 11 | 9 | 19 | 12 | 10 | 51 | 24 |
| MANUAL_028 | 5/5/2025 | 9:06:37 PM | 15 | Area A | 1 | 5 | 2 | 1 | 5 | 2 | 1 | 5 | 2 | 1 | 7 | 2 | 1 | 53 | 9 |
| MANUAL_030 | 5/6/2025 | 4:09:48 PM | 15 | Area A | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 5 | 3 | 3 | 14 | 6 |
| MANUAL_001 | 5/7/2025 | 7:17:49 PM | 15 | Area A | 26 | 30 | 27 | 26 | 30 | 27 | 26 | 31 | 28 | 27 | 34 | 29 | 27 | 38 | 29 |
| MANUAL_032 | 5/8/2025 | 4:22:29 PM | 15 | Area A | 18 | 26 | 21 | 18 | 26 | 21 | 19 | 27 | 22 | 20 | 30 | 24 | 21 | 63 | 39 |
| MANUAL_034 | 5/9/2025 | 3:48:17 PM | 15 | Area A | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 3 | 2 | 1 | 4 | 2 | 1 | 19 | 5 |
| MANUAL_036 | 5/10/2025 | 3:17:11 PM | 15 | Area A | 5 | 10 | 6 | 5 | 10 | 6 | 5 | 10 | 7 | 5 | 11 | 7 | 5 | 17 | 11 |
| MANUAL_038 | 5/11/2025 | 4:13:41 PM | 15 | Area A | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 7 | 5 |
| MANUAL_040 | 5/12/2025 | 5:04:50 PM | 15 | Area A | 7 | 13 | 8 | 7 | 13 | 9 | 7 | 13 | 9 | 8 | 17 | 10 | 8 | 25 | 15 |
| MANUAL_042 | 5/13/2025 | 4:28:35 PM | 15 | Area A | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 12 | 3 |
| MANUAL_044 | 5/14/2025 | 3:21:59 PM | 15 | Area A | 1 | 9 | 2 | 1 | 9 | 2 | 1 | 9 | 2 | 1 | 9 | 2 | 1 | 15 | 5 |
| MANUAL_046 | 5/15/2025 | 4:08:53 PM | 15 | Area A | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 5 | 2 |
|  | 5/16/2025 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MANUAL_001 | 5/17/2025 | 3:04:00 PM | 15 | Area A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| MANUAL_003 | 5/18/2025 | 10:13:23 AM | 15 | Area A | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 |
| MANUAL_005 | 5/18/2025 | 3:02:14 PM | 15 | Area A | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 9 | 3 |
| MANUAL_007 | 5/19/2025 | 10:17:15 AM | 15 | Area A | 8 | 9 | 9 | 8 | 9 | 9 | 8 | 9 | 9 | 8 | 10 | 9 | 8 | 20 | 10 |
| MANUAL_009 | 5/19/2025 | 2:34:58 PM | 15 | Area A | 2 | 5 | 3 | 2 | 6 | 3 | 2 | 6 | 3 | 2 | 11 | 4 | 2 | 69 | 21 |
| MANUAL_011 | 5/20/2025 | 10:22:22 AM | 15 | Area A | 1 | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 10 | 3 |
| MANUAL_013 | 5/20/2025 | 3:04:54 PM | 15 | Area A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 6 | 3 |
| MANUAL_015 | 5/21/2025 | 9:52:22 AM | 15 | Area A | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 10 | 3 |
| MANUAL_017 | 5/21/2025 | 2:44:55 PM | 15 | Area A | 2 | 38 | 5 | 2 | 41 | 5 | 2 | 48 | 6 | 2 | 85 | 9 | 2 | 264 | 26 |
| MANUAL_019 | 5/22/2025 | 9:25:50 AM | 15 | Area A | 6 | 7 | 6 | 6 | 7 | 6 | 6 | 7 | 6 | 6 | 7 | 7 | 6 | 13 | 9 |
| MANUAL_021 | 5/22/2025 | 2:43:54 PM | 15 | Area A | 5 | 7 | 6 | 5 | 7 | 6 | 5 | 7 | 6 | 5 | 7 | 6 | 6 | 14 | 8 |
| MANUAL_023 | 5/23/2025 | 7:04:33 PM | 15 | Area A | 5 | 5 | 5 | 5 | 6 | 5 | 5 | 6 | 5 | 5 | 6 | 5 | 5 | 10 | 6 |
| MANUAL_026 | 5/24/2025 | 10:11:49 AM | 15 | Area A | 48 | 57 | 51 | 48 | 57 | 51 | 48 | 58 | 52 | 49 | 62 | 52 | 49 | 86 | 59 |
| MANUAL_027 | 5/24/2025 | 3:23:21 PM | 15 | Area A | 20 | 25 | 21 | 20 | 25 | 21 | 20 | 26 | 21 | 20 | 33 | 22 | 21 | 68 | 30 |
| MANUAL_030 | 5/25/2025 | 11:56:35 AM | 15 | Area A | 14 | 25 | 19 | 14 | 26 | 19 | 15 | 27 | 19 | 15 | 34 | 21 | 19 | 83 | 33 |
| MANUAL_031 | 5/25/2025 | 3:12:08 PM | 15 | Area A | 36 | 50 | 44 | 37 | 51 | 44 | 37 | 52 | 44 | 37 | 59 | 46 | 39 | 108 | 57 |
| MANUAL_033 | 5/26/2025 | 10:12:03 AM | 15 | Area A | 121 | 131 | 124 | 121 | 132 | 125 | 122 | 132 | 126 | 124 | 136 | 129 | 128 | 176 | 150 |
|  | 5/27/2025 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MANUAL_038 | 5/28/2025 | 11:29:10 AM | 15 | Area A | 39 | 83 | 53 | 39 | 83 | 53 | 39 | 84 | 54 | 40 | 85 | 56 | 48 | 115 | 73 |

| | | | | | PM1 [µg/m$^3$] | | | PM2.5 [µg/m$^3$] | | | PM4 [µg/m$^3$] | | | PM10 [µg/m$^3$] | | | TOTAL [µg/m$^3$] | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Name | Test Date | Test Start Time | Duration (min) | Location | Minimum | Maximum | Average | Minimum | Maximum | Average | Minimum | Maximum | Average | Minimum | Maximum | Average | Minimum | Maximum | Average |
| | | | | No Monitoring due to Wildfire | | | | | | | | | | | | | | | |
| MANUAL_041 | 10/9/2025 | 3:59:57 PM | 15 | Area A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 12 | 3 |
| MANUAL_043 | 10/10/2025 | 3:18:58 PM | 15 | Area A | 1 | 3 | 2 | 1 | 3 | 2 | 1 | 4 | 2 | 2 | 6 | 3 | 2 | 20 | 6 |
| MANUAL_045 | 10/11/2025 | 10:31:21 AM | 15 | Area A | 7 | 8 | 7 | 7 | 8 | 7 | 8 | 9 | 8 | 9 | 11 | 10 | 10 | 22 | 13 |
| MANUAL_047 | 10/12/2025 | 10:33:54 AM | 15 | Area A | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 6 | 3 |
| MANUAL_049 | 10/13/2025 | 11:32:24 AM | 15 | Area A | 1 | 4 | 1 | 1 | 4 | 1 | 1 | 4 | 1 | 1 | 5 | 1 | 1 | 32 | 5 |
| MANUAL_051 | 10/14/2025 | 2:54:10 PM | 15 | Area A | 3 | 6 | 3 | 3 | 6 | 3 | 3 | 6 | 3 | 3 | 6 | 3 | 3 | 8 | 4 |
| MANUAL_053 | 10/15/2025 | 12:42:49 PM | 15 | Area A | 4 | 8 | 4 | 4 | 9 | 5 | 4 | 9 | 5 | 5 | 11 | 6 | 5 | 38 | 9 |
| MANUAL_054 | 10/16/2025 | 11:22:30 AM | 15 | Area A | 6 | 7 | 6 | 6 | 7 | 6 | 6 | 7 | 7 | 6 | 8 | 7 | 6 | 14 | 8 |
| MANUAL_057 | 10/17/2025 | 9:19:10 AM | 15 | Area A | 11 | 13 | 12 | 11 | 13 | 12 | 11 | 14 | 12 | 11 | 14 | 13 | 12 | 18 | 14 |
| MANUAL_059 | 10/18/2025 | 11:59:49 AM | 15 | Area A | 5 | 30 | 14 | 5 | 37 | 16 | 5 | 38 | 17 | 5 | 39 | 17 | 5 | 48 | 20 |
| MANUAL_061 | 10/19/2025 | 9:05:35 AM | 15 | Area A | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 |
| MANUAL_063 | 10/20/2025 | 2:42:44 PM | 15 | Area A | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 4 | 2 | 2 | 20 | 4 |
| | 10/21/2025 | | | | | | | | | | | | | | | | | | |
| MANUAL_001 | 10/22/2025 | 5:47:26 PM | 15 | Area A | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 19 | 4 |
| MANUAL_003 | 10/23/2025 | 4:04:22 PM | 15 | Area A | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 2 | 11 | 4 |
| MANUAL_005 | 10/24/2025 | 4:13:44 PM | 15 | Area A | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 5 | 5 | 4 | 5 | 5 | 4 | 9 | 6 |
| MANUAL_007 | 10/25/2025 | 3:42:35 PM | 15 | Area A | 4 | 5 | 4 | 4 | 5 | 5 | 4 | 5 | 5 | 5 | 6 | 5 | 5 | 10 | 7 |
| MANUAL_001 | 10/26/2025 | 3:33:22 PM | 15 | Area A | 2 | 5 | 4 | 2 | 5 | 4 | 2 | 5 | 4 | 3 | 5 | 4 | 3 | 5 | 4 |
| MANUAL_004 | 10/27/2025 | 5:07:56 PM | 15 | Area A | 3 | 5 | 4 | 3 | 5 | 4 | 4 | 5 | 4 | 4 | 6 | 5 | 4 | 6 | 5 |
| | 10/28/2025 | | | | | | | | | | | | | | | | | | |
| MANUAL_005 | 10/29/2025 | 3:15:37 PM | 15 | Area A | 2 | 5 | 4 | 2 | 5 | 4 | 2 | 6 | 4 | 2 | 6 | 4 | 3 | 6 | 4 |
| MANUAL_007 | 10/30/2025 | 4:00:11 PM | 15 | Area A | 1 | 6 | 3 | 1 | 6 | 3 | 1 | 6 | 3 | 1 | 6 | 3 | 2 | 6 | 4 |
| MANUAL_009 | 10/31/2025 | 2:20:33 PM | 15 | Area A | 1 | 4 | 3 | 1 | 4 | 3 | 1 | 4 | 3 | 2 | 4 | 3 | 2 | 4 | 3 |
| MANUAL_011 | 11/1/2025 | 2:56:34 PM | 15 | Area A | 6 | 13 | 10 | 6 | 13 | 10 | 6 | 13 | 10 | 6 | 13 | 10 | 7 | 13 | 10 |
| | 11/2/2025 | | | | | | | | | | | | | | | | | | |
| | 11/3/2025 | | | | | | | | | | | | | | | | | | |
| | 11/4/2025 | | | | | | | | | | | | | | | | | | |
| MANUAL_002 | 11/5/2025 | 12:27:08 PM | 15 | Area A | 10 | 21 | 14 | 10 | 21 | 14 | 10 | 21 | 14 | 10 | 22 | 14 | 10 | 23 | 14 |
| MANUAL_004 | 11/6/2025 | 11:19:13 AM | 15 | Area A/New Core farm | 12 | 17 | 15 | 12 | 17 | 15 | 12 | 17 | 15 | 13 | 17 | 15 | 13 | 18 | 16 |
| MANUAL_006 | 11/7/2025 | 10:16:02 AM | 15 | Area A/New Core farm | 14 | 32 | 16 | 14 | 33 | 16 | 14 | 37 | 16 | 14 | 57 | 19 | 14 | 80 | 21 |
| MANUAL_008 | 11/8/2025 | 10:55:11 AM | 15 | Area A/New Core farm | 14 | 22 | 16 | 14 | 22 | 16 | 14 | 22 | 16 | 14 | 22 | 16 | 15 | 22 | 16 |
| MANUAL_010 | 11/9/2025 | 10:23:21 AM | 15 | Area A/New Core farm | 14 | 37 | 17 | 14 | 37 | 17 | 14 | 40 | 17 | 14 | 63 | 20 | 14 | 96 | 24 |
| MANUAL_012 | 11/10/2025 | 3:54:37 PM | 15 | Area A/New Core farm | 8 | 12 | 10 | 8 | 12 | 10 | 8 | 12 | 11 | 8 | 12 | 11 | 9 | 13 | 11 |
| MANUAL_014 | 11/11/2025 | 11:45:12 AM | 15 | Area A/New Core farm | 5 | 8 | 7 | 5 | 8 | 7 | 5 | 8 | 7 | 5 | 8 | 7 | 5 | 9 | 7 |
| MANUAL_016 | 11/12/2025 | 9:28:01 AM | 15 | Area A/New Core farm | 9 | 14 | 12 | 9 | 15 | 12 | 9 | 15 | 12 | 10 | 19 | 12 | 10 | 24 | 13 |
| MANUAL_017 | 11/13/2025 | 8:27:18 AM | 15 | Area A/New Core farm | 1 | 10 | 5 | 1 | 10 | 5 | 2 | 10 | 5 | 2 | 10 | 6 | 3 | 11 | 7 |
| MANUAL_002 | 11/14/2025 | 12:07:36 PM | 15 | Area A | 6 | 21 | 9 | 6 | 21 | 9 | 6 | 21 | 9 | 6 | 22 | 9 | 6 | 23 | 10 |
| MANUAL_004 | 11/15/2025 | 12:13:15 PM | 15 | Area A | 16 | 49 | 20 | 16 | 49 | 20 | 16 | 49 | 20 | 17 | 50 | 20 | 17 | 51 | 21 |
| MANUAL_006 | 11/16/2025 | 12:20:35 PM | 15 | Area A | 12 | 17 | 15 | 12 | 17 | 15 | 12 | 17 | 15 | 12 | 17 | 15 | 12 | 17 | 16 |
| MANUAL_008 | 11/17/2025 | 2:26:24 PM | 15 | Area A | 6 | 12 | 9 | 6 | 12 | 9 | 6 | 12 | 9 | 6 | 12 | 9 | 6 | 12 | 9 |
| MANUAL_010 | 11/18/2025 | 10:58:41 AM | 15 | Area A | 9 | 52 | 16 | 9 | 58 | 16 | 9 | 82 | 19 | 9 | 135 | 24 | 9 | 135 | 24 |
| MANUAL_012 | 11/19/2025 | 1:27:48 PM | 15 | Area A | 15 | 389 | 88 | 15 | 389 | 88 | 15 | 389 | 88 | 16 | 389 | 88 | 16 | 394 | 91 |
| MANUAL_014 | 11/20/2025 | 11:28:53 AM | 15 | Area A | 8 | 21 | 15 | 8 | 22 | 15 | 8 | 23 | 15 | 8 | 27 | 15 | 8 | 27 | 15 |
| MANUAL_016 | 11/21/2025 | 2:41:25 PM | 15 | Area A | 16 | 18 | 16 | 16 | 18 | 16 | 16 | 18 | 16 | 16 | 19 | 16 | 16 | 19 | 16 |
| MANUAL_018 | 11/22/2025 | 10:48:32 AM | 15 | Area A | 8 | 78 | 14 | 8 | 82 | 15 | 9 | 98 | 16 | 9 | 125 | 18 | 9 | 125 | 18 |
| MANUAL_005 | 11/23/2025 | 9:49:03 AM | 15 | Area A | 6 | 18 | 8 | 6 | 19 | 8 | 6 | 29 | 8 | 6 | 32 | 8 | 6 | 32 | 8 |
| MANUAL_008 | 11/24/2025 | 2:31:41 PM | 15 | Area A | 7 | 13 | 10 | 7 | 13 | 10 | 7 | 13 | 10 | 7 | 13 | 10 | 7 | 13 | 10 |
| MANUAL_010 | 11/25/2025 | 1:25:57 PM | 15 | Area A | 4 | 14 | 5 | 4 | 14 | 5 | 4 | 18 | 5 | 4 | 27 | 5 | 4 | 27 | 6 |
| MANUAL_012 | 11/26/2025 | 2:11:09 PM | 15 | Area a | 5 | 16 | 10 | 5 | 16 | 10 | 5 | 16 | 10 | 5 | 17 | 10 | 5 | 20 | 10 |
| MANUAL_014 | 11/27/2025 | 1:49:56 PM | 15 | Area A | 6 | 8 | 6 | 6 | 9 | 7 | 6 | 9 | 7 | 6 | 10 | 7 | 6 | 10 | 7 |
| MANUAL_016 | 11/28/2025 | 9:47:51 AM | 15 | Area A | 8 | 38 | 11 | 8 | 38 | 11 | 8 | 38 | 11 | 8 | 40 | 12 | 8 | 52 | 12 |
| MANUAL_018 | 11/29/2025 | 3:32:48 PM | 15 | Area A | 11 | 16 | 14 | 11 | 16 | 14 | 11 | 18 | 14 | 11 | 24 | 14 | 11 | 24 | 14 |
| MANUAL_019 | 11/30/2025 | 9:17:03 AM | 15 | Area A | 9 | 12 | 10 | 9 | 12 | 10 | 9 | 12 | 10 | 9 | 12 | 10 | 9 | 14 | 10 |
| MANUAL_021 | 12/1/2025 | 9:17:48 AM | 15 | Area A | 7 | 19 | 10 | 7 | 19 | 10 | 7 | 22 | 10 | 7 | 42 | 11 | 7 | 46 | 11 |
| MANUAL_024 | 12/2/2025 | 10:21:35 AM | 15 | Area A | 5 | 23 | 8 | 5 | 23 | 8 | 5 | 23 | 8 | 5 | 23 | 8 | 5 | 26 | 8 |
| MANUAL_026 | 12/3/2025 | 10:30:31 AM | 15 | Area A | 7 | 15 | 10 | 7 | 15 | 10 | 7 | 18 | 10 | 8 | 19 | 10 | 8 | 26 | 11 |
| MANUAL_028 | 12/4/2025 | 10:25:55 AM | 15 | Area A | 9 | 41 | 13 | 9 | 41 | 13 | 10 | 46 | 13 | 10 | 138 | 16 | 10 | 190 | 19 |
| MANUAL_030 | 12/5/2025 | 9:42:33 AM | 15 | Area A | 11 | 371 | 27 | 11 | 371 | 27 | 11 | 371 | 27 | 11 | 372 | 27 | 11 | 382 | 29 |
| MANUAL_032 | 12/6/2025 | 10:17:55 AM | 15 | Area A | 14 | 20 | 17 | 14 | 20 | 17 | 15 | 20 | 17 | 15 | 20 | 17 | 15 | 22 | 18 |
| MANUAL_034 | 12/7/2025 | 10:51:59 AM | 15 | Area A | 14 | 28 | 16 | 14 | 28 | 16 | 14 | 31 | 16 | 14 | 47 | 17 | 14 | 58 | 18 |
| MANUAL_036 | 12/8/2025 | 10:24:31 AM | 15 | Area a | 13 | 18 | 15 | 13 | 18 | 15 | 13 | 21 | 15 | 13 | 34 | 15 | 13 | 43 | 16 |
| MANUAL_037 | 12/9/2025 | 5:37:24 PM | 15 | Area A | 5 | 11 | 7 | 5 | 11 | 7 | 5 | 11 | 7 | 5 | 11 | 7 | 5 | 14 | 8 |
| | 12/10/2025 | | 15 | Area A | | | | | | | | | | | | | | | |
| MANUAL_040 | 12/11/2025 | 10:34:58 AM | 15 | Area A | 7 | 189 | 17 | 7 | 195 | 17 | 7 | 275 | 19 | 8 | 385 | 24 | 8 | 385 | 26 |
| MANUAL_042 | 12/12/2025 | 10:27:49 AM | 15 | Area A | 14 | 78 | 20 | 14 | 78 | 21 | 14 | 78 | 21 | 14 | 79 | 21 | 14 | 82 | 24 |
| MANUAL_044 | 12/13/2025 | 8:35:21 AM | 15 | Area A | 21 | 117 | 26 | 21 | 119 | 26 | 21 | 136 | 27 | 21 | 243 | 31 | 21 | 407 | 37 |
| MANUAL_046 | 12/14/2025 | 8:34:10 AM | 15 | Area A | 10 | 254 | 22 | 10 | 254 | 22 | 10 | 255 | 23 | 10 | 257 | 24 | 10 | 266 | 28 |
| MANUAL_048 | 12/15/2025 | 8:22:53 AM | 15 | Area a | 13 | 57 | 19 | 13 | 57 | 19 | 13 | 57 | 19 | 13 | 65 | 21 | 13 | 241 | 43 |
| MANUAL_050 | 12/16/2025 | 4:59:10 PM | 15 | Area A | 13 | 28 | 17 | 13 | 28 | 17 | 13 | 28 | 17 | 14 | 28 | 18 | 14 | 29 | 18 |
| MANUAL_052 | 12/17/2025 | 6:15:35 PM | 15 | Area A | 14 | 31 | 17 | 14 | 31 | 17 | 14 | 31 | 18 | 14 | 37 | 18 | 14 | 135 | 32 |
| | 12/18/2025 | | 15 | Area A | | | | | | | | | | | | | | | |
| MANUAL_054 | 12/19/2025 | 2:13:45 PM | 15 | Area A | 15 | 47 | 20 | 15 | 47 | 20 | 15 | 47 | 20 | 15 | 47 | 20 | 15 | 50 | 21 |
| | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Average** | Feb 18 - March 11 | 3 | 28 | 9 | 3 | 28 | 9 | 3 | 28 | 9 | 3 | 29 | 9 | 3 | 44 | 11 |
| | March 12 - March 27 | 3 | 74 | 9 | 3 | 75 | 9 | 3 | 75 | 9 | 3 | 81 | 10 | 3 | 166 | 12 |
| | March 28 - April 12 | 0 | 93 | 7 | 0 | 94 | 7 | 0 | 94 | 7 | 0 | 94 | 7 | 0 | 98 | 8 |
| | April 13 - April 21 | 0 | 63 | 5 | 0 | 63 | 5 | 0 | 63 | 5 | 0 | 63 | 5 | 0 | 65 | 6 |
| | April 22 - April 30 | 1 | 24 | 4 | 1 | 24 | 4 | 1 | 24 | 4 | 1 | 42 | 5 | 1 | 180 | 12 |
| | May 1 - May 15 | 1 | 30 | 6 | 1 | 30 | 7 | 1 | 31 | 7 | 1 | 34 | 7 | 1 | 63 | 11 |
| | May 16 - May 23 | 1 | 38 | 4 | 1 | 41 | 4 | 1 | 48 | 4 | 1 | 85 | 5 | 1 | 264 | 9 |
| | May 24 - May 28 (Wildfire) | 14 | 131 | 52 | 14 | 132 | 52 | 15 | 132 | 53 | 15 | 136 | 54 | 19 | 176 | 67 |
| | Oct 9 - Oct 20 | 1 | 30 | 5 | 1 | 37 | 5 | 1 | 38 | 5 | 1 | 39 | 6 | 1 | 48 | 7 |
| | Oct 22 - Nov 1 | 1 | 13 | 4 | 1 | 13 | 4 | 1 | 13 | 4 | 1 | 13 | 4 | 1 | 19 | 5 |
| | Nov 2 - Nov 13 | 1 | 37 | 12 | 1 | 37 | 12 | 2 | 40 | 13 | 2 | 63 | 13 | 3 | 96 | 14 |
| | Nov 14 - Nov 22 | 6 | 389 | 22 | 6 | 389 | 23 | 6 | 389 | 23 | 6 | 389 | 24 | 6 | 394 | 24 |
| | Nov 23 - Dec 19 | 4 | 371 | 14 | 4 | 371 | 14 | 4 | 371 | 14 | 4 | 385 | 15 | 4 | 407 | 18 |
| | | | | | | | | | | | | | | | | |
| | **Entire Sampling Period (excluding May 24 - May 28 - Wildfire)** | 0 | 389 | 9 | 0 | 389 | 9 | 0 | 389 | 9 | 0 | 389 | 9 | 0 | 407 | 12 |

|  |  |  |  |  | PM1 [$\mu g/m^3$] |  |  | PM2.5 [$\mu g/m^3$] |  |  | PM4 [$\mu g/m^3$] |  |  | PM10 [$\mu g/m^3$] |  |  | TOTAL [$\mu g/m^3$] |  |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Name | Test Date | Test Start Time | Duration (min) | Location | Minimum | Maximum | Average | Minimum | Maximum | Average | Minimum | Maximum | Average | Minimum | Maximum | Average | Minimum | Maximum | Average |
| MANUAL_006 | 2/18/2025 | 4:10:06 PM | 15 | Town | 7 | 110 | 16 | 7 | 110 | 16 | 7 | 110 | 16 | 7 | 110 | 16 | 7 | 110 | 16 |
| MANUAL_008 | 2/24/2025 | 6:09:10 PM | 15 | Town | 7 | 14 | 10 | 8 | 14 | 10 | 8 | 14 | 10 | 8 | 14 | 10 | 8 | 15 | 10 |
| MANUAL_009 | 2/25/2025 | 6:46:29 AM | 15 | Town | 3 | 232 | 21 | 3 | 232 | 21 | 4 | 232 | 21 | 4 | 233 | 21 | 4 | 243 | 23 |
| MANUAL_012 | 3/1/2025 | 2:58:02 PM | 15 | Town | 9 | 13 | 11 | 9 | 13 | 12 | 9 | 13 | 12 | 10 | 14 | 12 | 11 | 18 | 13 |
| MANUAL_014 | 3/2/2025 | 10:32:45 AM | 15 | Town | 10 | 15 | 13 | 10 | 15 | 13 | 10 | 15 | 13 | 10 | 15 | 13 | 10 | 16 | 13 |
| MANUAL_016 | 3/3/2025 | 1:25:29 PM | 15 | Town | 6 | 18 | 9 | 6 | 19 | 9 | 6 | 19 | 9 | 7 | 20 | 10 | 7 | 44 | 13 |
| MANUAL_019 | 3/4/2025 | 4:07:40 PM | 15 | Town | 5 | 7 | 6 | 5 | 7 | 6 | 5 | 7 | 6 | 5 | 7 | 6 | 5 | 7 | 6 |
| MANUAL_020 | 3/5/2025 | 3:08:29 PM | 15 | Town | 4 | 17 | 8 | 4 | 17 | 8 | 4 | 17 | 8 | 4 | 18 | 8 | 5 | 38 | 12 |
| MANUAL_022 | 3/6/2025 | 12:45:32 PM | 15 | Town | 2 | 5 | 4 | 2 | 5 | 4 | 2 | 5 | 4 | 2 | 6 | 4 | 3 | 7 | 4 |
| MANUAL_024 | 3/7/2025 | 4:51:47 PM | 15 | Town | 1 | 6 | 4 | 1 | 6 | 4 | 1 | 6 | 4 | 2 | 6 | 4 | 2 | 6 | 4 |
| MANUAL_026 | 3/8/2025 | 3:34:02 PM | 15 | Town | 6 | 8 | 7 | 6 | 8 | 7 | 6 | 8 | 7 | 6 | 8 | 7 | 6 | 9 | 8 |
| MANUAL_028 | 3/11/2025 | 2:51:52 PM | 15 | Town | 3 | 13 | 6 | 3 | 13 | 6 | 3 | 13 | 6 | 3 | 13 | 6 | 3 | 13 | 6 |
| MANUAL_031 | 3/12/2025 | 5:02:51 PM | 15 | Town | 9 | 13 | 11 | 9 | 14 | 12 | 9 | 14 | 12 | 9 | 14 | 12 | 9 | 19 | 13 |
| MANUAL_033 | 3/13/2025 | 4:30:58 PM | 15 | Town | 8 | 12 | 9 | 8 | 12 | 9 | 8 | 12 | 9 | 8 | 12 | 9 | 8 | 12 | 9 |
| MANUAL_035 | 3/14/2025 | 4:09:19 PM | 15 | Town | 8 | 20 | 11 | 8 | 20 | 11 | 8 | 20 | 11 | 8 | 21 | 12 | 8 | 37 | 16 |
| MANUAL_037 | 3/15/2025 | 4:15:22 PM | 15 | Town | 9 | 19 | 12 | 9 | 19 | 12 | 9 | 19 | 12 | 10 | 20 | 13 | 10 | 29 | 15 |
| MANUAL_039 | 3/16/2025 | 5:02:18 PM | 15 | Town | 10 | 17 | 11 | 10 | 17 | 11 | 10 | 17 | 11 | 10 | 17 | 11 | 10 | 21 | 12 |
| MANUAL_041 | 3/17/2025 | 6:09:31 PM | 15 | Town | 5 | 7 | 6 | 5 | 8 | 6 | 5 | 8 | 6 | 6 | 8 | 7 | 6 | 16 | 8 |
| MANUAL_043 | 3/18/2025 | 9:18:33 AM | 15 | Town | 6 | 9 | 8 | 6 | 9 | 8 | 6 | 9 | 8 | 7 | 9 | 8 | 7 | 12 | 9 |
| MANUAL_044 | 3/19/2025 | 3:09:37 PM | 15 | Town | 10 | 79 | 20 | 10 | 80 | 20 | 10 | 80 | 20 | 10 | 80 | 20 | 10 | 82 | 20 |
| MANUAL_046 | 3/20/2025 | 3:02:13 PM | 15 | Town | 14 | 21 | 18 | 15 | 21 | 18 | 15 | 21 | 18 | 15 | 21 | 18 | 15 | 28 | 19 |
| MANUAL_049 | 3/21/2025 | 4:19:12 PM | 15 | Town | 9 | 14 | 11 | 9 | 14 | 11 | 9 | 14 | 11 | 9 | 14 | 11 | 9 | 14 | 11 |
| MANUAL_051 | 3/22/2025 | 2:38:01 PM | 15 | Town | 10 | 11 | 11 | 10 | 11 | 11 | 10 | 12 | 11 | 10 | 12 | 11 | 10 | 13 | 11 |
| MANUAL_053 | 3/23/2025 | 4:43:29 PM | 15 | Town | 10 | 16 | 12 | 10 | 16 | 12 | 10 | 17 | 12 | 11 | 17 | 13 | 11 | 17 | 13 |
| MANUAL_055 | 3/24/2025 | 3:05:23 PM | 15 | Town | 10 | 13 | 12 | 10 | 13 | 12 | 10 | 13 | 12 | 10 | 13 | 12 | 10 | 15 | 12 |
| MANUAL_057 | 3/26/2025 | 4:08:51 PM | 15 | Town | 3 | 10 | 5 | 3 | 10 | 5 | 3 | 10 | 5 | 3 | 10 | 5 | 4 | 17 | 6 |
| MANUAL_059 | 3/27/2025 | 10:09:47 AM | 15 | Town | 5 | 13 | 10 | 5 | 13 | 10 | 5 | 13 | 10 | 6 | 14 | 11 | 9 | 25 | 17 |
| MANUAL_001 | 3/28/2025 | 3:18:20 PM | 15 | Town | 3 | 8 | 5 | 4 | 8 | 5 | 4 | 8 | 5 | 4 | 10 | 5 | 4 | 16 | 8 |
| MANUAL_003 | 3/29/2025 | 4:02:24 PM | 15 | Town | 3 | 6 | 5 | 3 | 7 | 5 | 3 | 7 | 5 | 3 | 7 | 5 | 3 | 12 | 7 |
| MANUAL_005 | 3/30/2025 | 10:21:01 AM | 15 | Town | 3 | 5 | 4 | 3 | 5 | 4 | 3 | 5 | 4 | 4 | 6 | 5 | 4 | 14 | 7 |
| MANUAL_007 | 3/31/2025 | 10:58:50 AM | 15 | Town | 5 | 9 | 7 | 5 | 9 | 7 | 5 | 9 | 7 | 5 | 10 | 8 | 5 | 10 | 9 |
| MANUAL_009 | 4/1/2025 | 2:18:50 PM | 15 | Town | 4 | 7 | 5 | 4 | 7 | 6 | 4 | 7 | 6 | 4 | 7 | 6 | 4 | 10 | 7 |
| MANUAL_011 | 4/2/2025 | 3:36:44 PM | 15 | Town | 4 | 67 | 10 | 4 | 67 | 10 | 4 | 67 | 10 | 4 | 68 | 10 | 4 | 90 | 13 |
| MANUAL_013 | 4/3/2025 | 2:41:38 PM | 15 | Town | 3 | 87 | 14 | 4 | 87 | 14 | 4 | 88 | 15 | 4 | 90 | 15 | 4 | 128 | 21 |
| MANUAL_016 | 4/4/2025 | 3:35:08 PM | 15 | Town | 3 | 6 | 5 | 3 | 7 | 5 | 3 | 7 | 5 | 3 | 8 | 5 | 4 | 12 | 7 |
| MANUAL_017 | 4/5/2025 | 4:24:53 PM | 15 | Town | 3 | 5 | 4 | 3 | 5 | 4 | 3 | 5 | 4 | 3 | 5 | 4 | 3 | 6 | 4 |
| MANUAL_019 | 4/6/2025 | 3:58:39 PM | 15 | Town | 3 | 5 | 4 | 3 | 5 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 7 | 5 |
| MANUAL_021 | 4/7/2025 | 3:42:46 PM | 15 | Town | 3 | 5 | 4 | 3 | 5 | 4 | 3 | 5 | 4 | 3 | 5 | 4 | 3 | 6 | 4 |
| MANUAL_023 | 4/8/2025 | 6:12:48 PM | 15 | Town | 3 | 5 | 4 | 3 | 5 | 4 | 3 | 5 | 4 | 4 | 5 | 4 | 4 | 6 | 5 |
| MANUAL_026 | 4/9/2025 | 4:02:42 PM | 15 | Town | 5 | 8 | 7 | 6 | 8 | 7 | 6 | 8 | 7 | 6 | 9 | 8 | 7 | 13 | 9 |
| MANUAL_028 | 4/10/2025 | 7:04:28 PM | 15 | Town | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 6 | 4 | 3 | 9 | 6 |
| MANUAL_030 | 4/11/2025 | 3:40:12 PM | 15 | Town | 4 | 5 | 4 | 4 | 5 | 5 | 4 | 6 | 5 | 5 | 7 | 5 | 5 | 12 | 6 |
| MANUAL_032 | 4/12/2025 | 9:38:52 AM | 15 | Town | 5 | 6 | 5 | 5 | 6 | 5 | 5 | 6 | 5 | 5 | 6 | 5 | 5 | 6 | 5 |
| MANUAL_002 | 4/13/2025 | 4:17:18 PM | 15 | Town | 6 | 16 | 8 | 6 | 17 | 8 | 6 | 17 | 8 | 6 | 17 | 8 | 6 | 17 | 8 |
| MANUAL_004 | 4/14/2025 | 4:36:23 PM | 15 | Town | 2 | 4 | 3 | 2 | 4 | 3 | 2 | 4 | 3 | 2 | 4 | 3 | 3 | 11 | 5 |
| MANUAL_006 | 4/15/2025 | 1:48:48 PM | 15 | Town | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 4 | 3 |
| MANUAL_008 | 4/16/2025 | 9:47:48 AM | 15 | Town | 4 | 5 | 5 | 4 | 5 | 5 | 4 | 5 | 5 | 4 | 6 | 5 | 4 | 12 | 6 |
| MANUAL_010 | 4/17/2025 | 2:20:48 PM | 15 | Town | 7 | 14 | 9 | 7 | 14 | 9 | 7 | 14 | 9 | 8 | 14 | 10 | 8 | 17 | 13 |
| MANUAL_012 | 4/18/2025 | 11:44:02 AM | 15 | Town | 5 | 9 | 6 | 5 | 9 | 6 | 5 | 9 | 6 | 5 | 12 | 7 | 5 | 38 | 13 |
| MANUAL_014 | 4/19/2025 | 12:10:07 PM | 15 | Town | 5 | 7 | 5 | 5 | 8 | 5 | 5 | 8 | 6 | 5 | 8 | 6 | 5 | 11 | 7 |
| MANUAL_016 | 4/20/2025 | 11:14:51 AM | 15 | Town | 5 | 7 | 6 | 5 | 7 | 6 | 5 | 7 | 6 | 5 | 7 | 6 | 5 | 8 | 6 |
| MANUAL_018 | 4/21/2025 | 11:33:53 AM | 15 | Town | 5 | 6 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 5 | 7 | 6 | 5 | 9 | 6 |
| MANUAL_002 | 4/22/2025 | 9:03:23 AM | 15 | Town | 3 | 7 | 4 | 3 | 7 | 4 | 4 | 7 | 4 | 4 | 11 | 5 | 5 | 46 | 15 |
| MANUAL_003 | 4/23/2025 | 3:52:38 PM | 15 | Town | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 8 | 4 | 3 | 20 | 9 |
| MANUAL_006 | 4/24/2025 | 12:31:41 PM | 15 | Town | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 3 | 2 | 1 | 3 | 2 | 2 | 17 | 3 |
| MANUAL_008 | 4/25/2025 | 10:54:52 AM | 15 | Town | 2 | 6 | 4 | 3 | 6 | 4 | 3 | 6 | 4 | 3 | 9 | 5 | 3 | 35 | 13 |
| MANUAL_010 | 4/26/2025 | 4:23:55 PM | 15 | Town | 5 | 7 | 6 | 5 | 7 | 6 | 5 | 8 | 6 | 5 | 12 | 8 | 7 | 36 | 18 |
| MANUAL_013 | 4/27/2025 | 10:36:26 AM | 15 | Town | 8 | 9 | 9 | 8 | 9 | 9 | 8 | 10 | 9 | 8 | 11 | 9 | 8 | 34 | 14 |
| MANUAL_014 | 4/28/2025 | 3:04:25 PM | 15 | Town | 2 | 24 | 6 | 3 | 26 | 6 | 3 | 32 | 7 | 3 | 59 | 11 | 3 | 174 | 33 |
| MANUAL_016 | 4/29/2025 | 9:24:10 AM | 15 | Town | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 10 | 4 |
| MANUAL_019 | 4/30/2025 | 8:06:22 PM | 15 | Town | 3 | 20 | 7 | 4 | 21 | 7 | 4 | 22 | 7 | 4 | 33 | 9 | 4 | 182 | 26 |
| MANUAL_021 | 5/1/2025 | 8:11:48 PM | 15 | Town | 4 | 226 | 26 | 4 | 243 | 28 | 4 | 280 | 32 | 4 | 579 | 63 | 8 | 2580 | 258 |
| MANUAL_023 | 5/2/2025 | 9:05:11 PM | 15 | Town | 3 | 5 | 4 | 4 | 5 | 4 | 4 | 6 | 4 | 4 | 8 | 5 | 4 | 29 | 13 |
| MANUAL_025 | 5/3/2025 | 4:18:46 PM | 15 | Town | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 7 | 3 |
| MANUAL_027 | 5/4/2025 | 6:19:21 PM | 10 | Town | 6 | 54 | 14 | 6 | 58 | 15 | 6 | 67 | 17 | 7 | 127 | 27 | 9 | 487 | 92 |
| MANUAL_029 | 5/5/2025 | 10:15:14 PM | 15 | Town | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 6 | 4 | 4 | 7 | 4 | 4 | 40 | 7 |
| MANUAL_031 | 5/6/2025 | 5:50:55 PM | 15 | Town | 3 | 103 | 12 | 3 | 113 | 13 | 3 | 131 | 14 | 3 | 266 | 28 | 3 | 944 | 97 |
| MANUAL_002 | 5/7/2025 | 8:38:41 PM | 15 | Town | 27 | 40 | 30 | 28 | 40 | 30 | 28 | 41 | 30 | 28 | 41 | 31 | 28 | 43 | 32 |
| MANUAL_033 | 5/8/2025 | 4:56:44 PM | 15 | Town | 17 | 26 | 20 | 17 | 27 | 21 | 18 | 29 | 22 | 19 | 40 | 27 | 34 | 143 | 63 |
| MANUAL_035 | 5/9/2025 | 4:20:16 PM | 15 | Town | 2 | 20 | 7 | 2 | 22 | 8 | 2 | 27 | 9 | 3 | 50 | 15 | 3 | 172 | 53 |
| MANUAL_037 | 5/10/2025 | 3:47:26 PM | 15 | Town | 4 | 10 | 5 | 4 | 11 | 5 | 4 | 13 | 6 | 5 | 21 | 7 | 5 | 37 | 14 |
| MANUAL_039 | 5/11/2025 | 5:19:12 PM | 15 | Town | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 6 | 4 |
| MANUAL_041 | 5/12/2025 | 5:31:54 PM | 15 | Town | 7 | 51 | 12 | 7 | 53 | 12 | 8 | 59 | 13 | 9 | 99 | 18 | 12 | 460 | 59 |
| MANUAL_043 | 5/13/2025 | 5:00:11 PM | 15 | Town | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 7 | 3 |
| MANUAL_045 | 5/14/2025 | 3:49:53 PM | 15 | Town | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 8 | 2 |
| MANUAL_047 | 5/15/2025 | 5:13:16 PM | 15 | Town | 2 | 9 | 3 | 2 | 10 | 3 | 2 | 11 | 3 | 2 | 18 | 4 | 2 | 98 | 12 |
|  | 5/16/2025 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MANUAL_002 | 5/17/2025 | 4:28:48 PM | 15 | Town | 0 | 3 | 1 | 0 | 3 | 1 | 0 | 3 | 1 | 0 | 6 | 1 | 0 | 26 | 5 |
| MANUAL_004 | 5/18/2025 | 11:08:09 AM | 15 | Town | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 3 | 2 |
| MANUAL_006 | 5/18/2025 | 3:58:27 PM | 15 | Town | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 6 | 2 |
| MANUAL_008 | 5/19/2025 | 11:08:40 AM | 15 | Town | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 15 | 9 |
| MANUAL_010 | 5/19/2025 | 3:19:56 PM | 15 | Town | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 6 | 2 |
| MANUAL_012 | 5/20/2025 | 10:50:47 AM | 15 | Town | 1 | 14 | 3 | 1 | 15 | 4 | 1 | 17 | 4 | 1 | 34 | 6 | 1 | 164 | 23 |
| MANUAL_014 | 5/20/2025 | 3:40:33 PM | 15 | Town | 2 | 19 | 3 | 2 | 20 | 3 | 2 | 24 | 4 | 2 | 53 | 6 | 2 | 170 | 17 |
| MANUAL_016 | 5/21/2025 | 10:50:41 AM | 15 | Town | 2 | 40 | 6 | 2 | 44 | 6 | 2 | 51 | 7 | 2 | 106 | 12 | 3 | 423 | 44 |
| MANUAL_018 | 5/21/2025 | 3:21:18 PM | 15 | Town | 2 | 9 | 3 | 2 | 10 | 4 | 2 | 11 | 4 | 2 | 18 | 5 | 2 | 70 | 14 |
| MANUAL_020 | 5/22/2025 | 10:47:28 AM | 15 | Town | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 6 | 6 | 10 | 7 |
| MANUAL_022 | 5/22/2025 | 3:18:05 PM | 15 | Town | 4 | 7 | 4 | 4 | 7 | 4 | 4 | 8 | 4 | 4 | 9 | 5 | 4 | 26 | 7 |
| MANUAL_024 | 5/23/2025 | 8:13:39 PM | 15 | Town | 4 | 6 | 5 | 4 | 6 | 5 | 4 | 6 | 5 | 4 | 6 | 5 | 4 | 11 | 6 |
| MANUAL_025 | 5/24/2025 | 9:40:05 AM | 15 | Town | 48 | 78 | 53 | 49 | 82 | 54 | 49 | 87 | 55 | 50 | 123 | 60 | 52 | 266 | 81 |
| MANUAL_028 | 5/24/2025 | 3:52:23 PM | 15 | Town | 19 | 20 | 19 | 19 | 20 | 19 | 19 | 20 | 19 | 19 | 20 | 20 | 19 | 26 | 21 |
| MANUAL_029 | 5/25/2025 | 10:21:47 AM | 15 | Town | 80 | 103 | 91 | 81 | 104 | 91 | 81 | 104 | 92 | 82 | 105 | 93 | 91 | 125 | 108 |
| MANUAL_032 | 5/25/2025 | 4:17:45 PM | 15 | Town | 45 | 50 | 47 | 45 | 50 | 47 | 45 | 51 | 47 | 46 | 53 | 48 | 46 | 63 | 54 |
| MANUAL_034 | 5/26/2025 | 10:49:02 AM | 15 | Town | 134 | 143 | 138 | 135 | 144 | 139 | 136 | 145 | 139 | 138 | 148 | 142 | 150 | 193 | 169 |
|  | 5/27/2025 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MANUAL_039 | 5/28/2025 | 1:29:18 PM | 15 | Town | 13 | 115 | 29 | 13 | 126 | 31 | 13 | 149 | 34 | 16 | 283 | 58 | 38 | 777 | 164 |

|  |  |  |  |  | PM1 [µg/m$^3$] |  |  | PM2.5 [µg/m$^3$] |  |  | PM4 [µg/m$^3$] |  |  | PM10 [µg/m$^3$] |  |  | TOTAL [µg/m$^3$] |  |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Test Name** | **Test Date** | **Test Start Time** | **Duration (min)** | **Location** | **Minimum** | **Maximum** | **Average** | **Minimum** | **Maximum** | **Average** | **Minimum** | **Maximum** | **Average** | **Minimum** | **Maximum** | **Average** | **Minimum** | **Maximum** | **Average** |
|  |  |  |  | No Monitoring due to Wildfire |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MANUAL_040 | 10/9/2025 | 3:31:52 PM | 15 | Town | 1 | 10 | 4 | 1 | 11 | 5 | 1 | 12 | 5 | 2 | 27 | 9 | 4 | 122 | 35 |
| MANUAL_042 | 10/10/2025 | 2:44:45 PM | 15 | Town | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 10 | 4 |
| MANUAL_044 | 10/11/2025 | 9:52:13 AM | 15 | Town | 6 | 8 | 7 | 7 | 9 | 8 | 8 | 9 | 8 | 10 | 13 | 11 | 11 | 48 | 18 |
| MANUAL_046 | 10/12/2025 | 10:07:00 AM | 15 | Town | 1 | 13 | 5 | 1 | 13 | 5 | 1 | 13 | 6 | 1 | 23 | 9 | 4 | 99 | 34 |
| MANUAL_048 | 10/13/2025 | 11:04:58 AM | 15 | Town | 0 | 3 | 1 | 0 | 3 | 1 | 0 | 3 | 1 | 0 | 5 | 2 | 0 | 23 | 7 |
| MANUAL_050 | 10/14/2025 | 2:16:24 PM | 15 | Town | 3 | 10 | 5 | 3 | 10 | 5 | 3 | 12 | 6 | 3 | 19 | 8 | 3 | 60 | 22 |
| MANUAL_052 | 10/15/2025 | 12:12:36 PM | 15 | Town | 4 | 7 | 6 | 5 | 8 | 6 | 5 | 9 | 6 | 5 | 13 | 8 | 6 | 27 | 14 |
| MANUAL_055 | 10/16/2025 | 11:51:55 AM | 15 | Town | 5 | 14 | 8 | 5 | 15 | 8 | 5 | 16 | 9 | 6 | 25 | 13 | 6 | 126 | 36 |
| MANUAL_056 | 10/17/2025 | 8:53:48 AM | 15 | Town | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M |
| MANUAL_058 | 10/18/2025 | 11:24:01 AM | 15 | Town | 5 | 23 | 10 | 6 | 28 | 11 | 6 | 31 | 12 | 7 | 33 | 12 | 10 | 40 | 21 |
| MANUAL_060 | 10/19/2025 | 8:37:21 AM | 15 | Town | 1 | 3 | 1 | 1 | 3 | 1 | 1 | 3 | 1 | 1 | 3 | 1 | 1 | 7 | 2 |
| MANUAL_062 | 10/20/2025 | 2:17:23 PM | 15 | Town | 1 | 3 | 2 | 1 | 3 | 2 | 1 | 3 | 2 | 2 | 4 | 2 | 2 | 34 | 5 |
|  | 10/21/2025 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MANUAL_002 | 10/22/2025 | 6:17:10 PM | 15 | Town | 3 | 37 | 18 | 3 | 37 | 18 | 3 | 37 | 18 | 3 | 37 | 18 | 5 | 39 | 20 |
| MANUAL_004 | 10/23/2025 | 4:56:56 PM | 15 | Town | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 |
| MANUAL_006 | 10/24/2025 | 5:06:48 PM | 15 | Town | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 6 | 6 | 9 | 7 |
| MANUAL_008 | 10/25/2025 | 5:03:55 PM | 15 | Town | 5 | 6 | 5 | 5 | 6 | 5 | 5 | 6 | 6 | 6 | 7 | 6 | 6 | 11 | 7 |
| MANUAL_002 | 10/26/2025 | 4:02:24 PM | 15 | Town | 6 | 8 | 7 | 7 | 8 | 7 | 7 | 8 | 7 | 7 | 8 | 7 | 7 | 9 | 7 |
| MANUAL_003 | 10/27/2025 | 4:42:03 PM | 15 | Town | 2 | 5 | 4 | 2 | 5 | 4 | 2 | 5 | 4 | 3 | 6 | 5 | 3 | 6 | 5 |
|  | 10/28/2025 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MANUAL_006 | 10/29/2025 | 3:42:32 PM | 15 | Town | 8 | 14 | 11 | 8 | 14 | 11 | 9 | 15 | 12 | 10 | 18 | 13 | 11 | 20 | 15 |
| MANUAL_008 | 10/30/2025 | 4:31:01 PM | 15 | Town | 10 | 74 | 31 | 10 | 74 | 31 | 10 | 75 | 32 | 11 | 101 | 36 | 12 | 138 | 40 |
| MANUAL_010 | 10/31/2025 | 3:41:22 PM | 15 | Town | 7 | 136 | 21 | 7 | 142 | 22 | 8 | 172 | 25 | 9 | 354 | 44 | 10 | 525 | 63 |
| MANUAL_012 | 11/1/2025 | 3:25:50 PM | 15 | Town | 13 | 16 | 15 | 13 | 16 | 15 | 13 | 17 | 15 | 13 | 17 | 15 | 13 | 17 | 15 |
|  | 11/2/2025 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 11/3/2025 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 11/4/2025 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MANUAL_001 | 11/5/2025 | 11:55:37 AM | 15 | Town | 3 | 19 | 8 | 3 | 19 | 8 | 3 | 19 | 8 | 4 | 20 | 8 | 4 | 20 | 8 |
| MANUAL_003 | 11/6/2025 | 10:47:30 AM | 15 | Town | 6 | 40 | 22 | 6 | 40 | 22 | 6 | 40 | 22 | 7 | 41 | 24 | 7 | 43 | 25 |
| MANUAL_005 | 11/7/2025 | 9:49:02 AM | 15 | Town | 2 | 37 | 9 | 2 | 38 | 9 | 2 | 41 | 10 | 4 | 77 | 15 | 7 | 121 | 21 |
| MANUAL_007 | 11/8/2025 | 10:28:35 AM | 15 | Town | 2 | 88 | 17 | 2 | 91 | 17 | 2 | 106 | 19 | 3 | 195 | 32 | 3 | 265 | 43 |
| MANUAL_009 | 11/9/2025 | 9:58:05 AM | 15 | Town | 0 | 10 | 4 | 0 | 10 | 4 | 0 | 10 | 4 | 0 | 10 | 4 | 0 | 10 | 4 |
| MANUAL_011 | 11/10/2025 | 2:59:55 PM | 15 | Town | 2 | 143 | 14 | 2 | 152 | 15 | 2 | 206 | 19 | 2 | 313 | 26 | 2 | 313 | 27 |
| MANUAL_013 | 11/11/2025 | 11:19:13 AM | 15 | Town | 0 | 8 | 2 | 0 | 8 | 2 | 0 | 9 | 3 | 1 | 9 | 3 | 1 | 9 | 3 |
| MANUAL_015 | 11/12/2025 | 9:01:47 AM | 15 | Town | 2 | 11 | 6 | 2 | 11 | 6 | 2 | 11 | 6 | 2 | 12 | 6 | 2 | 14 | 6 |
| MANUAL_018 | 11/13/2025 | 9:44:34 AM | 15 | Town | 7 | 11 | 9 | 7 | 11 | 9 | 7 | 13 | 10 | 7 | 16 | 10 | 7 | 16 | 10 |
| MANUAL_001 | 11/14/2025 | 9:37:03 AM | 15 | Town | 2 | 9 | 5 | 2 | 9 | 5 | 2 | 9 | 5 | 2 | 9 | 5 | 3 | 11 | 6 |
| MANUAL_003 | 11/15/2025 | 11:48:37 AM | 15 | Town | 3 | 124 | 33 | 3 | 124 | 33 | 3 | 124 | 33 | 3 | 127 | 34 | 4 | 132 | 37 |
| MANUAL_005 | 11/16/2025 | 11:56:17 AM | 15 | Town | 1 | 13 | 5 | 1 | 13 | 5 | 1 | 13 | 5 | 1 | 14 | 5 | 1 | 14 | 5 |
| MANUAL_007 | 11/17/2025 | 10:05:15 AM | 15 | Town | 2 | 79 | 16 | 2 | 85 | 17 | 2 | 117 | 21 | 2 | 200 | 36 | 2 | 201 | 36 |
| MANUAL_009 | 11/18/2025 | 10:09:24 AM | 15 | Town | 3 | 19 | 6 | 3 | 21 | 6 | 3 | 30 | 7 | 3 | 47 | 8 | 4 | 48 | 8 |
| MANUAL_011 | 11/19/2025 | 10:25:21 AM | 15 | Town | 8 | 121 | 19 | 8 | 130 | 19 | 8 | 183 | 23 | 8 | 406 | 39 | 8 | 407 | 39 |
| MANUAL_013 | 11/20/2025 | 10:06:41 AM | 15 | Town | 5 | 36 | 12 | 5 | 41 | 12 | 5 | 63 | 14 | 5 | 143 | 20 | 5 | 144 | 21 |
| MANUAL_015 | 11/21/2025 | 10:11:16 AM | 15 | Town | 2 | 12 | 6 | 2 | 12 | 6 | 2 | 12 | 6 | 3 | 12 | 6 | 3 | 12 | 6 |
| MANUAL_017 | 11/22/2025 | 10:02:51 AM | 15 | Town | 4 | 11 | 6 | 4 | 13 | 6 | 4 | 18 | 7 | 4 | 24 | 7 | 4 | 24 | 7 |
| MANUAL_006 | 11/23/2025 | 3:57:55 PM | 15 | Town | 5 | 154 | 16 | 5 | 157 | 16 | 5 | 203 | 17 | 6 | 399 | 22 | 6 | 404 | 22 |
| MANUAL_007 | 11/24/2025 | 9:06:35 AM | 15 | Town | 4 | 7 | 5 | 4 | 7 | 5 | 4 | 7 | 5 | 4 | 7 | 5 | 4 | 11 | 5 |
| MANUAL_009 | 11/25/2025 | 9:00:10 AM | 15 | Town | 3 | 16 | 4 | 3 | 16 | 4 | 3 | 16 | 4 | 3 | 16 | 4 | 3 | 16 | 5 |
| MANUAL_011 | 11/26/2025 | 9:16:48 AM | 15 | Town | 4 | 98 | 9 | 4 | 102 | 9 | 4 | 158 | 11 | 4 | 415 | 20 | 4 | 421 | 20 |
| MANUAL_013 | 11/27/2025 | 11:11:31 AM | 15 | Town | 5 | 8 | 6 | 5 | 8 | 6 | 5 | 8 | 6 | 5 | 8 | 6 | 5 | 8 | 6 |
| MANUAL_015 | 11/28/2025 | 8:54:48 AM | 15 | Town | 5 | 55 | 7 | 5 | 57 | 7 | 5 | 82 | 8 | 5 | 175 | 9 | 5 | 179 | 10 |
| MANUAL_017 | 11/29/2025 | 2:44:22 PM | 15 | Town | 5 | 58 | 10 | 5 | 58 | 10 | 5 | 58 | 10 | 6 | 59 | 10 | 6 | 59 | 10 |
| MANUAL_020 | 11/30/2025 | 9:59:59 AM | 15 | Town | 14 | 87 | 19 | 14 | 90 | 19 | 14 | 132 | 20 | 14 | 336 | 24 | 14 | 344 | 24 |
| MANUAL_022 | 12/1/2025 | 9:53:18 AM | 15 | Town | 16 | 40 | 18 | 16 | 40 | 18 | 16 | 48 | 19 | 16 | 114 | 20 | 16 | 117 | 22 |
| MANUAL_023 | 12/2/2025 | 8:24:09 AM | 15 | Town | 3 | 290 | 27 | 3 | 300 | 28 | 3 | 420 | 35 | 3 | 583 | 54 | 3 | 586 | 56 |
| MANUAL_025 | 12/3/2025 | 9:41:34 AM | 15 | Town | 5 | 57 | 12 | 5 | 58 | 12 | 5 | 72 | 12 | 5 | 153 | 15 | 5 | 155 | 16 |
| MANUAL_027 | 12/4/2025 | 10:00:25 AM | 15 | Town | 6 | 23 | 11 | 6 | 23 | 11 | 6 | 23 | 11 | 6 | 27 | 12 | 6 | 58 | 23 |
| MANUAL_029 | 12/5/2025 | 9:13:08 AM | 15 | Town | 5 | 76 | 10 | 5 | 76 | 10 | 5 | 76 | 10 | 5 | 77 | 11 | 5 | 82 | 14 |
| MANUAL_031 | 12/6/2025 | 9:37:08 AM | 15 | Town | 8 | 20 | 13 | 8 | 20 | 13 | 8 | 21 | 13 | 8 | 26 | 14 | 8 | 26 | 14 |
| MANUAL_033 | 12/7/2025 | 10:27:41 AM | 15 | Town | 6 | 16 | 11 | 6 | 16 | 11 | 6 | 16 | 11 | 6 | 16 | 11 | 6 | 16 | 11 |
| MANUAL_035 | 12/8/2025 | 9:59:21 AM | 15 | Town | 6 | 21 | 10 | 6 | 21 | 10 | 6 | 28 | 11 | 6 | 58 | 12 | 6 | 65 | 12 |
| MANUAL_038 | 12/9/2025 | 6:09:46 PM | 15 | Town | 13 | 58 | 16 | 13 | 58 | 16 | 13 | 58 | 16 | 13 | 58 | 16 | 13 | 58 | 18 |
|  | 12/10/2025 |  | 15 | Town |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MANUAL_039 | 12/11/2025 | 10:07:35 AM | 15 | Town | 6 | 146 | 15 | 6 | 146 | 15 | 6 | 147 | 15 | 6 | 149 | 15 | 6 | 149 | 17 |
| MANUAL_041 | 12/12/2025 | 9:50:00 AM | 15 | Town | 6 | 399 | 31 | 6 | 399 | 31 | 6 | 400 | 31 | 6 | 406 | 32 | 8 | 512 | 43 |
| MANUAL_043 | 12/13/2025 | 7:52:44 AM | 15 | Town | 11 | 66 | 18 | 11 | 66 | 18 | 12 | 67 | 18 | 12 | 78 | 19 | 12 | 132 | 21 |
| MANUAL_045 | 12/14/2025 | 7:48:21 AM | 15 | Town | 6 | 16 | 10 | 6 | 16 | 10 | 6 | 16 | 10 | 6 | 19 | 10 | 6 | 30 | 11 |
| MANUAL_047 | 12/15/2025 | 7:51:42 AM | 15 | Town | 14 | 148 | 47 | 14 | 148 | 47 | 14 | 148 | 47 | 14 | 173 | 49 | 19 | 456 | 125 |
| MANUAL_049 | 12/16/2025 | 8:00:51 AM | 15 | Town | 10 | 62 | 14 | 10 | 62 | 14 | 10 | 71 | 14 | 10 | 99 | 14 | 10 | 135 | 16 |
| MANUAL_051 | 12/17/2025 | 5:50:23 PM | 15 | Town | 12 | 208 | 66 | 12 | 208 | 66 | 12 | 208 | 66 | 12 | 212 | 68 | 16 | 642 | 165 |
|  | 12/18/2025 |  | 15 | Town |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MANUAL_053 | 12/19/2025 | 1:49:12 PM | 15 | Town | 6 | 103 | 16 | 6 | 103 | 16 | 6 | 103 | 16 | 6 | 107 | 16 | 6 | 158 | 18 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Average** | Feb 18 - March 11 | 1 | 232 | 9 | 1 | 232 | 10 | 1 | 232 | 10 | 2 | 233 | 10 | 2 | 243 | 11 |
|  | March 12 - March 27 | 3 | 79 | 11 | 3 | 80 | 11 | 3 | 80 | 11 | 3 | 80 | 11 | 4 | 82 | 13 |
|  | March 28 - April 12 | 3 | 87 | 6 | 3 | 87 | 6 | 3 | 88 | 6 | 3 | 90 | 6 | 3 | 128 | 8 |
|  | April 13 - April 21 | 2 | 16 | 6 | 2 | 17 | 6 | 2 | 17 | 6 | 2 | 17 | 6 | 2 | 38 | 7 |
|  | April 22 - April 30 | 1 | 24 | 5 | 1 | 26 | 5 | 1 | 32 | 5 | 1 | 59 | 6 | 2 | 182 | 15 |
|  | May 1 - May 15 | 1 | 226 | 10 | 1 | 243 | 10 | 1 | 280 | 11 | 1 | 579 | 16 | 1 | 2580 | 47 |
|  | May 16 - May 23 | 1 | 40 | 4 | 1 | 44 | 5 | 1 | 51 | 5 | 1 | 106 | 6 | 1 | 423 | 13 |
|  | May 24 - May 28 (Wildfire) | 13 | 143 | 63 | 13 | 144 | 63 | 13 | 149 | 64 | 16 | 283 | 70 | 19 | 777 | 99 |
|  | Oct 9 - Oct 20 | 0 | 23 | 5 | 0 | 28 | 5 | 0 | 31 | 5 | 0 | 33 | 7 | 0 | 126 | 18 |
|  | Oct 22 - Nov 1 | 2 | 136 | 12 | 2 | 142 | 12 | 2 | 172 | 13 | 3 | 354 | 15 | 3 | 525 | 18 |
|  | Nov 2 - Nov 13 | 0 | 143 | 10 | 0 | 152 | 10 | 0 | 206 | 11 | 0 | 313 | 14 | 0 | 313 | 16 |
|  | Nov 14 - Nov 22 | 1 | 124 | 12 | 1 | 130 | 12 | 1 | 183 | 14 | 1 | 406 | 18 | 1 | 407 | 18 |
|  | Nov 23 - Dec 19 | 3 | 399 | 17 | 3 | 399 | 17 | 3 | 420 | 17 | 3 | 583 | 20 | 3 | 642 | 28 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **Entire Sampling Period (excluding May 24 - May 28 - Wildfire)** | 0 | 399 | 10 | 0 | 399 | 10 | 0 | 420 | 10 | 0 | 583 | 12 | 0 | 2580 | 19 |

# Appendix C Summary of 2025 Dustfall Data

## Summary of 2025 Dustfall Data

*The Ontario’s Ambient Air Quality Criteria for Total Dustfall is 7 g/m$^2$, and then converted to 2.33 mg/dm$^2$/day.*
*The Ontario’s Ambient Air Quality Criteria applies to the LLGP.*

*Yellow highlighted cells indicate a total dustfall value that is greater than the Ontario’s Ambient Air Quality Criteria.*

| Sample ID | Date Placed in Field | Date Taken From Field | Days in Field | Total Dustfall mg/dm$^2$/day | Field Observations/Comments | |
|---|---|---|---|---|---|---|
| Ontario's AAQC | | | | 2.33 | | |
| Station B | 6-Mar-25 | 4-Apr-25 | 29 | <0.24 | | March to April |
| Station C | 6-Mar-25 | 4-Apr-25 | 29 | <0.24 | | |
| Station E | 6-Mar-25 | 4-Apr-25 | 29 | <0.24 | | |
| Station F | 6-Mar-25 | 4-Apr-25 | 29 | 0.86 | | |
| Station G | 6-Mar-25 | 4-Apr-25 | 29 | <0.24 | | |
| Ontario's AAQC | | | | 2.33 | | |
| Station B | 4-Apr-25 | 5-May-25 | 31 | <0.22 | | April to May |
| Station C | 4-Apr-25 | 5-May-25 | 31 | 0.22 | | |
| Station E | 4-Apr-25 | 5-May-25 | 31 | <0.22 | | |
| Station F | 4-Apr-25 | 5-May-25 | 31 | <0.22 | | |
| Station G | 4-Apr-25 | 5-May-25 | 31 | <0.22 | | |
| Ontario's AAQC | | | | 2.33 | | |
| Station B | 5-May-25 | 11-Oct-25 | 159 | 0.87 | | May-October |
| Station C | 5-May-25 | 11-Oct-25 | 159 | 0.91 | | |
| Station E | 5-May-25 | 11-Oct-25 | 159 | 0.21 | | |
| Station F | 5-May-25 | 11-Oct-25 | 159 | 0.90 | | |
| Station G | 5-May-25 | 11-Oct-25 | 159 | 0.27 | | |
| Ontario's AAQC | | | | 2.33 | | |
| Station B | 11-Oct-25 | 11-Nov-25 | 31 | <0.22 | | October to November |
| Station C | 11-Oct-25 | 11-Nov-25 | 31 | 0.41 | | |
| Station E | 11-Oct-25 | 11-Nov-25 | 31 | <0.22 | | |
| Station F | 11-Oct-25 | 11-Nov-25 | 31 | <0.22 | | |
| Station G | 11-Oct-25 | 11-Nov-25 | 31 | <0.22 | | |
| Ontario's AAQC | | | | 2.33 | | |
| Station B | 11-Nov-25 | 11-Dec-25 | 31 | <0.22 | | November to December |
| Station C | 11-Nov-25 | 11-Dec-25 | 31 | <0.22 | | |
| Station E | 11-Nov-25 | 11-Dec-25 | 31 | <0.22 | | |
| Station F | 11-Nov-25 | 11-Dec-25 | 31 | <0.22 | | |
| Station G | 11-Nov-25 | 11-Dec-25 | 31 | <0.22 | | |
| Ontario's AAQC | | | | 2.33 | | |
| Station B | 11-Dec-25 | 11-Jan-26 | 31 | <0.23 | | December to January |
| Station C | 11-Dec-25 | 11-Jan-26 | 31 | <0.23 | | |
| Station E | 11-Dec-25 | 11-Jan-26 | 31 | <0.23 | | |
| Station F | 11-Dec-25 | 11-Jan-26 | 31 | <0.23 | | |
| Station G | 11-Dec-25 | 11-Jan-26 | 31 | <0.23 | | |

## Air Quality Monitoring Annual Report 2025

### Summary of 2025 Total Metal Deposition from Dustfall from October 11, 2025 to November 11, 2025

| | Total Metal Deposition mg/dm$^2$/day | | | | | |
|---|---|---|---|---|---|---|
| **Metal** | **Station B** | **Station C** | **Station E** | **Station F** | **Station G** | **2025 Max** |
| Aluminum (Al) | 6.00E-04 | 4.09E-03 | 1.19E-03 | 6.00E-04 | 6.64E-04 | 4.09E-03 |
| Antimony (Sb) | BDL | BDL | BDL | BDL | BDL | BDL |
| Arsenic (As) | BDL | 2.21E-05 | BDL | BDL | BDL | BDL |
| Barium (Ba) | 1.10E-05 | 4.94E-05 | 2.98E-05 | 1.15E-05 | 9.10E-06 | 4.94E-05 |
| Beryllium (Be) | BDL | BDL | BDL | BDL | BDL | BDL |
| Bismuth (Bi) | BDL | BDL | BDL | BDL | BDL | BDL |
| Boron (B) | BDL | BDL | BDL | BDL | BDL | BDL |
| Cadmium(Cd) | BDL | BDL | BDL | BDL | BDL | BDL |
| Calcium(Ca) | 1.63E-03 | 3.14E-03 | 2.45E-03 | 1.51E-03 | 1.92E-03 | 3.14E-03 |
| Chromium(Cr) | BDL | 1.50E-05 | BDL | BDL | BDL | 1.50E-05 |
| Cobalt(Co) | BDL | BDL | BDL | BDL | BDL | BDL |
| Copper(Cu) | BDL | 9.10E-05 | BDL | BDL | BDL | 9.10E-05 |
| Iron(Fe) | 9.90E-04 | 4.54E-03 | 1.57E-03 | BDL | 9.90E-04 | 4.54E-03 |
| Lead(Pb) | 1.80E-06 | 5.90E-06 | 2.10E-06 | BDL | 1.90E-06 | 5.90E-06 |
| Lithium(Li) | BDL | BDL | BDL | BDL | BDL | BDL |
| Magnesium(Mg) | 5.90E-04 | 1.77E-03 | 9.20E-04 | 5.50E-04 | 1.36E-03 | 1.77E-03 |
| Manganese(Mn) | 6.00E-05 | 1.14E-04 | 2.62E-05 | 2.97E-05 | 7.16E-05 | 1.14E-04 |
| Mercury(Hg) | BDL | BDL | BDL | BDL | BDL | BDL |
| Molybdenum(Mo) | BDL | BDL | BDL | BDL | BDL | BDL |
| Nickel(Ni) | BDL | BDL | BDL | BDL | BDL | BDL |
| Phosphorus(P) | BDL | BDL | BDL | BDL | BDL | BDL |
| Potassium(K) | 2.00E-03 | 1.70E-03 | BDL | BDL | 1.18E-02 | 1.18E-02 |
| Selenium(Se) | BDL | BDL | BDL | BDL | BDL | BDL |
| Silicon(Si) | BDL | 6.60E-03 | 2.20E-03 | BDL | BDL | 6.60E-03 |
| Silver(Ag) | BDL | BDL | BDL | BDL | BDL | BDL |
| Sodium(Na) | BDL | BDL | BDL | BDL | 1.60E-03 | 1.60E-03 |
| Strontium(Sr) | 4.00E-06 | 1.26E-05 | 1.26E-05 | 3.80E-06 | 3.20E-06 | 1.26E-05 |
| Thallium(Tl) | BDL | BDL | BDL | BDL | BDL | BDL |

| | | | | | | |
|---|---|---|---|---|---|---|
| Tin(Sn) | BDL | BDL | BDL | BDL | BDL | BDL |
| Titanium(Ti) | BDL | BDL | BDL | BDL | BDL | BDL |
| Uranium(U) | BDL | BDL | BDL | BDL | BDL | BDL |
| Vanadium(V) | BDL | BDL | BDL | BDL | BDL | BDL |
| Zinc(Zn) | BDL | 1.05E-04 | BDL | BDL | 9.30E-05 | 1.05E-04 |

NOTE:

BDL = Below detection limit

# Appendix D 2025 Air Quality Charts

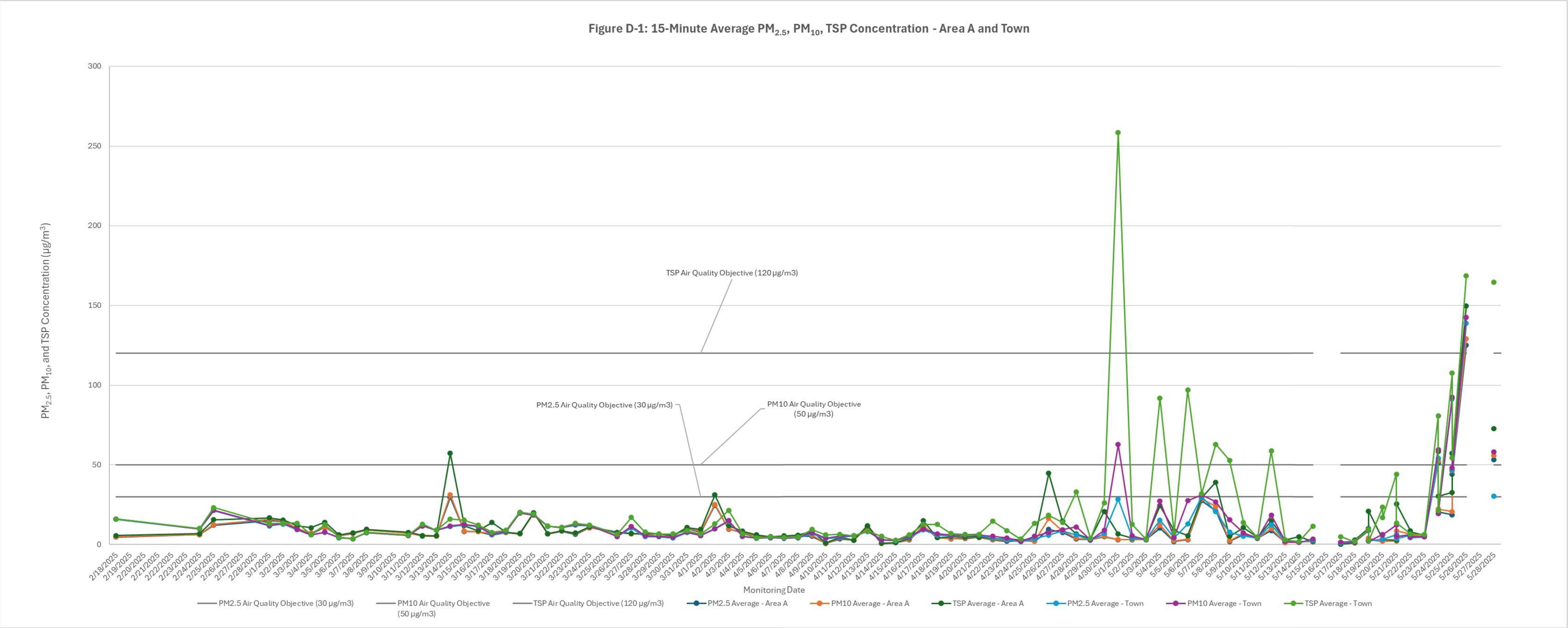


Figure D-1: 15-Minute Average $PM_{2.5}$, $PM_{10}$, TSP Concentration - Area A and Town

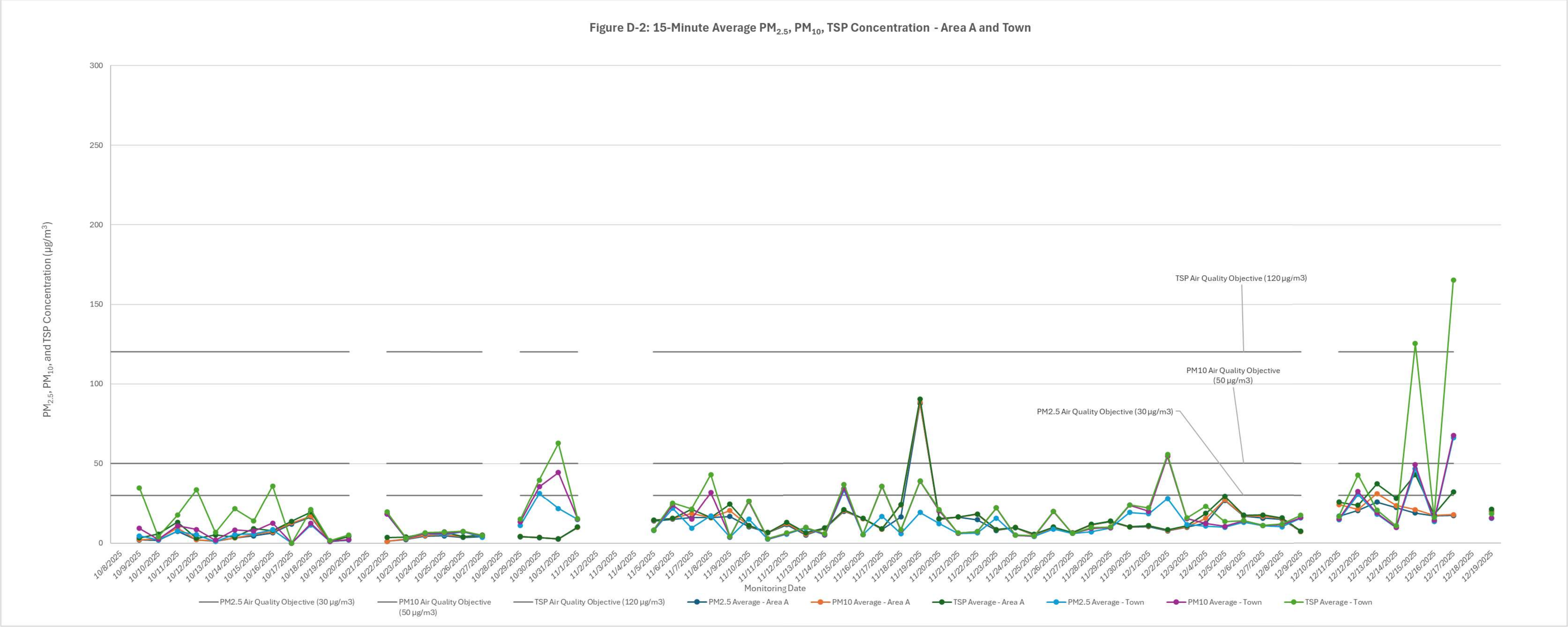
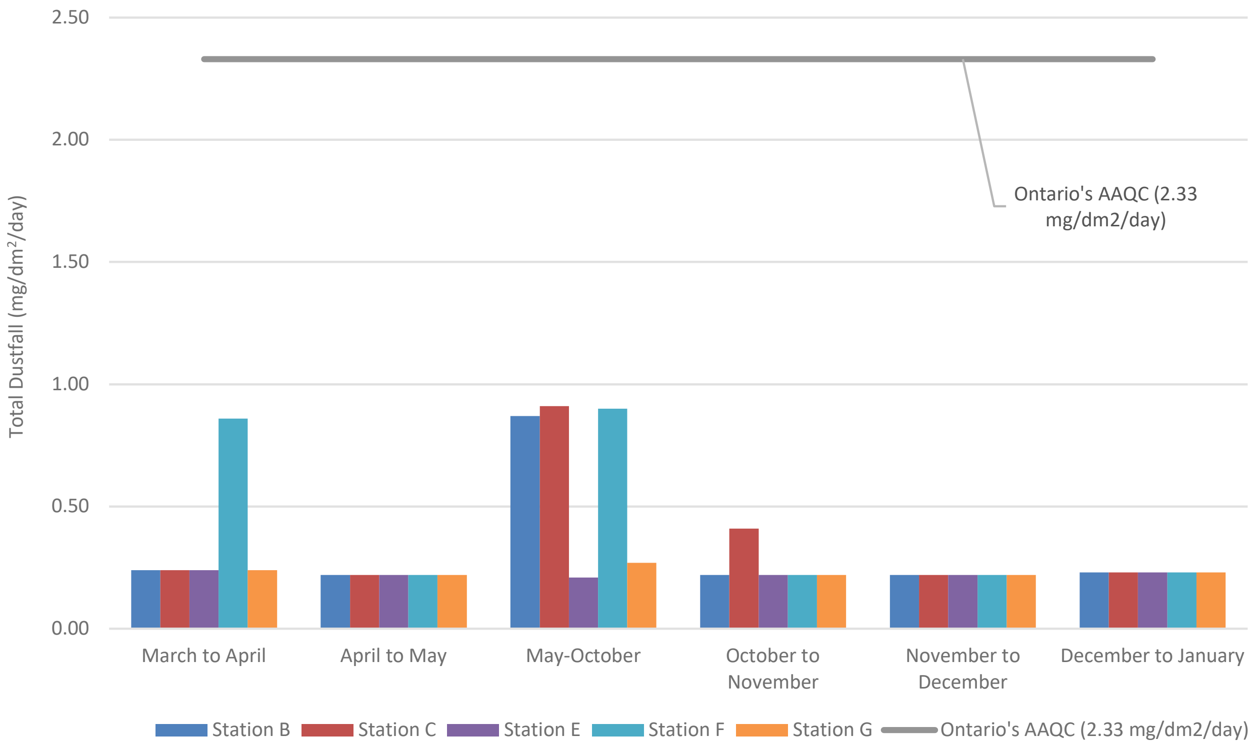


Figure D-2: 15-Minute Average $PM_{2.5}$, $PM_{10}$, TSP Concentration - Area A and Town

Figure D-3: Monthly Total Dustfall at Five Dustfall Stations



The May-October results were biased by the wildfire emissions.

# Appendix E Summary of 2025 Meteorological Data at Lynn Lake Reference Climate Station and Lynn Lake Climate Normal (1991-2020)

*Table E-1 Summary of 2025 Air Temperature and Precipitation at Lynn Lake Reference Climate Station and Lynn Lake Climate Normal (1991-2020)*

| **Parameters** | **Station** | **Jan** | **Feb** | **Mar** | **Apr** | **May** | **Jun** | **Jul** | **Aug** | **Sep** | **Oct** | **Nov** | **Dec** | **Annual** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Monthly Average Maximum Temperature (°C) | Lynn Lake RSC (2025) [1][3] | -16.1 | -18.0 | -9.6 | 2.8 | 16.3 | - | - | 21.6 | - | 8.3 | -3.8 | -21.7 | - |
| | Lynn Lake Climate Normal [2] | -18.5 | -14.6 | -6.5 | 3 | 12.0 | 19.4 | 22.6 | 20.4 | 13.0 | 3.2 | -7.7 | -15.8 | 2.6 |
| Monthly Average Temperature (°C) | Lynn Lake RSC (2025) [1][3] | -21.4 | -22.5 | -16.6 | -2.3 | 9.6 | - | - | 15.9 | - | 4.4 | -6.2 | -25.0 | - |
| | Lynn Lake Climate Normal [2] | -23.4 | -20.7 | -13.5 | -3.6 | 5.5 | 13.2 | 16.5 | 14.7 | 8.1 | -0.3 | -11.9 | -20.4 | -3.0 |
| Monthly Average Minimum Temperature (°C) | Lynn Lake RSC (2025) [1][3] | -27.5 | -27.5 | -25.4 | -8.8 | 2.3 | - | - | 10.1 | - | 0.9 | -9.2 | -28.9 | - |
| | Lynn Lake Climate Normal [2] | -28.3 | -26.7 | -20.4 | -10.2 | -0.9 | 6.8 | 10.5 | 9.0 | 3.1 | -3.8 | -16.1 | -25 | -8.5 |
| Average Total Precipitation (mm) | Lynn Lake RSC (2025) [4] | 23.5 | 15.7 | 12.6 | 9.0 | - | - | - | - | - | - | 9.3 [5] | 34.7 | - |
| | Lynn Lake Climate Normal [2] | 20.0 | 15.5 | 24.6 | 20.9 | 34.1 | 64.8 | 85.9 | 70.7 | 65.4 | 39.0 | 25.8 | 17.7 | 484.5 |

Notes:

"-" stands for data gaps.

[1] Data based on Lynn Lake RSC (ECCC stations Climate ID 5061649) 2025 hourly data downloaded from ECCC website (ECCC 2026a). Data gaps include May 30, 12:00 PM to July 15, 6:00 PM, 2025; August 5, 11:00 AM, 2025; August 30, 6:00 PM to September 9, 11:00 AM, 2025; September 11, 3:00 PM, 2025; September 15, 9:00 AM, 2025, September 16, 10:00 PM, 2025, September 17, 8:00 AM, 2025; October 30, 9:00 AM, 2025; November 11, 7:00 PM and 8:00 PM, 2025, total 1352 hour

[2] Climate normals for period 1991-2020, for Lynn Lake (ECCC 2026b).

[3] The data gaps include a total of 1352 hours, which are May 30, 12:00 PM to July 15, 6:00 PM; August 5, 11:00 AM; August 30, 6:00 PM to September 9, 11:00 AM; September 11, 3:00 PM; September 15, 9:00 AM, September 16, 10:00 PM; September 17, 8:00 AM; October 30, 9:00 AM; November 11, 7:00 PM and 8:00 PM (ECCC 2026a).

[4] Data based on Lynn Lake RSC (ECCC stations Climate ID 5061649) 2025 daily data downloaded from ECCC website (ECCC 2026a). The data gaps include May 30 to July 15; August 30 to September 9; September 11; September 15 to 17; October 30; November 11, 2025 at the Lynn Lake RSC.

[5] Data from Lynn Lake station (ECCC station climate ID 5061645) (ECCC 2026a).

*Table E-2 Summary of 2025 Wind Speed at Lynn Lake Reference Climate Station*

| **Parameters** | **Station** | **Jan** | **Feb** | **Mar** | **Apr** | **May** | **Jun** | **Jul** | **Aug** | **Sep** | **Oct** | **Nov** | **Dec** | **Annual** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum Wind Speed (m/s) | Lynn Lake RSC (2025) [1] | 9.4 | 8.1 | 9.4 | 8.1 | 9.7 | - | 8.3 | 6.4 | 6.7 | 7.5 | 10.8 | 8.6 | 10.8 |
| Average Wind Speed (m/s) | Lynn Lake RSC (2025) [1] | 3.0 | 3.1 | 2.6 | 2.9 | 2.9 | - | 2.7 | 2.3 | 2.3 | 2.9 | 3.5 | 2.6 | - |

Notes:

"-" stands for data gaps.

[1] Data based on Lynn Lake RSC (ECCC stations Climate ID 5061649) 2025 hourly data downloaded from ECCC website (ECCC 2026a). There are a total of 1,676 hour missing.

*Figure E-1 Summary of Monthly Average Maximum Temperatures at Lynn Lake Reference Climate Station and Lynn Lake Climate Normal*

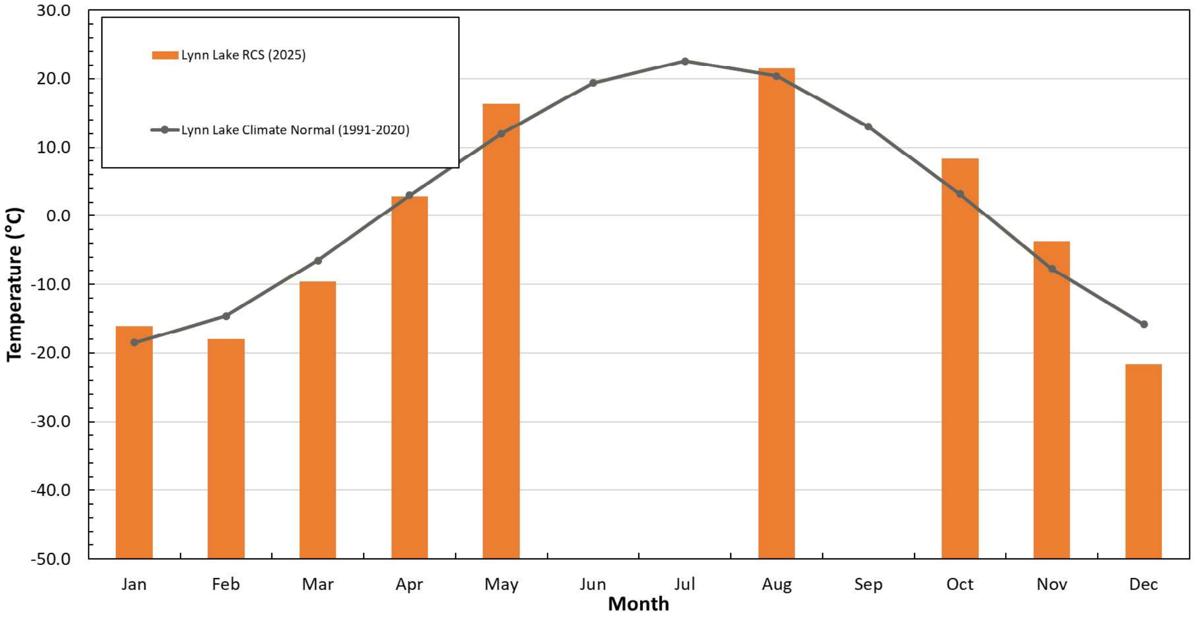


*Figure E-2 Summary of Monthly Average Temperatures at Lynn Lake Reference Climate Station and Lynn Lake Climate Normal*

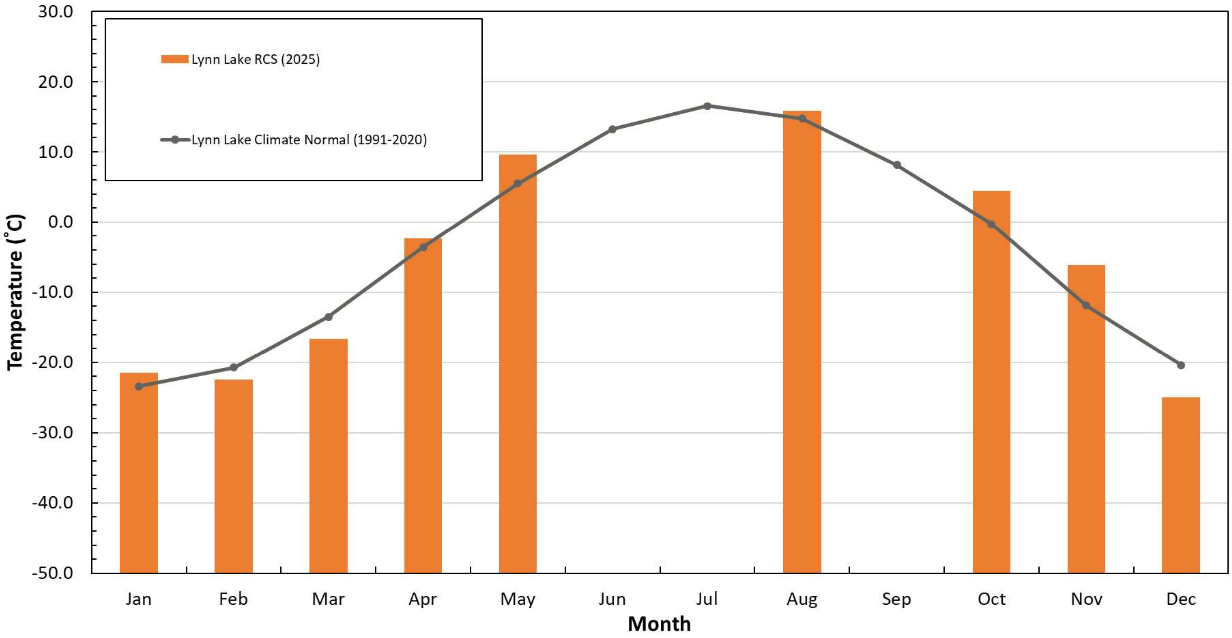


*Figure E-3 Summary of Monthly Average Minimum Temperatures at Lynn Lake Reference Climate Station and Lynn Lake Climate Normal*

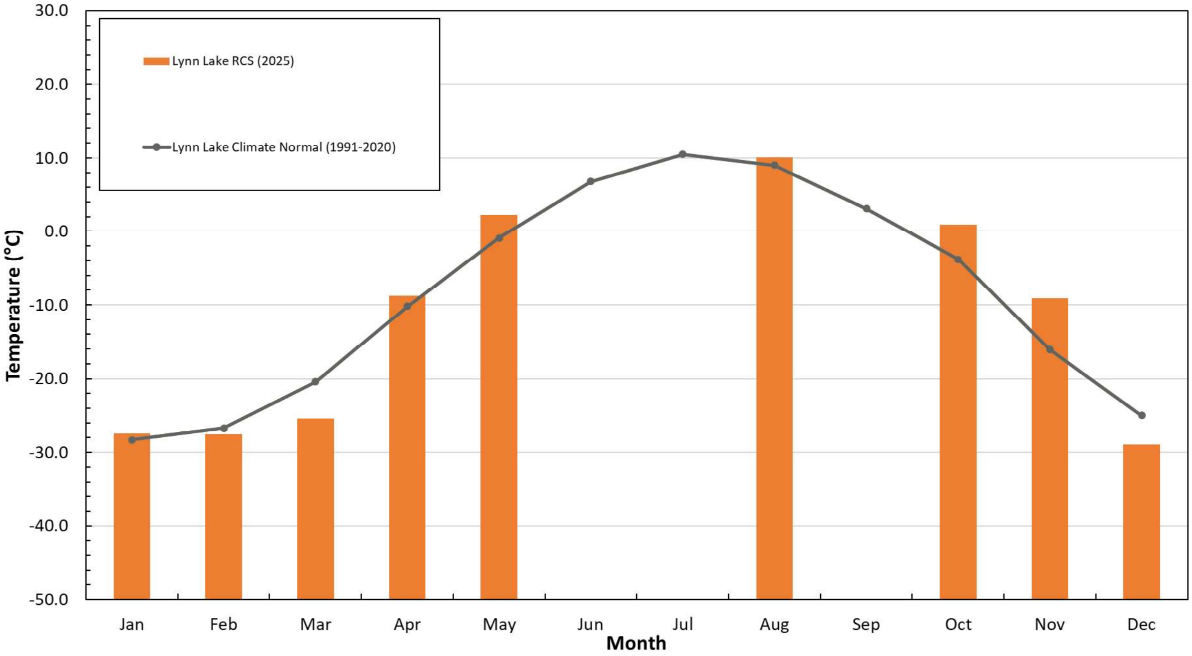


*Figure E-4 Summary of Monthly Precipitation at Lynn Lake Reference Climate Station and Lynn Lake Climate Normal*

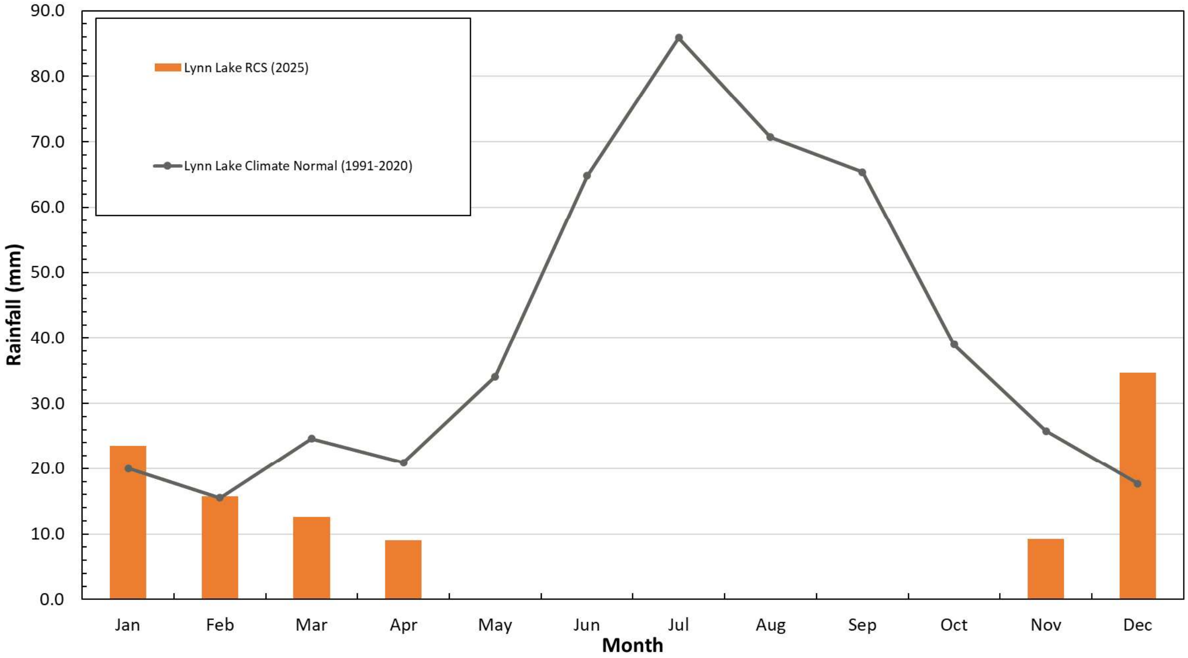


*Figure E-5 2025 Wind Rose at Lynn Lake Reference Climate Station*

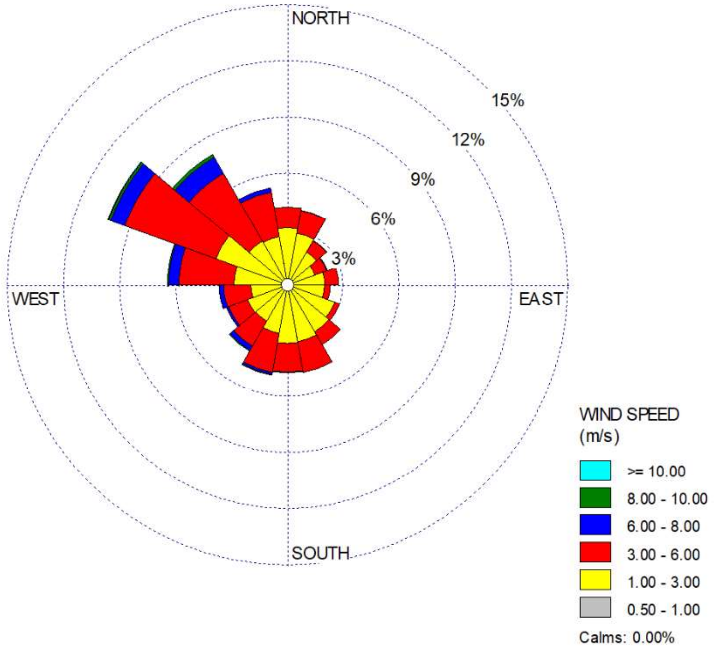
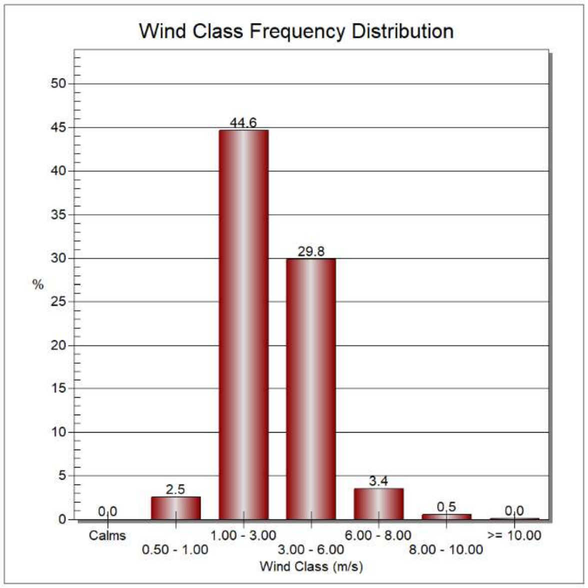


*Figure E-6 2025 Wind Class Frequency Distribution at Lynn Lake Reference Climate Station*



# Appendix F Calibration Certificates

# INSTRUMENT CALIBRATION REPORT

**Pine Environmental Services LLC**

159 Colonnade Road
Unit 3
Ottawa, Ontario K2E 7L9

## Pine Environmental Services, Inc.

| | |
|---|---|
| **Instrument ID** | 27839 |
| **Description** | TSI DustTrak DRX handheld 8534 |
| **Calibrated** | 1/27/2025 11:09:39AM |

---

| | | | |
|---|---|---|---|
| **Manufacturer** | Tsi | **State Certified** | |
| **Model Number** | 8534 | **Status** | Pass |
| **Serial Number/ Lot Number** | 8534151102 | **Temp °C** | 23.0 |
| **Location** | Ottawa | **Humidity %** | 19 |
| **Department** | | | |

### Calibration Specifications

**Group #** 1
**Group Name** INSTRUMENT TEST
**Test Performed:** Yes **As Found Result:** Pass **As Left Result:** Pass

**Test Instruments Used During the Calibration** **(As Of Cal Entry Date)**

| Test Standard ID | Description | Manufacturer | Model Number | Serial Number / Lot Number | Last Cal Date/ Opened Date | Next Cal Date / Expiration Date |
|---|---|---|---|---|---|---|

**Notes about this calibration**

**Calibration Result** Calibration Successful
**Who Calibrated** Ken Renton

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

**Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment**
**Please call 800-301-9663 for Technical Assistance**

TSI P/N 2300157

# CERTIFICATE OF CALIBRATION AND TESTING

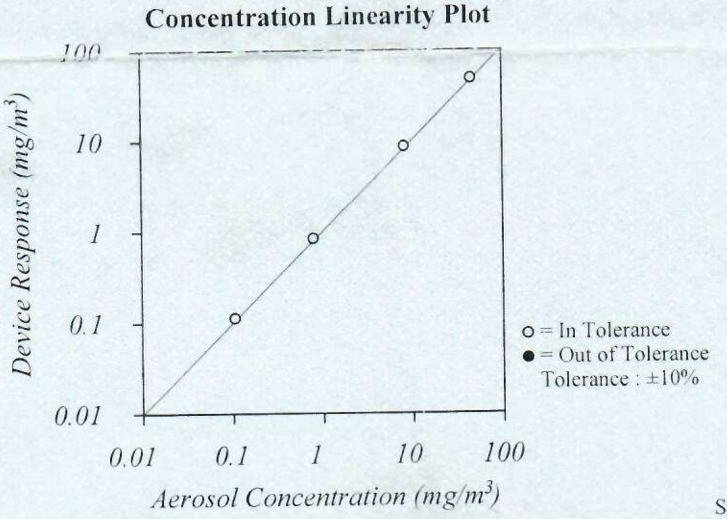
TSI Incorporated, 500 Cardigan Road, Shoreview, MN 55126 USA
Tel: 1-800-874-2811 1-651-490-2811 Fax: 1-651-490-3824 http://www.tsi.com

27839

| Environment Conditions | | |
|---|---|---|
| Temperature | 72.3 (22.4) | °F (°C) |
| Relative Humidity | 35 | %RH |
| Barometric Pressure | 29.15 (987.1) | inHg (hPa) |

| | |
|---|---|
| **Model** | **8534** |
| **Serial Number** | **8534151102** |

☐ As Left
☒ As Found
☒ In Tolerance
☐ Out of Tolerance



System ID: DTII01-02

**FLOW AND PRESSURE VERIFICATION** — **SYSTEM DTII01-02**

| Parameter | Standard | Measured | Allowable Range | Parameter | Standard | Measured | Allowable Range |
|---|---|---|---|---|---|---|---|
| Flow lpm | 3.00 | 3.03 | 2.85 ~ 3.15 | Pressure kPa | 98.7 | 98.6 | 93.79 ~ 103.66 |
| Full Flow lpm | N/A | 5.24 | >3.80 | | | | |

Pump run time: 1440 Hours, Pump voltage: 557 Bits

*TSI Incorporated does hereby certify that all materials, components, and workmanship used in the manufacture of this equipment are in strict accordance with the applicable specifications agreed upon by TSI and the customer and with all published specifications. All performance and acceptance tests required under this contract were successfully conducted according to required specifications. There is no NIST standard for optical mass measurements. Calibration of this instrument performed by TSI has been done using emery oil and has been nominally adjusted to respirable mass per standard ISO 12103-1, A1 test dust (Arizona dust). Our calibration ratio is greater than 1.2:1*

| Measurement Variable | System ID | Last Cal. | Cal. Due |
|---|---|---|---|
| DC Voltage | E010539 | 06-11-24 | 12-31-25 |
| Microbalance | M001324 | 01-09-23 | 01-31-25 |
| 3 um PSL | 264877 | n/a | n/a |
| Pressure | E003511 | 10-30-24 | 10-31-25 |
| DC Voltage | E003315 | 01-09-23 | 01-31-28 |

| Measurement Variable | System ID | Last Cal. | Cal. Due |
|---|---|---|---|
| Photometer | E005612 | 10-29-24 | 10-31-25 |
| 1 um PSL | A840090 | n/a | n/a |
| 10 um PSL | 272087 | n/a | n/a |
| Flowmeter | E002471 | 05-20-24 | 05-31-25 |

Tou Thao
Verified

November 25, 2024
Date

TSI P/N 2300157

# CERTIFICATE OF CALIBRATION AND TESTING

**TSI Incorporated, 500 Cardigan Road, Shoreview, MN 55126 USA**
**Tel: 1-800-874-2811 1-651-490-2811 Fax: 1-651-490-3824 http://www.tsi.com**

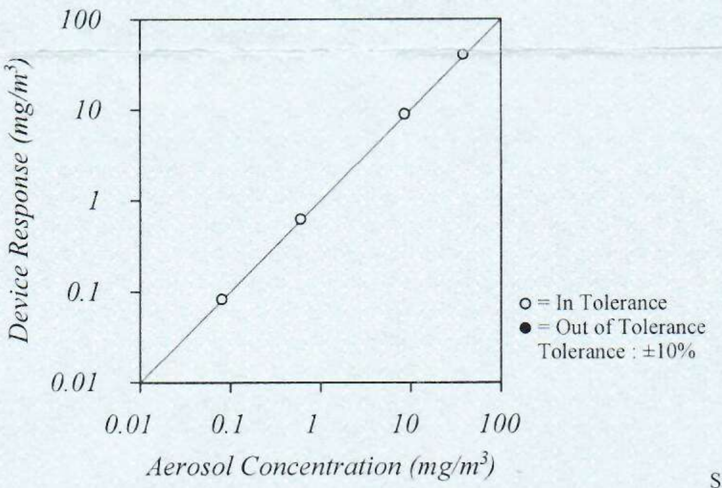
27839

| Environment Conditions | | |
|---|---|---|
| Temperature | 73.08 (22.8) | °F (°C) |
| Relative Humidity | 34.8 | %RH |
| Barometric Pressure | 29.16 (987.5) | inHg (hPa) |

| | |
|---|---|
| **Model** | **8534** |
| **Serial Number** | **8534151102** |

☒ As Left ☒ In Tolerance
☐ As Found ☐ Out of Tolerance

**Concentration Linearity Plot**



Tolerance : ±10%

System ID: DTII01-02

**FLOW AND PRESSURE VERIFICATION** **SYSTEM DTII01-02**

| Parameter | Standard | Measured | Allowable Range | Parameter | Standard | Measured | Allowable Range |
|---|---|---|---|---|---|---|---|
| Flow lpm | 3.00 | 3.06 | 2.88 ~ 3.12 | Pressure kPa | 98.8 | 98.8 | 93.82 ~ 103.69 |
| Full Flow lpm | N/A | 5.37 | >3.80 | | | | |

*TSI Incorporated does hereby certify that all materials, components, and workmanship used in the manufacture of this equipment are in strict accordance with the applicable specifications agreed upon by TSI and the customer and with all published specifications. All performance and acceptance tests required under this contract were successfully conducted according to required specifications. There is no NIST standard for optical mass measurements. Calibration of this instrument performed by TSI has been done using emery oil and has been nominally adjusted to respirable mass per standard ISO 12103-1, A1 test dust (Arizona dust). Our calibration ratio is greater than 1.2:1*

| Measurement Variable | System ID | Last Cal. | Cal. Due | Measurement Variable | System ID | Last Cal. | Cal. Due |
|---|---|---|---|---|---|---|---|
| DC Voltage | E010539 | 06-11-24 | 12-31-25 | Photometer | E005612 | 10-29-24 | 10-31-25 |
| Microbalance | M001324 | 01-09-23 | 01-31-25 | 1 um PSL | A840090 | n/a | n/a |
| 3 um PSL | 264877 | n/a | n/a | 10 um PSL | 272087 | n/a | n/a |
| Pressure | E003511 | 10-30-24 | 10-31-25 | Flowmeter | E002471 | 05-20-24 | 05-31-25 |
| DC Voltage | E003315 | 01-09-23 | 01-31-28 | | | | |

Tomtang

Calibrated

November 26, 2024

Date

# INSTRUMENT CALIBRATION REPORT

**Pine Environmental Services LLC**
159 Colonnade Road
Unit 3
Ottawa, Ontario K2E 7L9

## Pine Environmental Services, Inc.

**Instrument ID** 218998
**Description** TSI Dust Trak DRX Handheld
**Calibrated** 1/27/2025 10:59:38AM

---

**Manufacturer** Tsi
**Model Number** 8534
**Serial Number/ Lot Number** 8534232906
**Location** Ottawa
**Department**

**State Certified**
**Status** Pass
**Temp °C** 22.9
**Humidity %** 19

### Calibration Specifications

**Group #** 1
**Group Name** Zero Filter Check/Data Clear/Time Set
**Test Performed: Yes** **As Found Result: Pass** **As Left Result: Pass**

**Test Instruments Used During the Calibration** **(As Of Cal Entry Date)**

| Test Standard ID | Description | Manufacturer | Model Number | Serial Number / Lot Number | Last Cal Date/ Opened Date | Next Cal Date / Expiration Date |
|---|---|---|---|---|---|---|

**Notes about this calibration**

**Calibration Result** Calibration Successful
**Who Calibrated** Ken Renton

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

**Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment**
**Please call 800-301-9663 for Technical Assistance**

TSI P/N 2300157

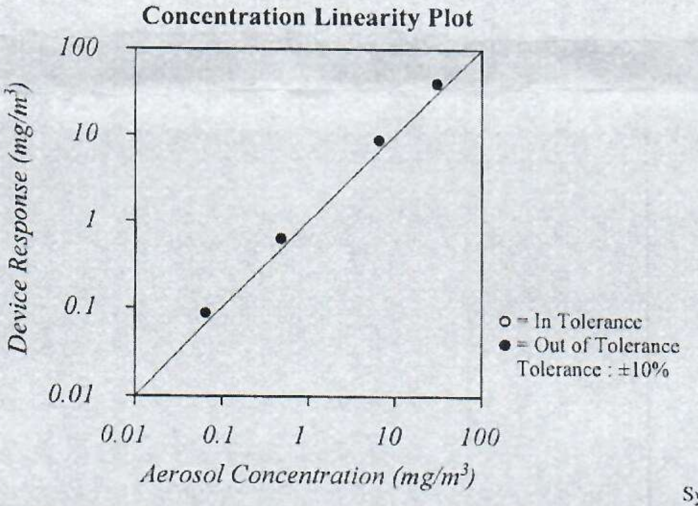
# CERTIFICATE OF CALIBRATION AND TESTING

TSI Incorporated, 500 Cardigan Road, Shoreview, MN 55126 USA
Tel: 1-800-874-2811 1-651-490-2811 Fax: 1-651-490-3824 http://www.tsi.com

| Environment Conditions | | |
|---|---|---|
| Temperature | 71.83 (22.1) | °F (°C) |
| Relative Humidity | 34.5 | %RH |
| Barometric Pressure | 28.90 (978.7) | inHg (hPa) |

| | |
|---|---|
| **Model** | **8534** |
| **Serial Number** | **8534232906** |

☐ As Left ☐ In Tolerance
☒ As Found ☒ Out of Tolerance



System ID: DTII01-02

## FLOW AND PRESSURE VERIFICATION

SYSTEM DTII01-02

| Parameter | Standard | Measured | Allowable Range |
|---|---|---|---|
| Flow lpm | 3.00 | 3.01 | 2.85 ~ 3.15 |
| Full Flow lpm | N/A | 5.51 | >3.80 |

| Parameter | Standard | Measured | Allowable Range |
|---|---|---|---|
| Pressure kPa | 97.9 | 97.6 | 92.97 ~ 102.76 |
| | | | |

Pump run time: 1265 Hours, Pump voltage: 562 Bits

*TSI Incorporated does hereby certify that all materials, components, and workmanship used in the manufacture of this equipment are in strict accordance with the applicable specifications agreed upon by TSI and the customer and with all published specifications. All performance and acceptance tests required under this contract were successfully conducted according to required specifications. There is no NIST standard for optical mass measurements. Calibration of this instrument performed by TSI has been done using emery oil and has been nominally adjusted to respirable mass per standard ISO 12103-1, A1 test dust (Arizona dust). Our calibration ratio is greater than 1.2:1*

| Measurement Variable | System ID | Last Cal. | Cal. Due |
|---|---|---|---|
| DC Voltage | E010539 | 06-11-24 | 12-31-25 |
| Microbalance | M001324 | 01-09-23 | 01-31-25 |
| 3 um PSL | 264877 | n/a | n/a |
| Pressure | E003511 | 10-25-23 | 10-31-24 |
| DC Voltage | E003315 | 01-09-23 | 01-31-28 |

| Measurement Variable | System ID | Last Cal. | Cal. Due |
|---|---|---|---|
| Photometer | E003319 | 05-15-24 | 12-31-24 |
| 1 um PSL | A840090 | n/a | n/a |
| 10 um PSL | 272087 | n/a | n/a |
| Flowmeter | E002471 | 05-20-24 | 05-31-25 |

Kevin Yang
Verified

October 24, 2024
Date

TSI P/N 2300157

# CERTIFICATE OF CALIBRATION AND TESTING

**TSI Incorporated, 500 Cardigan Road, Shoreview, MN 55126 USA**
**Tel: 1-800-874-2811 1-651-490-2811 Fax: 1-651-490-3824 http://www.tsi.com**

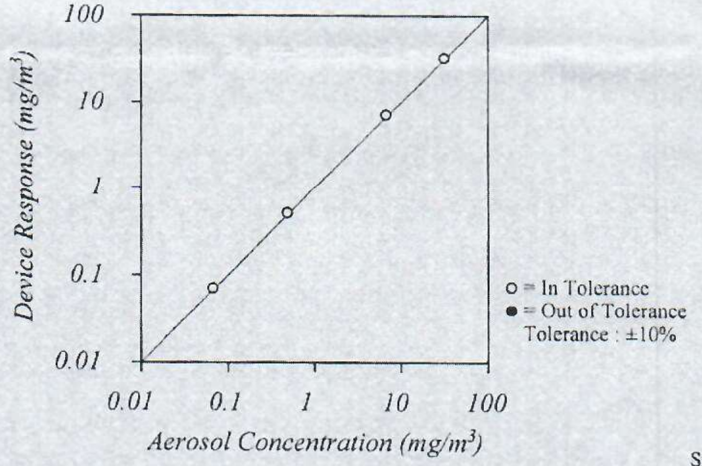
| Environment Conditions | | |
|---|---|---|
| Temperature | 72.80 (22.7) | °F (°C) |
| Relative Humidity | 32.5 | %RH |
| Barometric Pressure | 29.23 (989.8) | inHg (hPa) |

| | |
|---|---|
| **Model** | **8534** |
| **Serial Number** | **8534232906** |

☒ As Left
☐ As Found

☒ In Tolerance
☐ Out of Tolerance

**Concentration Linearity Plot**



System ID: DTII01-02

**FLOW AND PRESSURE VERIFICATION** **SYSTEM DTII01-02**

| Parameter | Standard | Measured | Allowable Range | Parameter | Standard | Measured | Allowable Range |
|---|---|---|---|---|---|---|---|
| Flow lpm | 3.00 | 3.09 | 2.88 ~ 3.12 | Pressure kPa | 99.0 | 99.0 | 94.04 ~ 103.94 |
| Full Flow lpm | N/A | 5.51 | >3.80 | | | | |

*TSI Incorporated does hereby certify that all materials, components, and workmanship used in the manufacture of this equipment are in strict accordance with the applicable specifications agreed upon by TSI and the customer and with all published specifications. All performance and acceptance tests required under this contract were successfully conducted according to required specifications. There is no NIST standard for optical mass measurements. Calibration of this instrument performed by TSI has been done using emery oil and has been nominally adjusted to respirable mass per standard ISO 12103-1, A1 test dust (Arizona dust). Our calibration ratio is greater than 1.2:1*

| Measurement Variable | System ID | Last Cal. | Cal. Due |
|---|---|---|---|
| DC Voltage | E010539 | 06-11-24 | 12-31-25 |
| Microbalance | M001324 | 01-09-23 | 01-31-25 |
| 3 um PSL | 264877 | n/a | n/a |
| Pressure | E003511 | 10-25-23 | 10-31-24 |
| DC Voltage | E003315 | 01-09-23 | 01-31-28 |

| Measurement Variable | System ID | Last Cal. | Cal. Due |
|---|---|---|---|
| Photometer | E003319 | 05-15-24 | 12-31-24 |
| 1 um PSL | A840090 | n/a | n/a |
| 10 um PSL | 272087 | n/a | n/a |
| Flowmeter | E002471 | 05-20-24 | 05-31-25 |

Calibrated

October 25, 2024

Date

# Appendix E

# 2025 Noise and Vibration Management and Monitoring Plan – Annual Report

# Lynn Lake Gold Project: 2025 Noise and Vibration Management and Monitoring Plan – Annual Report

Final

March 12, 2026

Prepared for:
Alamos Gold Inc.

Prepared by:
Stantec Consulting Ltd.

Project/File:
123515740.301.101

# Executive Summary

This 2025 Noise and Vibration Management and Monitoring Plan – Annual Report was prepared to summarize the noise and vibration data collected at the Lynn Lake Gold Project (the Project) in fulfillment of Condition 17 (Licence No. 3390 and 3391) (The Government of Manitoba 2023) and Condition 2.5 (Federal Decision Statement).

Alamos Gold Inc. (Alamos) commenced construction of the Project in February 2025. The Project - located near the Town of Lynn Lake in northwestern Manitoba - includes open pit mining at two previous mine sites: the MacLellan site, located approximately 7 kilometres (km) northeast of Lynn Lake, and the Gordon site, located approximately 38 km east of Lynn Lake. In the 2025 reporting year, no construction activities took place at the Gordon site. Construction activities commenced only at the MacLellan site and were limited because of forest fires and associated evacuations. Specifically, construction activities took place between February 17, 2025, and May 27, 2025, and again between November 20, 2025 and December 31, 2025. The activities included demolition of historic infrastructure, site clearing, earthworks and limited blasting activities associated with non-acid-generating material for construction aggregate purposes.

Condition 17 (Licence No. 3390 and 3391) and Condition 2.5 (Federal Decision Statement) required the development and implementation of Management and Monitoring Plans prior to construction. This annual compliance report relates to the Noise and Vibration Management and Monitoring Plan (Version 0, January 2025) (Alamos 2025) (the Plan) and data collected and analyzed between January 1, 2025, and December 31, 2025, in relation to noise and vibration in accordance with the Plan (Alamos 2025).

On this basis, Alamos collected sound level, ground vibration, overpressure, and underwater noise measurements during construction activities. The measurement results were then compared with the applicable thresholds for adaptive management considerations. These thresholds are applicable at residential receptors and traditional land use receptors with overnight occupancy outside the Project Development Area. The nearest residential receptor is the Town of Lynn Lake, and the nearest traditional land use receptor is ID 86 (located approximately 3 km from the MacLellan site).

Noise monitoring was conducted at multiple locations associated with construction activities. Based on monitoring results and distance from construction activities, estimated noise levels at receptors were below the applicable threshold of 47 dBA and were lower than predictions presented in the Noise and Vibration Assessment Update (Stantec 2024). Noise measurements collected during periods without construction activity represented baseline sound conditions, which were higher than the applicable thresholds of 47 dBA at two locations (i.e., Area A [core farm and temporary construction laydown area along the MacLellan site access road] and within the Town of Lynn Lake).

Ground vibration and overpressure monitoring was conducted at locations east of the Keewatin River during the starter pit blast activities (aggregate production). Based on monitoring results and the distance from blasting activities, estimated vibration and overpressure levels at the nearest residential and traditional land use receptors were expected to remain well below applicable criteria.

Underwater noise measurements along the east bank of Keewatin River were also conducted during starter pit blast activities (aggregate production; 486 m to 496 m away). The underwater noise measurements were representative of the sound overpressure at finfish and egg laying locations in the vicinity of blasting, and measured levels were below the applicable guidelines.

There were no noise and vibration actions/responses required during 2025 (throughout the active construction period) at the MacLellan site because noise and vibration effects at the closet residential receptor (i.e., Town of Lynn Lake) and traditional land use receptor (ID 86) were below the thresholds to trigger the adaptive management framework. Similarly, underwater sound overpressure measured along the east bank of Keewatin River was below the guidance threshold that would trigger adaptive management.

# Table of Contents

## List of Tables

## List of Appendices

# 1 Introduction

Alamos Gold Inc. (Alamos) commenced construction of the Lynn Lake Gold Project (the Project) in February 2025. The Project - located near the Town of Lynn Lake in northwestern Manitoba - includes open pit mining at two previous mine sites: the MacLellan site, located approximately 7 kilometres (km) northeast of Lynn Lake, and the Gordon site, located approximately 38 km east of Lynn Lake (Map 1, Appendix A).

The Project received a positive Decision Statement from the Impact Assessment Agency of Canada (IAAC) under section 54 of the Canadian Environmental Assessment Act, 2012 on March 5, 2023, which was amended August 6, 2025. The Project also received separate licences under *The Environment Act* for the “MacLellan Gold Mine” (Licence No. 3391) and the “Gordon Gold Mine” (Licence No. 3390) from the Government of Manitoba on March 6, 2023.

Condition 17 (Licence No. 3390 and 3391) and Condition 2.5 (Federal Decision Statement) required the development and implementation of Management and Monitoring Plans prior to construction. A total of 21 plans were developed and shared to the Province of Manitoba and the Impact Assessment Agency of Canada in January 2025. Each Management and Monitoring Plan developed specifies reporting requirements appropriate to that discipline.

This annual compliance report relates to the Noise and Vibration Management and Monitoring Plan (Version 0, January 2025) and data collected and analyzed between January 1, 2025, and December 31, 2025 in relation to noise and vibration in accordance with the Noise and Vibration Management and Monitoring Plan (‘the Plan’; Alamos 2025).

In the 2025 reporting year, no construction activities took place at the Gordon site and therefore no air quality monitoring was conducted in relation to the Gordon site.

Construction activities commenced only at the MacLellan site and were limited because of forest fires and associated evacuations. Specifically, construction activities took place between February 17, 2025 and May 27, 2025 and again between November 20, 2025 and December 31, 2025. The activities included demolition of historic infrastructure, site clearing, earthworks and limited blasting activities associated with non-acid-generating material for construction aggregate purposes. On this basis, noise and vibration monitoring data was collected between February 18, 2025, and May 28, 2025, and between October 9, 2025 and December 19, 2025.

## 1.1 Purpose

The Project is authorized, subject to the conditions of the Licence No. 3391 and 3390 and the Federal Decision Statement, which includes requirements to limit the effects of noise and vibration on sensitive receptors. The Noise and Vibration Management and Monitoring Plan (Alamos 2025) requires that a noise and vibration report from the monitoring program must be submitted annually no later than March 31 following each reporting year, to regulatory authorities and shared with interested

Indigenous Nations and stakeholders. This 2025 annual noise and vibration compliance report has been prepared to fulfill the requirements of Condition 17 (Licence No. 3390 and 3391) and Condition 2.5 (Federal Decision Statement) and the requirements of the Plan (Alamos 2025).

## 1.2 Regulatory Context

As outlined in Section 1.4 of the Plan (Alamos 2025), construction noise activities with duration less than 12 months must not exceed the Health Canada Mitigated Noise Level (MNL) of 47 dBA (Ldn).
This threshold is applicable to residential receptors and traditional land use receptors located outside the Project Development Area. The closest residential receptor is located in the Town of Lynn Lake, approximately 7 km from the MacLellan site. The nearest traditional land use receptor (ID 86) is located more than 3 km from the MacLellan site.

With respect to vibration effects, the Plan (Alamos 2025) establishes a ground vibration threshold of 10 mm/s (peak particle velocity) and an air overpressure threshold of 120 dBL for the residential receptors and traditional land use with overnight occupancy located outside the Project Development Area. In the absence of Manitoba regulatory criteria for blast vibration, the Ontario Ministry of Environment, Conservation, and Parks guidance values of 10 mm/s and 120 dBL are applied as precautionary thresholds for receptors outside the Project Development Area.

# 2 Monitoring Methods

## 2.1 Noise Monitoring

Noise monitoring methods are summarized in Section 4.1 of the Plan (Alamos 2025). Two Sigicom INFRA C50 (C50) sound level meters were used for the noise monitoring between February to May 2025.
The C50 integrating sound level meters have passed all technical and equipment-related requirements for Class 1 (documentations available upon request). However, the only remaining step is pending the final approval expected end of April 2026.

Two Larson Davis (LD) 831c sound level meters were used for noise monitoring between in October and November 2025.The LD 831c Class 1 integrating sound level meters are in compliance with the American National Standards Institute (ANSI) S1.11:2014 and International Electrotechnical Commission 61260:2014 standards for Class 1 measurement precision. All sound level meters used in the monitoring was laboratory calibrated within the last 24 months.

A LD CAL200 portable field calibrator was used to calibrate the sound level meters immediately before and after each measurement series and after any change in equipment conditions (e.g., cable or battery replacement). The calibrator was laboratory calibrated within the last 12 months. This calibrator conforms to ANSI S1.40:2006 and International Electrotechnical Commission 60942:2017 Class 1 standards with an estimated uncertainty for sound pressure level of ±0.12 dB at a 99% confidence level. Discrepancy in calibration level did not exceed ±0.5 dB during the measurement period.

Photographs of the Sigicom C50 and LD 831c setup are shown in Photo 2.1 to Photo 2.5.

*Photo 2.1 Noise Monitoring Setup – February 23, 2025*

*Photo 2.2 Noise Monitoring Setup - March 23, 2025*

*Photo 2.3 Noise Monitoring Setup - April 21, 2025*

*Photo 2.4 Noise Monitoring Setup – May 17 to 18, 2025*

*Photo 2.5 Noise Monitoring Setup – October, 2025*

## 2.2 Vibration Monitoring

Section 4.2 of the Plan (Alamos 2025) outlines vibration monitoring methods.

Two Instantel Minimate Pro 4™ monitoring units (Minimate Pro 4) were used to measured ground vibration, air overpressure, and underwater noise from May to December 2025. The Minimate Pro 4 uses triaxial geophone, microphone, and hydrophone to measure the ground vibration, air overpressure, and underwater sound level, respectively. Photographs of the ground vibration and air overpressure setup is shown in Photo 2.6. A photograph of the underwater noise test run setup is shown in Photo 2.7.

*Photo 2.6 Ground Vibration and Air Overpressure Monitoring Setup – May 15*

*Photo 2.7 Underwater Noise Test Run Setup – November, 2025*

# 3 Monitoring Results

## 3.1 Gordon Site

### 3.1.1 Noise Monitoring

No noise monitoring was conducted in the 2025 reporting year because no construction activities took place at the Gordon site.

### 3.1.2 Vibration Monitoring

No vibration monitoring was conducted in the 2025 reporting year because no construction activities took place at the Gordon site.

## 3.2 MacLellan Site

### 3.2.1 Noise Monitoring

Table 3.1 summarizes the noise monitoring (measured $L_{dn}$ results) conducted in 2025. The measurement locations – between 180 m and 4000 m from the construction activity - are shown on Map 2 in Appendix A; represented by the corresponding identification (i.e., ID#). Time history that shows the measured sound level versus time for different periods are presented in Figure B.1 to Figure B.8, Appendix B. Blue shaded areas in the figures represent the nighttime period from 10 PM to 7 AM.

The measured $L_{dn}$ at Area A was 44.1 dBA, approximately 4 km from the construction activities. The $L_{dn}$ estimated at ID 86 based on the ratio of construction activities to receptor distance in the sound propagation formula as follows:

$$L_{dn}\text{ (ID86)} = L_{dn}\text{ (Area A)} + 10 \text{ x LOG(Distance to ID86/Distance to Area A)}$$

$$L_{dn}\text{ (ID86)} = 44.1 \text{ dBA} - 20\text{LOG}(3251 \text{ m}/ 4000 \text{ m}) = 45.9 \text{ dBA}$$

The estimated $L_{dn}$ at ID86 was 45.9 dBA, which was also below the Health Canada MNL threshold of 47 dBA. However, the long distance between the construction activities and this monitoring location result in a low signal and noise ratio, in which the background noise level might be higher than the noise effect from the construction activities. Accordingly, the estimated $L_{dn}$ of 45.9 dBA may not represent the actual noise effect from the construction activities more than 4 km away.

Accordingly, measured $L_{dn}$ levels directly at the MacLellan site (within 200 m of construction activity) was conducted to provide better “signal to noise” ratio results. The results provided better information to correlate the estimated sound level at further distance away by the sound propagation equation.
The equation predicts noise level at further distance from the activities, based on measurement results at a closer distance.

The effects of air absorption, ground absorption, and terrain are not included in the equation. If these factors are included, the predicted noise level at a further distance is likely to be even lower. Using the MacLellan site results, the $L_{dn}$ estimated at ID 86 based on the sound propagation equation was 33 dBA during the 2025 construction activities, which is below the threshold of 47 dBA. The estimated $L_{dn}$ for residential receptor at the Town of Lynn Lake is expected to be less than this estimate at ID 86, due to there being a further distance from the noise source (i.e., the MacLellan construction activities). It is noted that Noise and Vibration Assessment Update results (Stantec 2024) predicted a $L_{dn}$ of 41.5 dBA at receptor ID 86 during the “worst-case” construction periods. The estimated result of 33 dBA is below this prediction result.

There were no construction activities during the October and November 2025 noise measurements. The measurement results presented in Table 3.1 for these dates are therefore considered representative of the baseline sound level at the measurement locations. At Area A, the $L_{dn}$ results range from 48.5 dBA to 53.7 dBA. The measured $L_{dn}$ at the Town of Lynn Lake is 48 dBA. The results at Area A and the Town of Lynn Lake indicate that baseline sound levels are higher than the Health Canada MNL threshold of 47 dBA. At the MacLellan site, the $L_{dn}$ of 45 dBA represents the value for a rural environment, which was below the MNL of 47 dBA.

Noise measurements were conducted at different locations (i.e., between 180 m to 4000 m) from the construction activities. Measurement results at locations more than 1 km are unlikely to represent the noise effect from the construction activities due to low “signal and noise” ratio, in which the background noise level might be higher than the noise effect from the construction activities. Measured results directly from the MacLellan site approximately 200 m from the construction activity provided better “signal to noise” ratio measurement results. The estimated results at the closest Indigenous receptor to the MacLellan site (ID 86), based on the measured result and sound propagation equation, was 33 dBA, which was below the threshold of 47 dBA. The estimated Ldn for residential receptors within the Town of Lynn Lake were expected to be less than the estimated results at ID 86, due to further distance from the noise source. These results are lower in comparison with the Noise and Vibration Assessment Update (Stantec 2024) prediction results.

There were no construction activities during October and November 2025. The noise measurement results during this period are considered representative of the baseline sound level at the measurement locations. The results at Area A and the Lynn Lake townsite indicate that baseline sound levels are higher than the Health Canada MNL threshold of 47 dBA.

## 3.3 Vibration

### 3.3.1 Ground Vibration and Air Overpressure

Ground vibration and overpressure measurements were conducted at east of the Keewatin River, approximately 263 m to 303 m away from the blast activities. Different blast charges were used for the blast activities. Measurement results are presented in Table 3.2 and indicate ground vibration below the 10 mm/s threshold at a distance of 303 m or less from the blast activities. Ground vibration at receptor

ID 86 and the Town of Lynn Lake (3 km and 7 km, respectively from the blast activities) are therefore expected to be well below the threshold.

The highest overpressure result of 133.8 dBL was based on a blast charge of 161 kg (355 lb), which was measured at a distance of 285 m (935 ft) from the blast activities. Using the blast overpressure propagation equation for a metal mine as follows:

$$\text{Overpressure} = 20 \times \text{LOG}\ [0.401\ \{(D/W)^{1/3}\}^{-0.71} / \{29 \times 10^{-10}\}]$$

$$\text{Overpressure} = 20 \times \text{LOG}\ [0.401\ \{(935/355)^{1/3}\}^{-0.71} / \{29 \times 10^{-10}\}] = 133.8\ \text{dBL}$$

where D = distance (feet) and W = blast charge per delay (lb)

The predicted overpressure at a receptor 285 m away from blasting is 133 dBL. This calculated result is comparable with the measured value of 133.8 dBL. On this basis, the same blast overpressure propagation equation can be used to estimate the overpressure at receptor ID 86 at 3 km away from the blast activities. The estimated overpressure at receptor ID 86 is 118 dBL, which is below the 120 dBL threshold. Overpressure at the Town of Lynn Lake was expected to be less than 118 dBL due to further distance, and below the 120 dBL threshold.

## 3.4 Underwater Noise

Underwater noise measurements along the east bank of Keewatin River were conducted during blast activities on May 21, 22, and 26, 2025 at 486 m to 496 m away from the construction activities. The blast charge per delay ranged from 161 to 319 kg. Underwater noise measurements were not conducted during the blasting activities in December 2025 on account of frozen conditions.

The measurement results are presented in Table 3.3 and were used to evaluate the sound overpressure experienced by finfish and incubating eggs, which can be damaged by overpressure or vibration caused by detonations. Peak sound overpressure during detonation was measured to be between 0.20 and 2.05 kPa. These values are below the guidance thresholds for peak overpressure of 100 kPa (Wright and Hopky, 1998) and 50 kPa (Cott and Hanna, 2005). Prior to construction, the peak sound overpressure in the Keewatin River from a 115 kg charge weight blast at 110 meters was estimated to be 32 kPa (Stantec 2023). As anticipated due to the greater distance to blasting, the measurement results were well below this estimated value.

The highest underwater peak sound overpressure measured during the blasting was 2.05 kPa, which was well below the relevant guidance threshold.

*Table 3.1 Noise Monitoring Location and Duration*

| ID | Date | Duration (hr/min) | Monitoring Location | UTM | | Construction Activities | Distance to Activities (m) | Daytime Leq 1 (dBA) | Nighttime Leq 1 (dBA) | Ldn 2 (dBA) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Easting | Northing | | | | | |
| N1 | February 23 | 3 hr | Area A | 378611 | 6305634 | Clearing, mulching, burning | 3000 | 38.8 | -- | -- |
| N2 | February 23 | 15 min | Area X | 380866 | 6308356 | Clearing, mulching, burning | 1000 | 42.8 | -- | -- |
| N1 | March 23 | 8 hr 47 min | Area A | 378611 | 6305634 | Clearing | 4000 | 35.7 | -- | -- |
| N1 | April 18-19 | 27 hr | Area A | 378611 | 6305634 | Clearing and earthworks | 4000 | 39.4 | 37.3 | 44.1 |
| N3 | April 21 | 15 min | 306 Laydown | 380570 | 6307512 | Clearing and earthworks | 180 & 450 | 46.2 | -- | -- |
| N4 | May 17-18 | 24 hr | MacLellan Site | 380646 | 6307844 | Earthworks | 200 | 51.2 | 50.5 | 57.0 |
| N1 | October 26 | 24 hr | Area A | 378615 | 6305627 | None | 3330 | 46.8 | 47.4 | 53.7 |
| N5 | October 26 | 24 hr | Lynn Lake Town | 375099 | 6302623 | None | 7960 | 45.9 | 40.3 | 48.1 |
| N1 | November 25 | 24 hr | Area A | 378615 | 6305627 | None | 3330 | 48.0 | 39.3 | 48.5 |
| N6 | November 25 | 24 hr | MacLellan Site | 380893 | 6307870 | None | 200 | 44.4 | 35.1 | 44.7 |

Notes:

[1] $L_{eq}$ is based on the measurement duration during daytime or nighttime period

[2] $L_{dn}$ is calculated based on the daytime and nighttime $L_{eq}$ sound levels

*Table 3.2 Ground Vibration and Air Overpressure Monitoring Locations*

| ID | Date | Monitoring Location | UTM | | Distance to Blast | Blast Name | Blast Charge per Delay (kg) | Ground Vibration PVS 1 (mm/s) | Overpressure (dBL) |
|---|---|---|---|---|---|---|---|---|---|
| | | | Easting | Northing | | | | | |
| V1 | May 15 | East of Keewatin River | 380712 | 6307958 | 303 | 348-01 | 115 | 4.28 | 127.8 |
| V1 | May 21 | | | | 285 | 348-02 | 161 | 4.56 | 131.0 |
| V1 | May 22 | | | | 285 | 348-02b | 161 | 5.91 | 133.8 |
| V1 | May 26 | | | | 263 | 348-03B | 319 | 6.01 | 132.0 |
| V1 | Dec 9 | | | | 294 | 348-03 | 210 | 12.72 | 137.52 |

Notes:

[1] Peak Vector Sum (PVS) results based on transverse, vertical, and longitudinal results

[2] Measurement results voided because it was triggered by field staff activities

*Table 3.3 Underwater Noise Monitoring Locations*

| ID | Date | Monitoring Location | UTM | | Distance to Blast | Blast Name | Blast Charge per Delay (kg) | Underwater Noise (kPa)1 |
|---|---|---|---|---|---|---|---|---|
| | | | Easting | Northing | | | | |
| V2 | May 21 | Keewatin River East Bank | 380543 | 6308071 | 486 | 348-02 | 161 | 0.41 |
| V2 | May 22 | | | | 486 | 348-02b | 161 | 2.05 |
| V2 | May 26 | | | | 496 | 348-03B | 319 | 0.20 |

Note:

[1] Instantaneous peak sound pressure

# 4 Adaptive Management

Adaptive management thresholds summarized in Table 5.1 of the Plan (Alamos 2025) are set as the trigger for adaptive management to avoid exceedance of the applicable provincial and federal thresholds. The measurement results presented in Section 3 indicate that there were no exceedances at the potential noise and vibration sensitive receptors (i.e., ID 86, Town of Lynn Lake) in 2025. Accordingly, no adaptive management was required.

# 5 Conclusion

This annual compliance report relates to the Plan (Alamos 2025) (the Plan) and data collected and analyzed between February 18, 2025, and May 28, 2025, and again between October 9, 2025 and December 19, 2025.

Noise and vibration monitoring in 2025 included sound level, ground vibration, overpressure, and underwater noise measurements during construction activities at the MacLellan site. The measurement results were compared with the applicable thresholds for adaptive management considerations.
This report concludes that noise and vibration effects at the closet residential receptor (i.e., Town of Lynn Lake) and traditional land use receptor (ID 86; 3 km from the MacLellan site) were below the thresholds.

Alamos have not received any complaint from Stakeholders regarding noise or vibration related issues during 2025. There were no noise and vibration actions/responses required during 2025 during the active construction period at the MacLellan site because no exceedances occurred during the monitoring programs.

This document entitled "*Lynn Lake Gold Project: 2025 Noise and Vibration Management & Monitoring Plan – Annual Monitoring Report*" was prepared by Stantec Consulting Ltd. ("Stantec").

Prepared by: Chui, Jonathan
Digitally signed by Chui, Jonathan

Jonathan Chui
Acoustic Engineer
Printed Name

Prepared by:
Digitally signed by Farkas, Abigail
Date: 2026.03.12 12:05:01 -04'00'

Abigail Farkas
Acoustics, Noise & Vibration Specialist
Printed Name

Reviewed by: Zabani, Sanaz
Digitally signed by Zabani, Sanaz
Date: 2026.03.12 09:53:24 -06'00'

Sanaz Zabani
Acoustics Scientist

Reviewed by:
Digitally signed by Poling, Jacob
Date: 2026.03.12 11:23:42-05'00'

Jacob Poling
Senior Acoustician

Approved by:
Digitally signed by Karen Mathers
Date: 2026.03.12 12:40:09 -05'00'
Signature

Karen Mathers
Senior Principal
Printed Name

*Stantec Consulting Ltd. prepared this report for the account of Alamos Gold Inc. (the "Client") as per conditions 17 (Licence No. 3390 and 3391) and 2.5 (Federal Decision Statement [FDS]). In connection therewith, this document may be reviewed and used by the Province of Manitoba and IAAC participating in the review process in the normal course of its duties. Except as set forth in the previous sentence, any use which a third party makes of this report, or any reliance on or decision made based on it, are the responsibility of such third parties. The material in it reflects Stantec's professional judgment in light of the scope, schedule and other limitations stated in the document and in the contract between Stantec and the Client. Stantec Consulting Ltd. accepts no responsibility or damages, if any, suffered by any third party as a result of decisions made or actions based on this report.*

# 6 References

Alamos Gold Inc. 2025. Lynn Lake Gold Project: Noise and Vibration Management & Monitoring Plan. Version 0. January 30, 2025.

American National Standards Institute (ANSI) S1.11:2014. American National Standards Institute Octave-Band and Fractional-Octave-Band Analog and Digital Filters.

ANSI S1.40:2006. American National Standard Specifications and Verification Procedures for Sound Calibrators.

Cott, P., and B. Hanna. 2005. Monitoring explosive-based winter seismic exploration in waterbodies, NWT 2000-2002. In: Offshore oil and gas environmental effects monitoring: approaches and technologies (S.L. Armsworthy, P.J. Cranford, and K. Lee eds.). Battelle Press, Columbus, OH.

International Electrotechnical Commission 61260:2014. International Electrotechnical Commission Electroacoustics - Octave-band and fractional-octave-band filters - Part 1: Specifications

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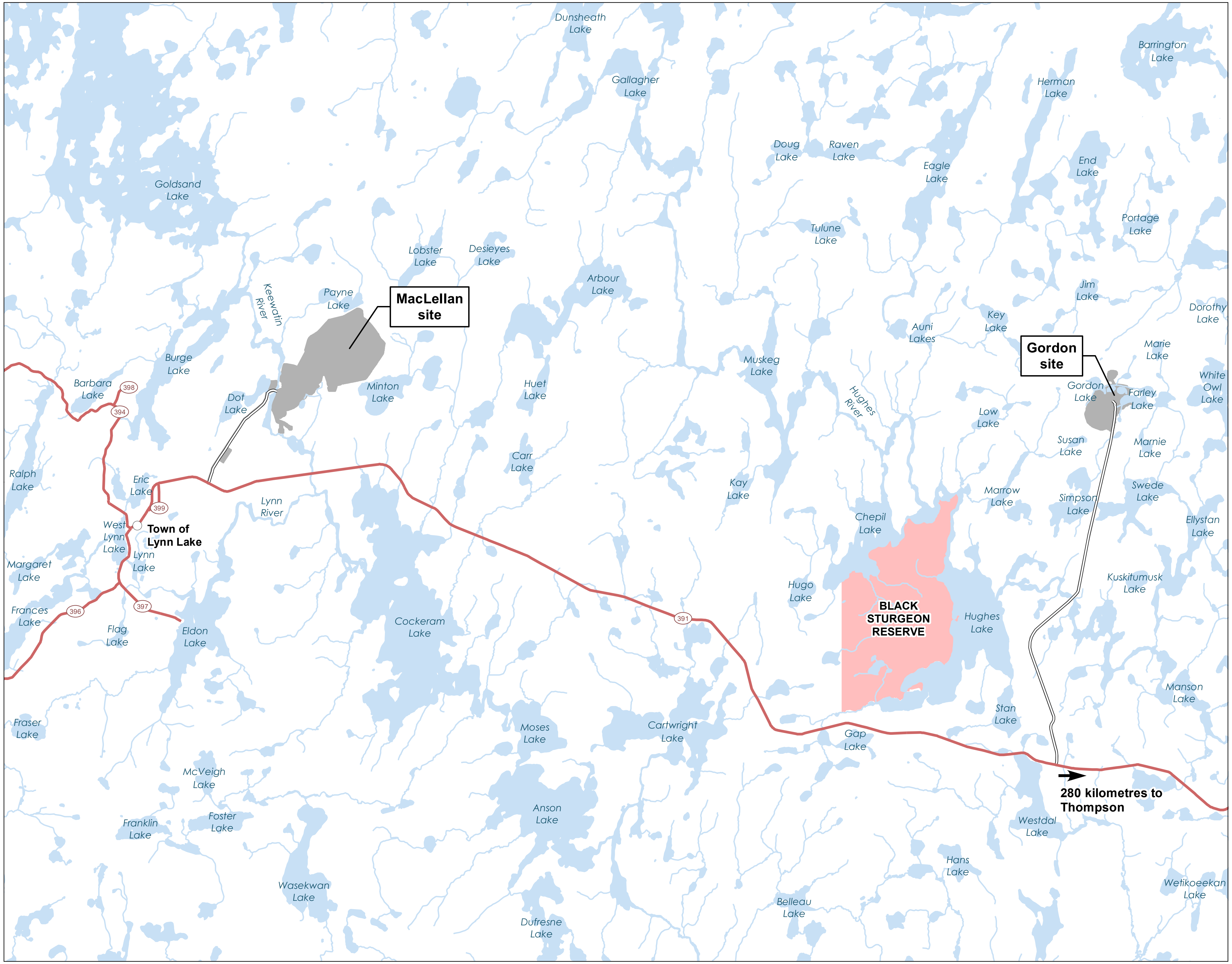
Wright and Hopky. 1998. Guidelines for the use of explosives in or near Canadian Fisheries Waters. Can. Tech. Rep. Fish. Aquat. Sci. 2107. Ottawa, ON.

# Appendices

# Appendix A Maps



**Stantec**

**Project Data**

▨ Project Development Area (PDA)

**Landbase**

═ Existing Access Road

━ Highway

─ Watercourse

🟦 Waterbody

🟥 First Nation Reserve

N

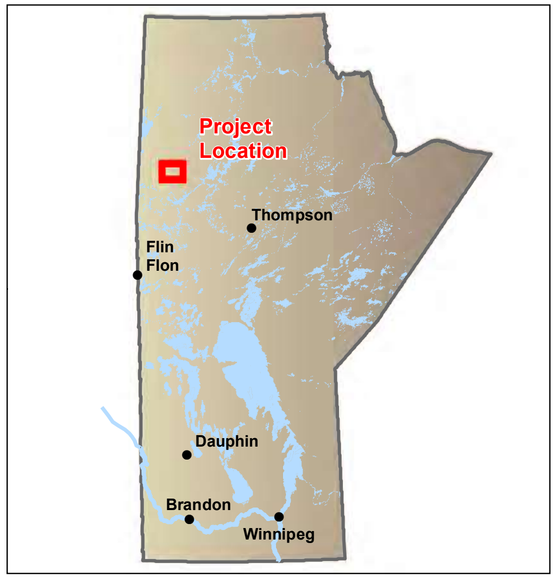
0 2.5 5 Kilometres

(At original document size of 11x17)
1:150,000

***Notes***

**1.** Coordinate System: NAD 1983 UTM Zone 14N

**2.** Base Data Sources: Government of Manitoba and Government of Canada



*Project Location*
Lynn Lake,
Manitoba

Prepared by ACampigotto on 2026-01-30
Technical Review by KMathers on 2026-01-30

*Client/Project* 123515740

ALAMOS GOLD INC.
Lynn Lake Gold Project

*Map No.*

**1**

*Title*

**General Project Area**

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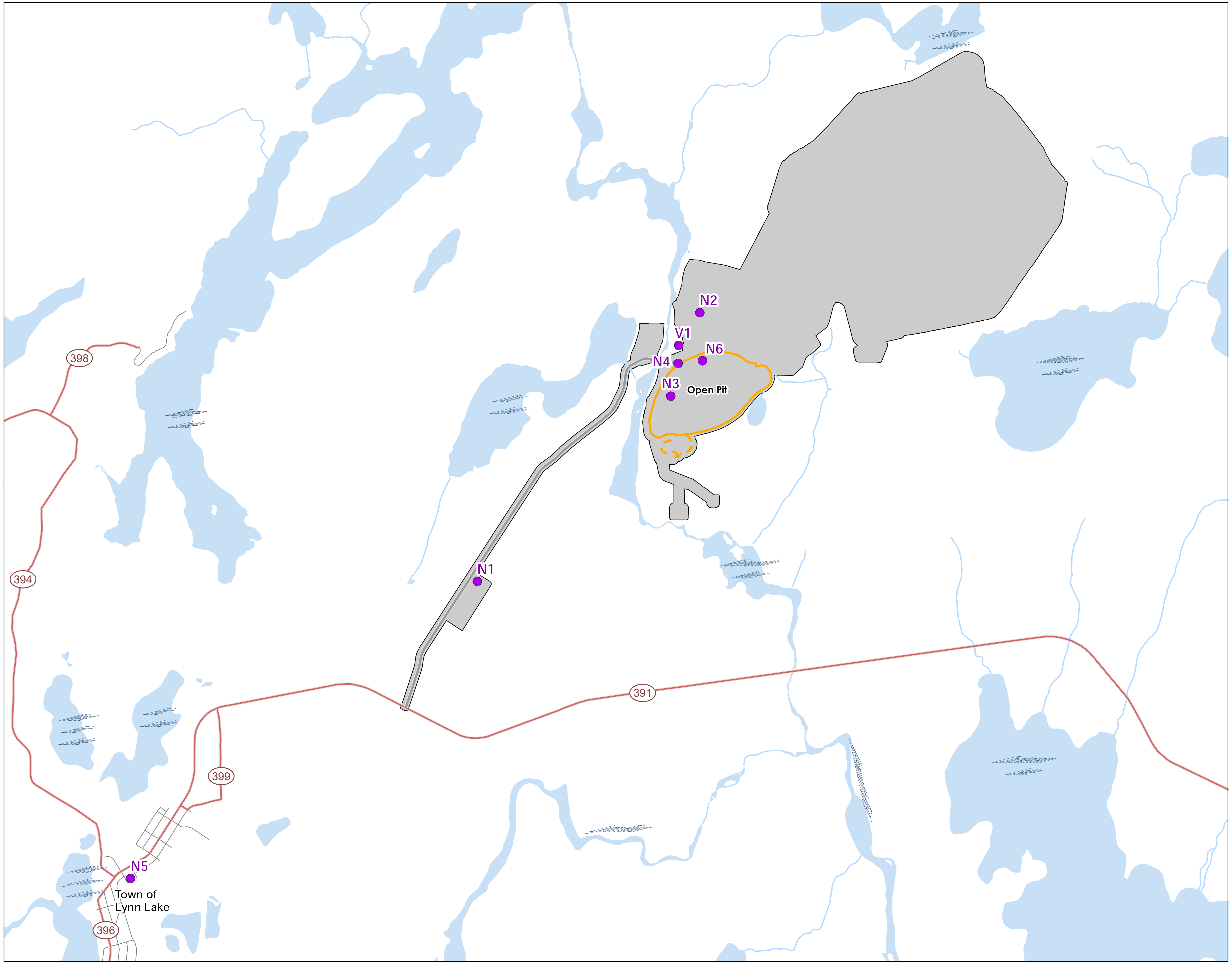


Stantec

Monitoring Locations

● Noise and Vibration Monitoring Locations

Project Infrastructure

▭ Open Pit

⬚ Satellite Pit

▨ Project Development Area (PDA)

Landbase

— Highway

— Minor Road

— Existing Access Road

— Watercourse

▨ Waterbody

N

0 0.5 1 Kilometres

(At original document size of 11x17)
1:40,000

*Notes*
1. Coordinate System: NAD 1983 UTM Zone 14N
2. Base Data Sources: Government of Manitoba and Government of Canada.
3. Project Infrastructure features provided by QPit and Ausenco.

*Project Location*
Lynn Lake,
Manitoba

Prepared by ACampigotto on 2026-02-04
Technical Review by JChui on 2026-02-04

*Client/Project* 123515740
ALAMOS GOLD INC.
Lynn Lake Gold Project

*Map No.*
2

*Title*
Noise and Vibration Monitoring Locations - MacLellan site

G:_GIS_Project_Folder\111473008_LLGP_EA\IRs\Noise\123515740_002_LLGP_Noise_and_Vibration_Monitoring_MacLellan_20260204.mxd Revised: 2026-02-04 By: ACampigotto

# Appendix B Noise and Vibration Monitoring Data

# B.1 Noise

*Figure B.1 Noise Monitoring Sound Level Time History February 23, 2025 – Area A*

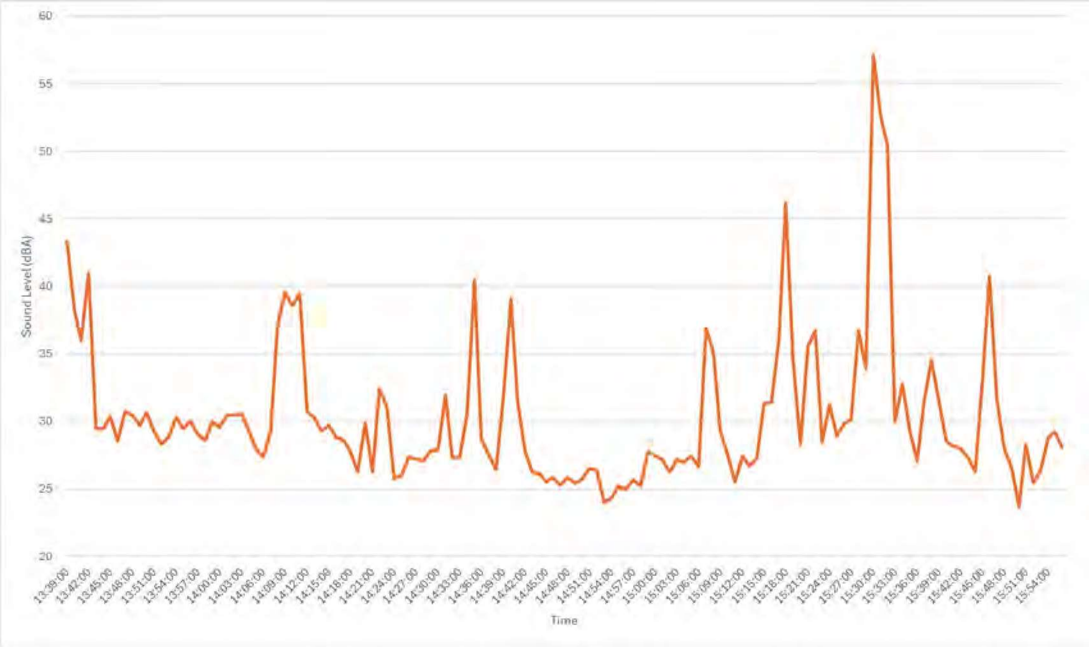


*Figure B.2 Noise Monitoring Sound Level Time History February 23, 2025 – Area X*

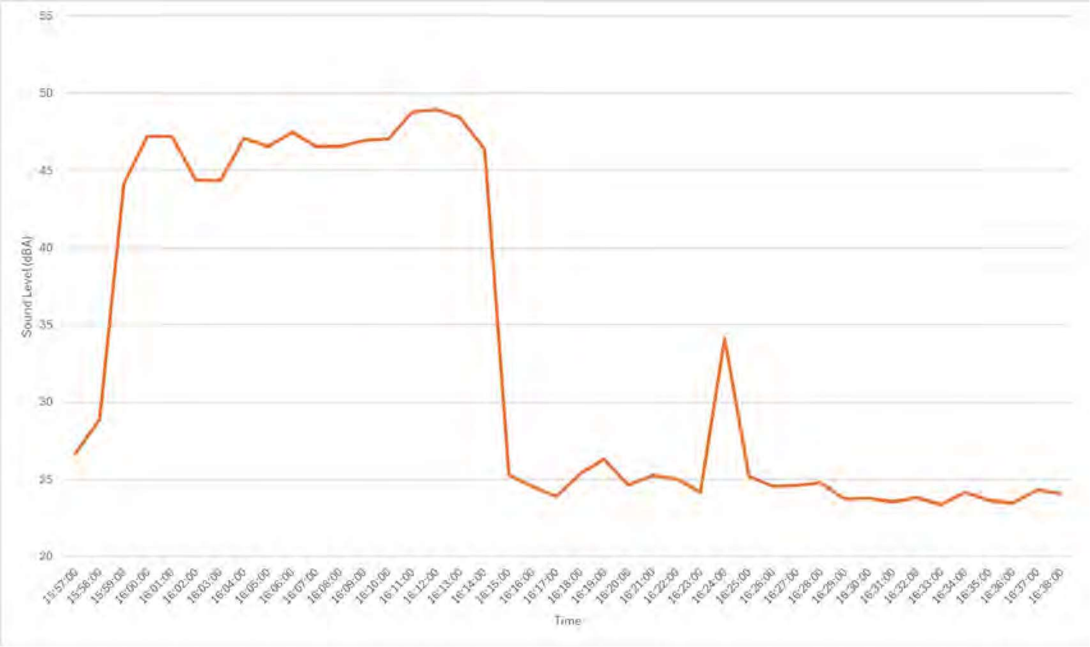


*Figure B.3 Noise Monitoring Sound Level Time History March 23, 2025 – Area A*

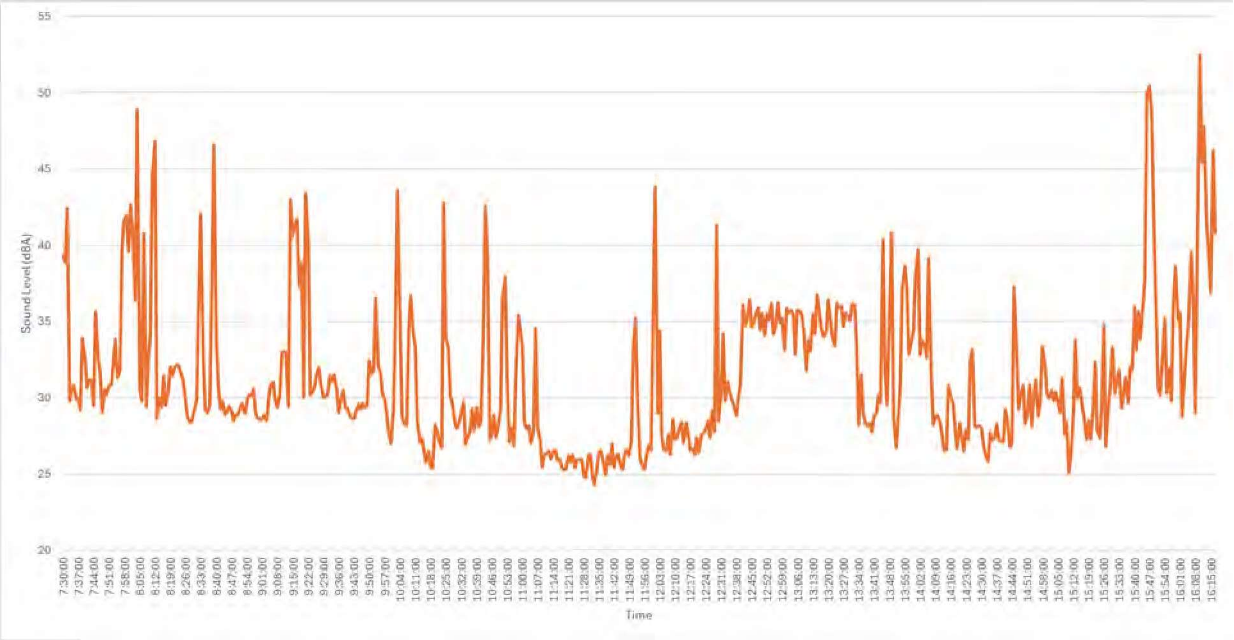


*Figure B.4 Noise Monitoring Sound Level Time History April 18 to 19, 2025 – Area A*

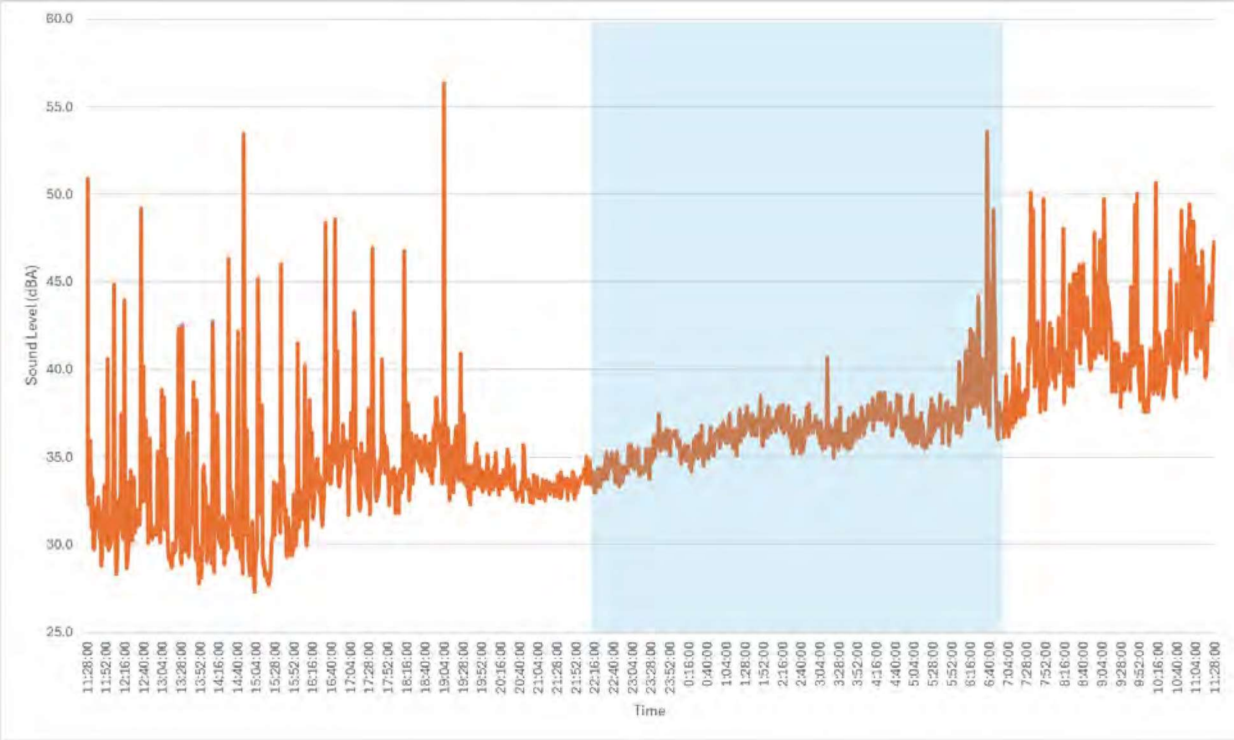


*Figure B.5 Noise Monitoring Sound Level Time History April 21, 2025 – 306 Laydown*

*Figure B.6 Noise Monitoring Sound Level Time History May 17 to 18, 2025 – MacLellan Site*

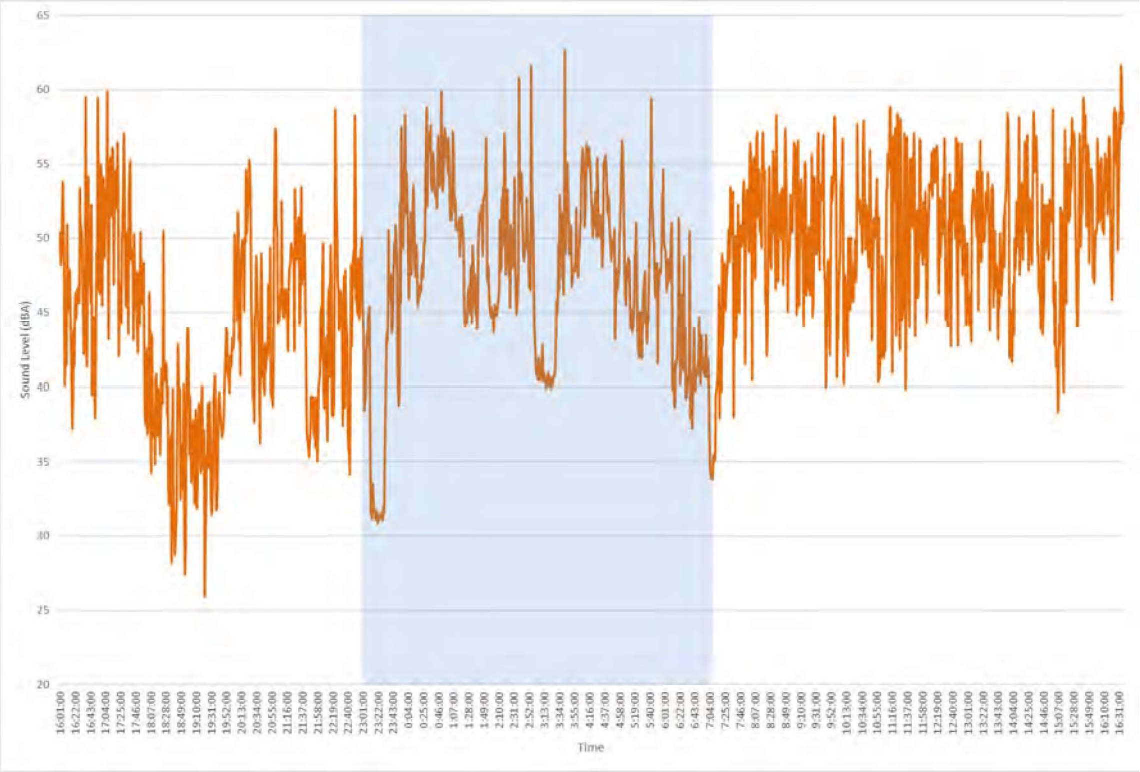


*Figure B.7 Noise Monitoring Sound Level Time History November 25, 2025 – Area A*

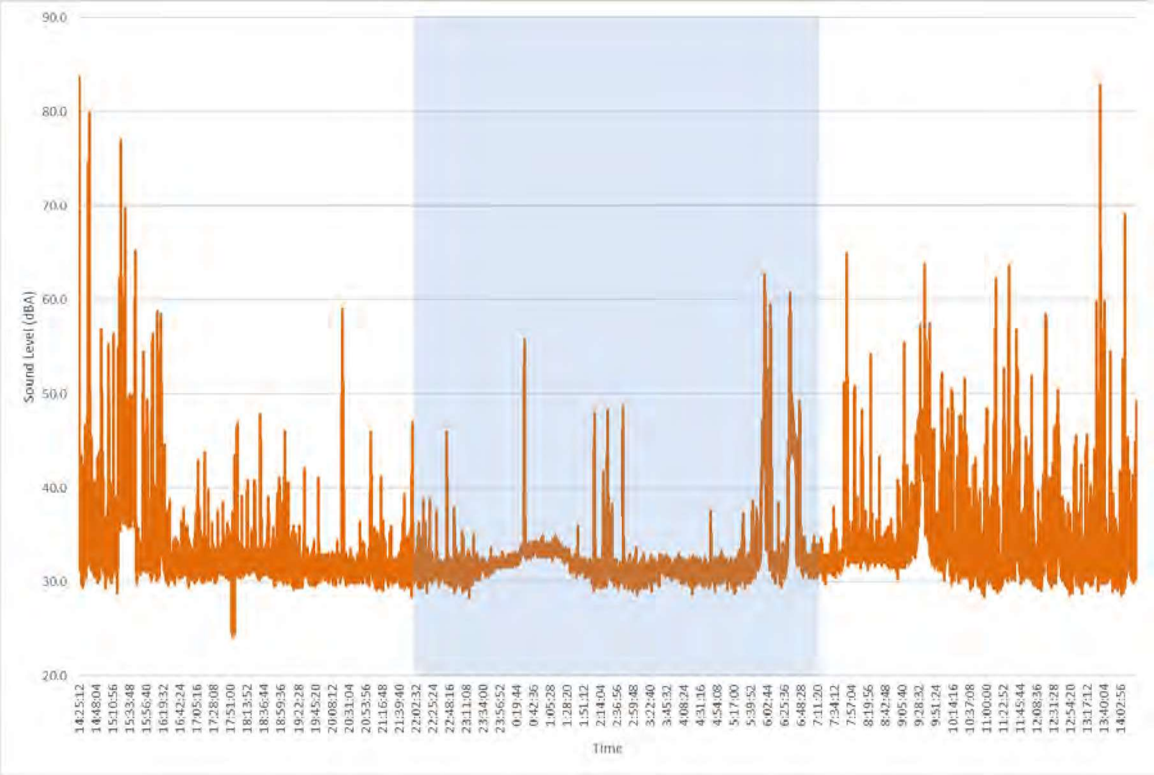
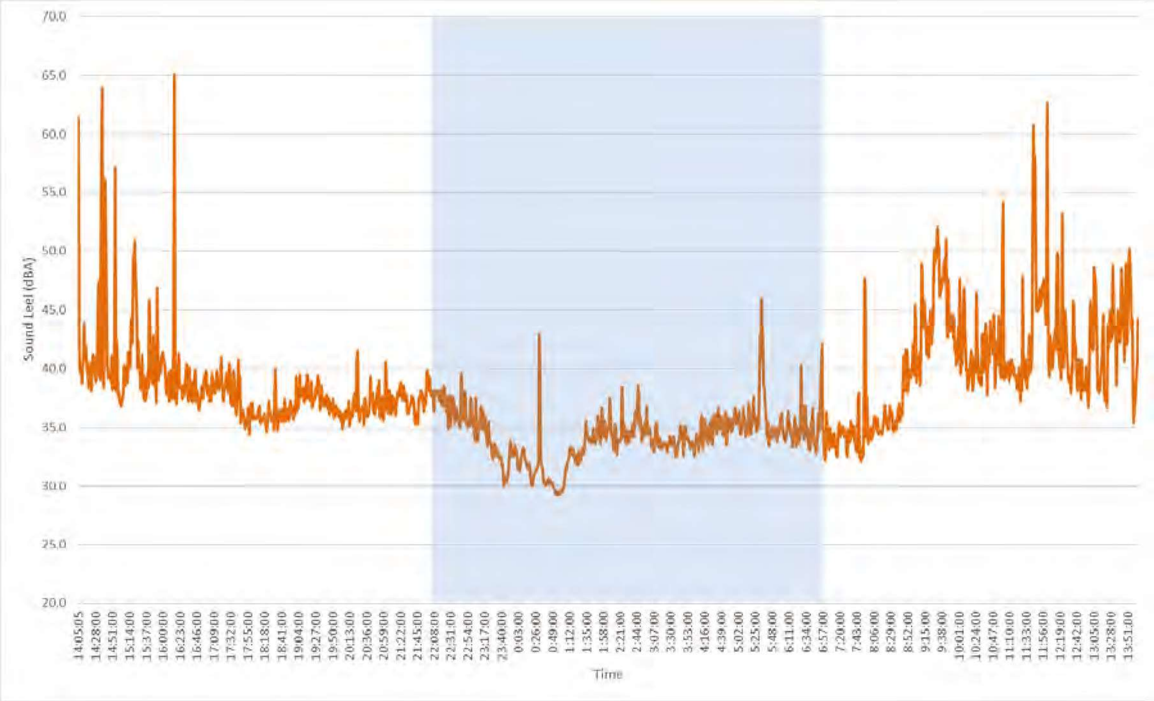


*Figure B.8 Noise Monitoring Sound Level Time History November 25, 2025 – MacLellan Site*



# B.2 Vibration

# Event Report

| | | | |
|---|---|---|---|
| **Waveform Trigger Source** | Long at May 21, 2025 08:59:38 | **Serial Number** | MP14743 |
| **Trigger Level(s)** | Geo 0.500 mm/s | **Model Number** | Minimate Pro 4 XM 10.75 |
| **Trigger Level (Mic)** | Mic 2.00 pa, 100 dB(L) | **Battery Level** | 4.1 volts |
| **Pre-Trigger/Record Time** | 0.25 sec/3.01 sec (Auto) | **Unit Calibration** | April 17, 2025 by Instantel |
| **Sample Rate** | 4096 sps | **Geophone Calibration** | SE14488, April 16, 2025 by Instantel |
| **Setup File Name** | Geo Mic.nsb | **Microphone Calibration** | SL13413, April 17, 2025 by Instantel |
| **Operator** | HH | **Event File Name** | MP14743_20250521085938.IDFW |

**Notes**

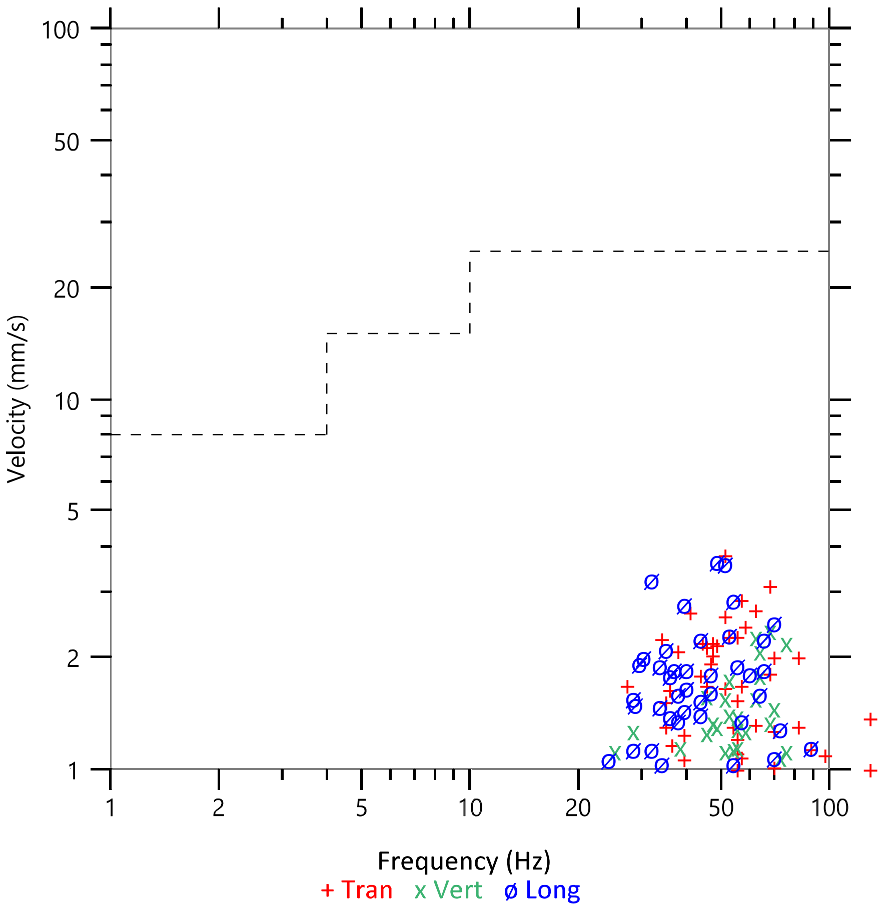
| | |
|---|---|
| Location | |
| Client | |
| Company | Alamos Gold - Lynn Lake |
| General Notes | MacLellan Mine |

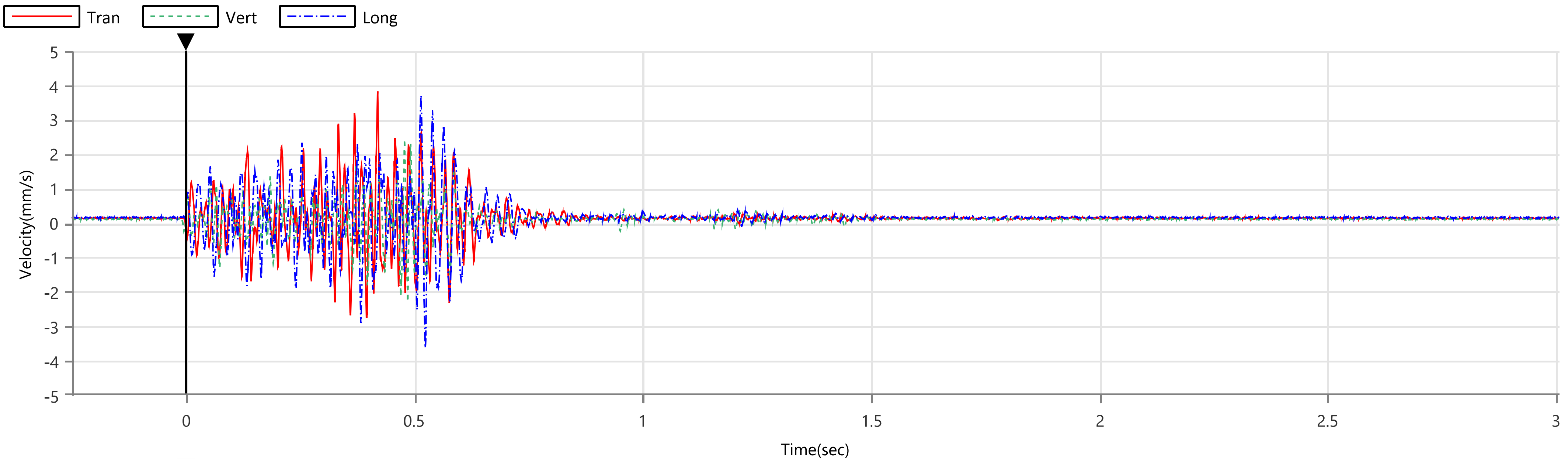
**Post Event Notes** No text to be displayed.

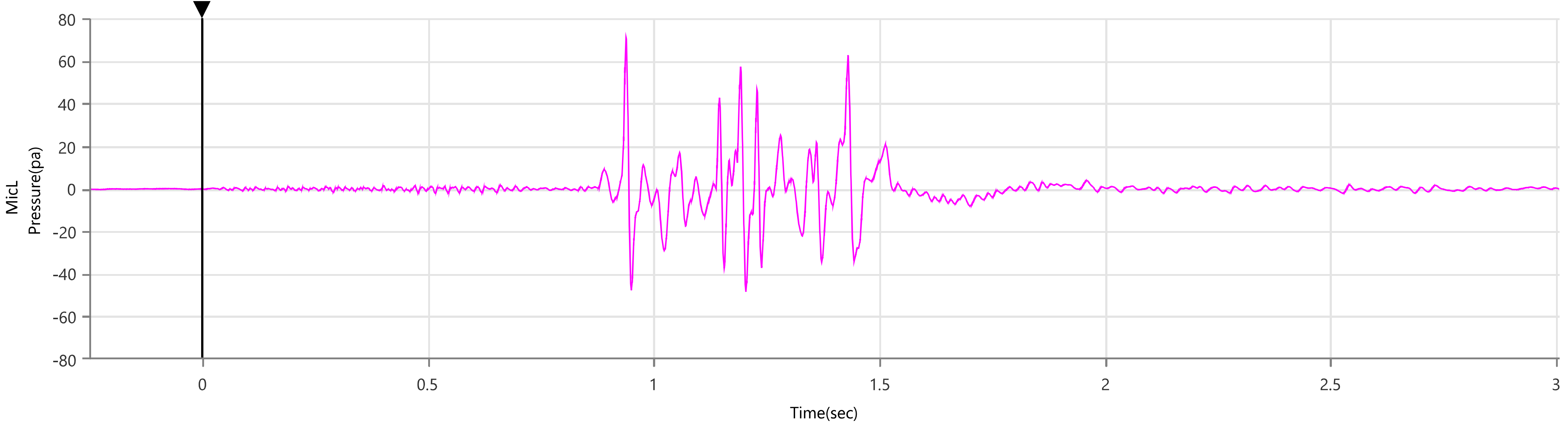
| **ISEE Triaxial Geophone** | **Tran** | **Vert** | **Long** |
|---|---|---|---|
| Peak Particle Velocity | 3.823 mm/s | 2.396 mm/s | 3.704 mm/s |
| Zero Crossing Frequency | 51.2 Hz | 68.3 Hz | 48.8 Hz |
| Time (Relative to Trigger) | 0.420 sec | 0.479 sec | 0.514 sec |
| Peak Acceleration | 0.138 g | 0.128 g | 0.148 g |
| Peak Displacement | 0.027 mm | 0.014 mm | 0.038 mm |
| Sensor Check | Disabled | Disabled | Disabled |
| Peak Vector Sum | 4.563 mm/s at 0.514 sec | | |

| **ISEE Linear Microphone** | |
|---|---|
| Peak Sound Pressure Level | 71.23 pa |
| Time (Relative to Trigger) | 0.939 sec |
| Zero Crossing Frequency | 23.0 Hz |
| Sensor Check | Disabled |

**Toronto 514-2008**
Velocity versus Frequency (Zero Crossing)







Instantel

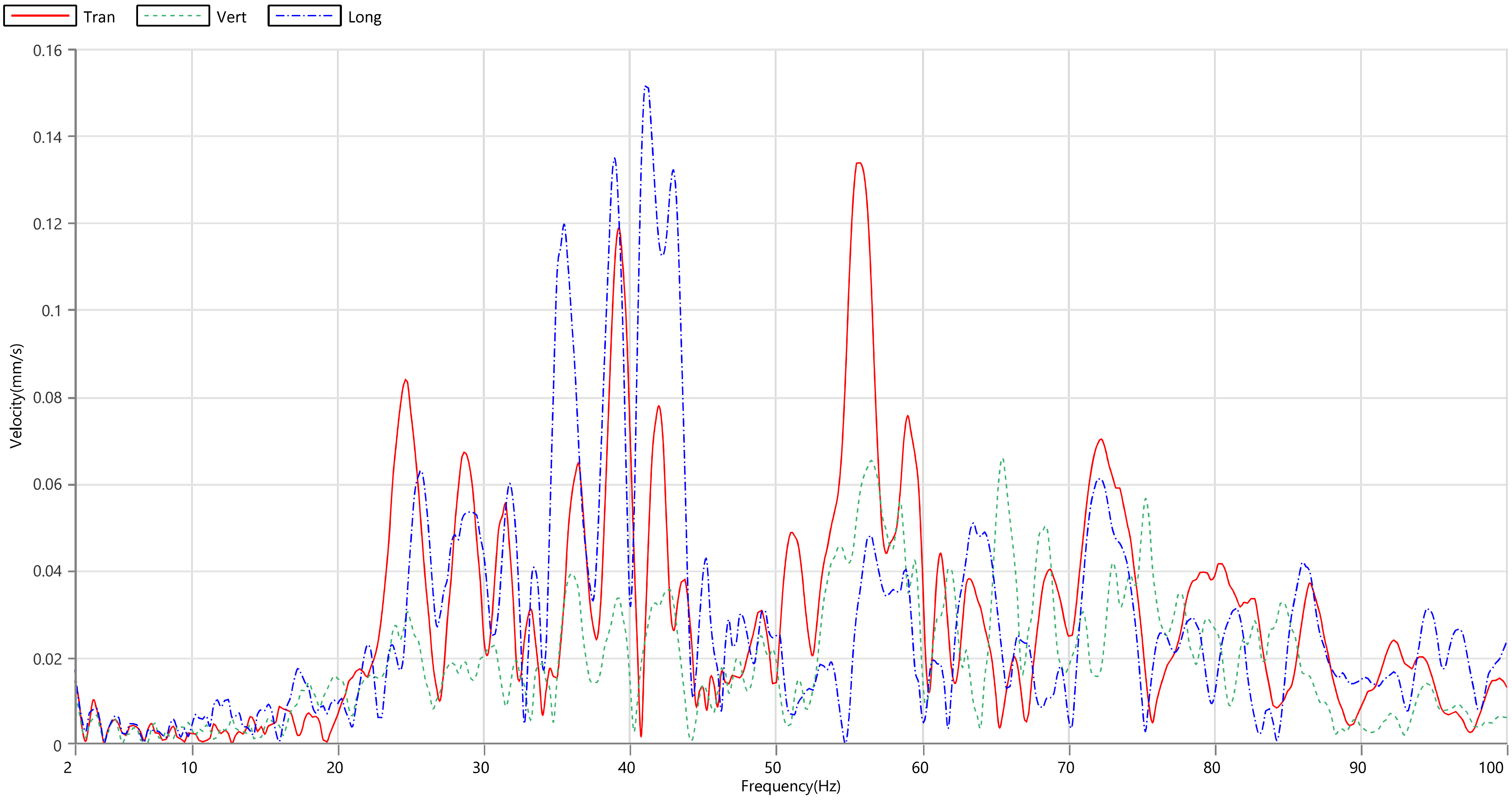
# FFT Report

| | | | |
|---|---|---|---|
| **Waveform Trigger Source** | Long at May 21, 2025 08:59:38 | **Serial Number** | MP14743 |
| **Trigger Level(s)** | Geo 0.500 mm/s | **Model Number** | Minimate Pro 4 XM 10.75 |
| **Trigger Level (Mic)** | Mic 2.00 pa, 100 dB(L) | **Battery Level** | 4.1 volts |
| **Pre-Trigger/Record Time** | 0.25 sec/3.01 sec (Auto) | **Unit Calibration** | April 17, 2025 by Instantel |
| **Sample Rate** | 4096 sps | **Geophone Calibration** | SE14488, April 16, 2025 by Instantel |
| **Setup File Name** | Geo Mic.nsb | **Microphone Calibration** | SL13413, April 17, 2025 by Instantel |
| **Operator** | HH | **Event File Name** | MP14743_20250521085938.IDFW |

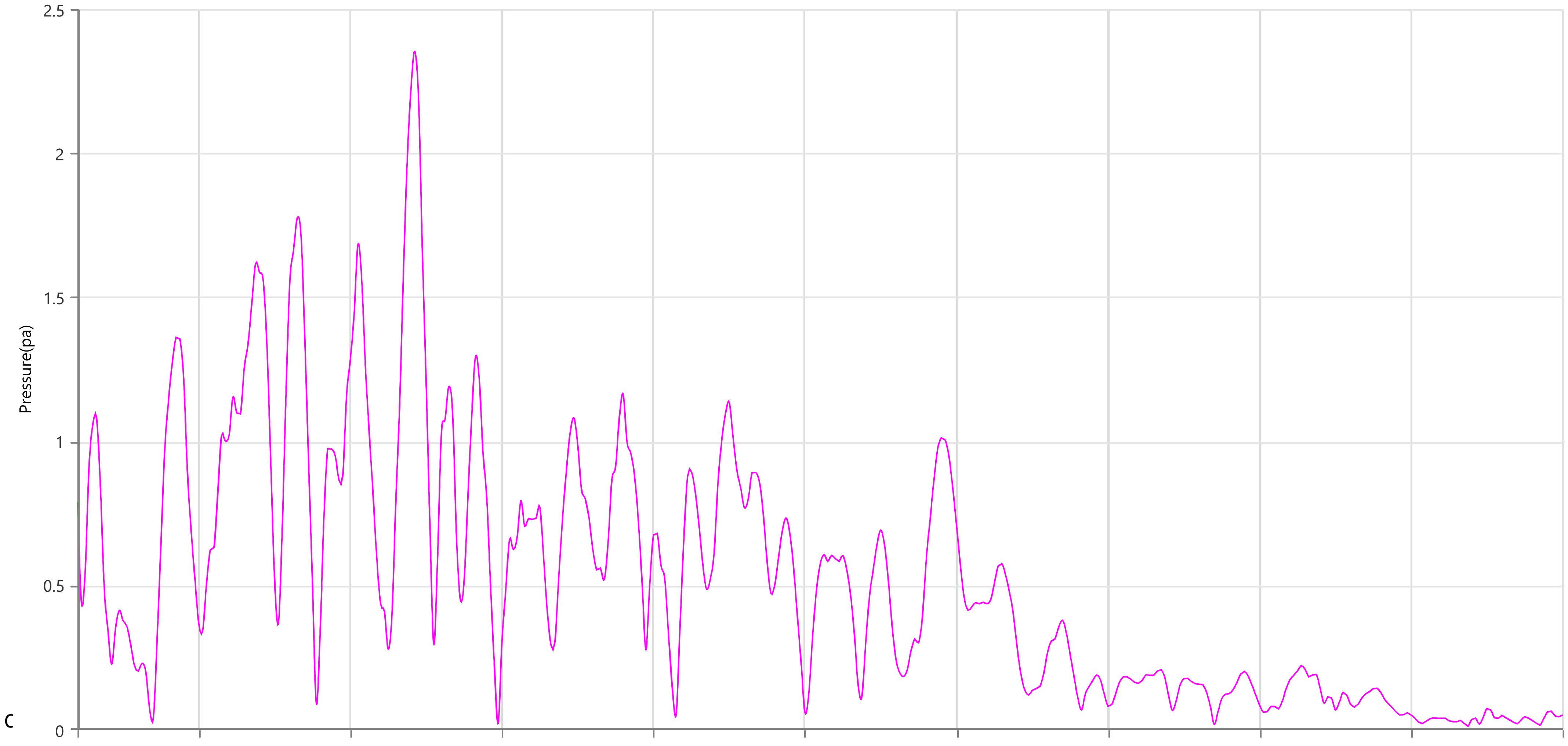
**Notes**

| | |
|---|---|
| Location | |
| Client | |
| Company | Alamos Gold - Lynn Lake |
| General Notes | MacLellan Mine |

**Post Event Notes** No text to be displayed.



**MicL - Dominant Frequency 24.2 Hz, Amplitude 2.35 pa (Peak Sound Pressure Level: 71.23 pa)**



# Event Report

| | | | |
|---|---|---|---|
| **Waveform Trigger Source** | Long at May 22, 2025 09:14:28 | **Serial Number** | MP14743 |
| **Trigger Level(s)** | Geo 0.500 mm/s | **Model Number** | Minimate Pro 4 XM 10.75 |
| **Trigger Level (Mic)** | Mic 2.00 pa, 100 dB(L) | **Battery Level** | 4.1 volts |
| **Pre-Trigger/Record Time** | 0.25 sec/3.00 sec (Auto) | **Unit Calibration** | April 17, 2025 by Instantel |
| **Sample Rate** | 4096 sps | **Geophone Calibration** | SE14488, April 16, 2025 by Instantel |
| **Setup File Name** | Geo Mic.nsb | **Microphone Calibration** | SL13413, April 17, 2025 by Instantel |
| **Operator** | HH | **Event File Name** | MP14743_20250522091428.IDFW |

**Notes**

| | |
|---|---|
| Location | |
| Client | |
| Company | Alamos Gold - Lynn Lake |
| General Notes | MacLellan Mine |

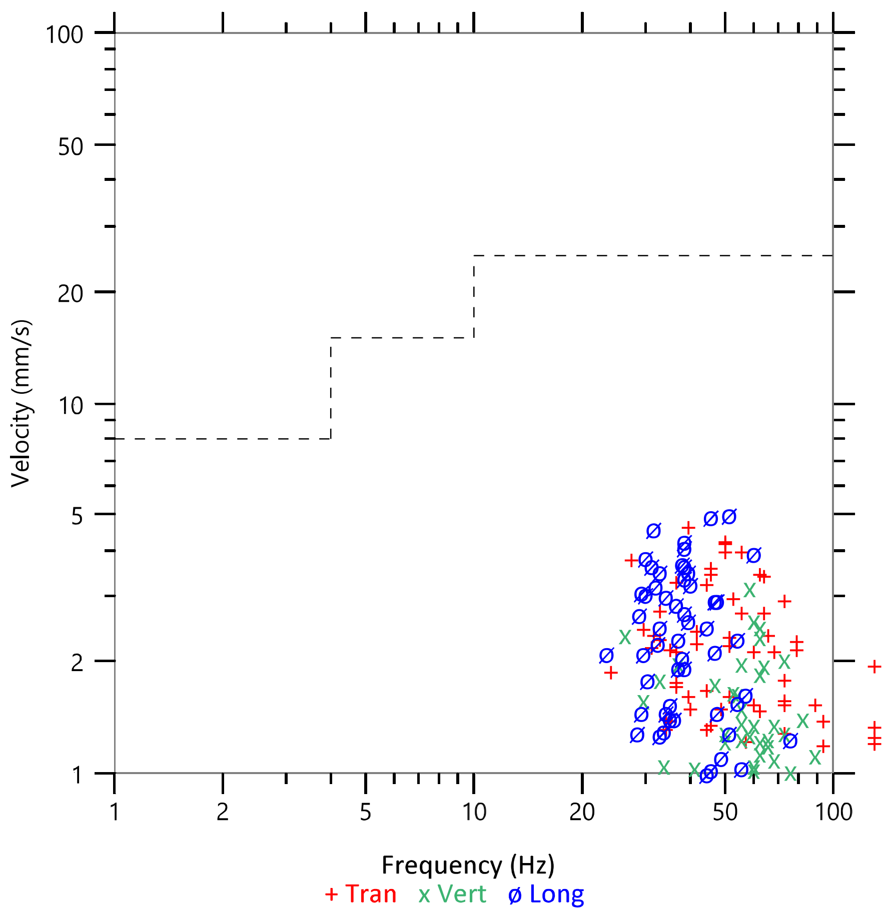
**Post Event Notes** No text to be displayed.

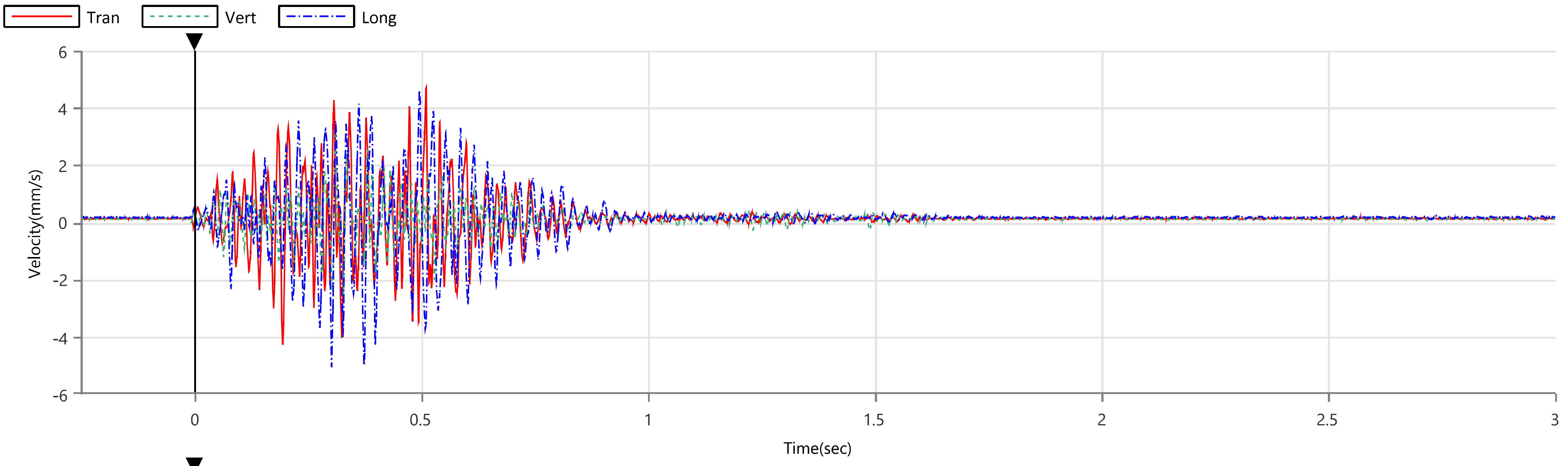
| **ISEE Triaxial Geophone** | **Tran** | **Vert** | **Long** |
|---|---|---|---|
| Peak Particle Velocity | 4.713 mm/s | 3.216 mm/s | 5.060 mm/s |
| Zero Crossing Frequency | 39.4 Hz | 58.5 Hz | 51.2 Hz |
| Time (Relative to Trigger) | 0.511 sec | 0.312 sec | 0.303 sec |
| Peak Acceleration | 0.194 g | 0.128 g | 0.188 g |
| Peak Displacement | 0.018 mm | 0.015 mm | 0.023 mm |
| Sensor Check | Disabled | Disabled | Disabled |
| Peak Vector Sum | 5.912 mm/s at 0.511 sec | | |

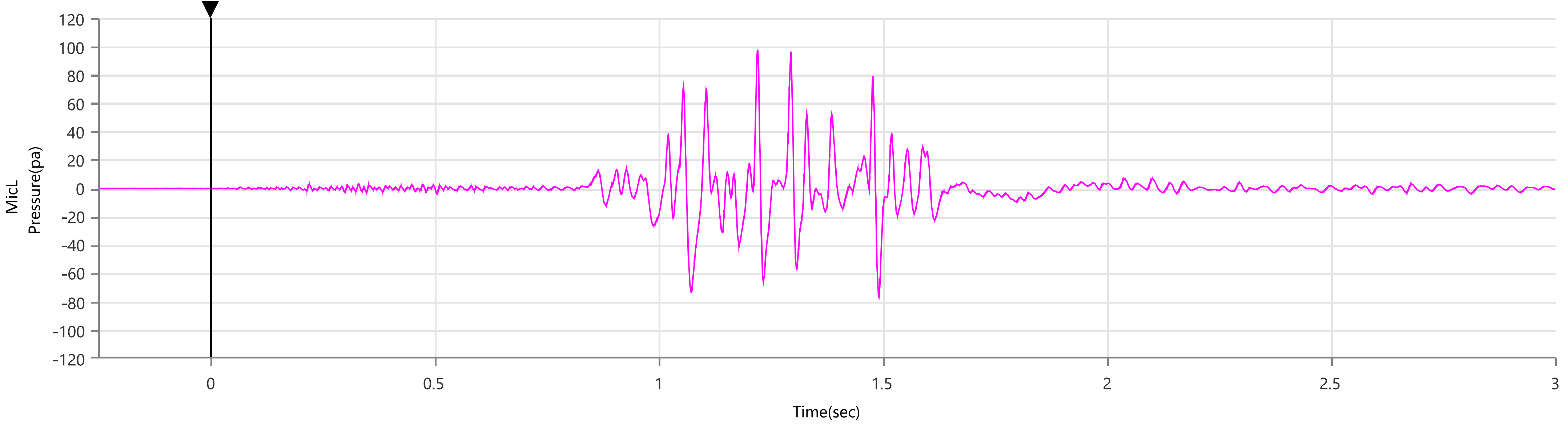
| **ISEE Linear Microphone** | |
|---|---|
| Peak Sound Pressure Level | 97.83 pa |
| Time (Relative to Trigger) | 1.222 sec |
| Zero Crossing Frequency | 32.5 Hz |
| Sensor Check | Disabled |

**Toronto 514-2008**

Velocity versus Frequency (Zero Crossing)







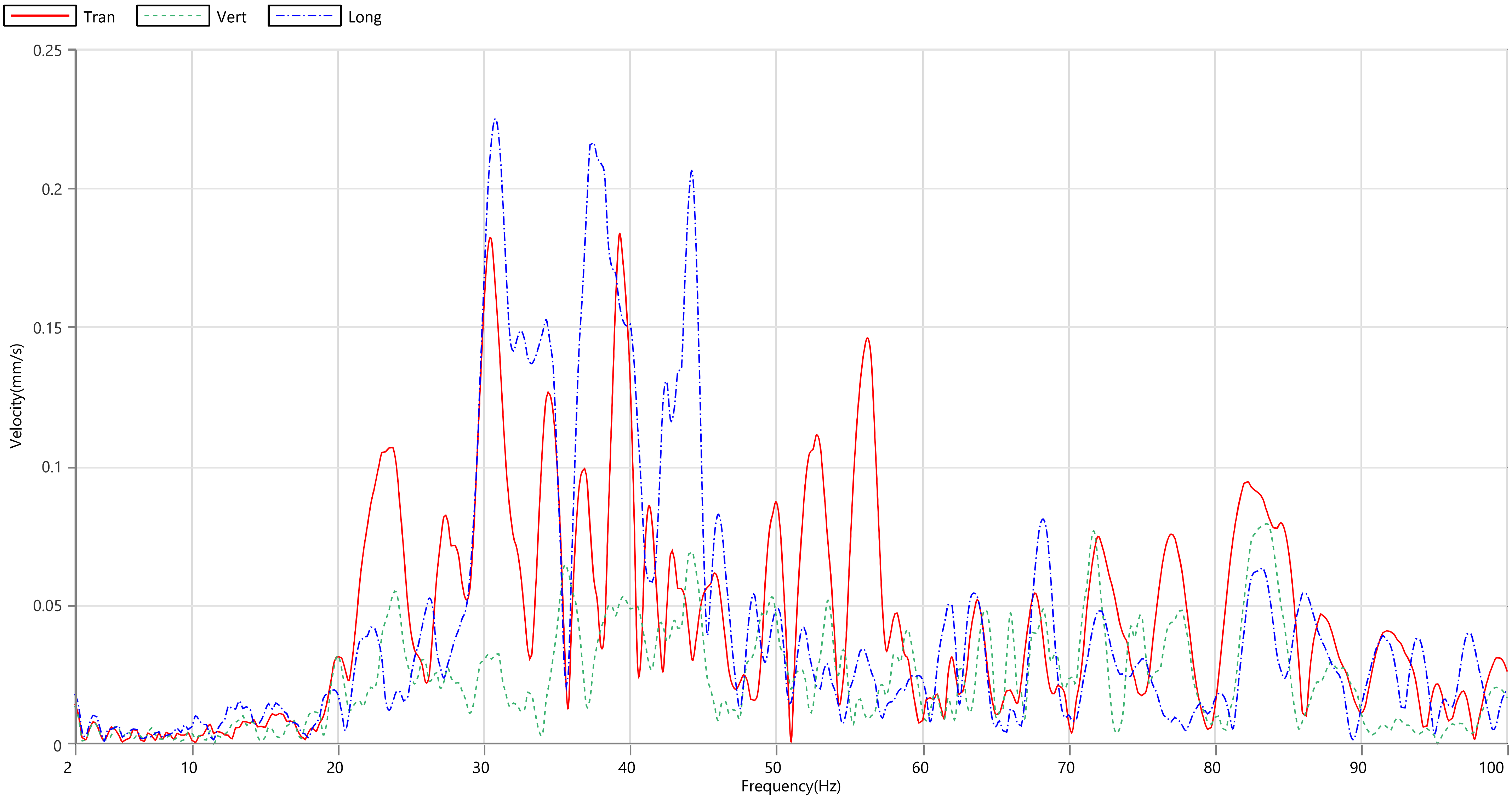
# FFT Report

| | | | |
|---|---|---|---|
| **Waveform Trigger Source** | Long at May 22, 2025 09:14:28 | **Serial Number** | MP14743 |
| **Trigger Level(s)** | Geo 0.500 mm/s | **Model Number** | Minimate Pro 4 XM 10.75 |
| **Trigger Level (Mic)** | Mic 2.00 pa, 100 dB(L) | **Battery Level** | 4.1 volts |
| **Pre-Trigger/Record Time** | 0.25 sec/3.00 sec (Auto) | **Unit Calibration** | April 17, 2025 by Instantel |
| **Sample Rate** | 4096 sps | **Geophone Calibration** | SE14488, April 16, 2025 by Instantel |
| **Setup File Name** | Geo Mic.nsb | **Microphone Calibration** | SL13413, April 17, 2025 by Instantel |
| **Operator** | HH | **Event File Name** | MP14743_20250522091428.IDFW |

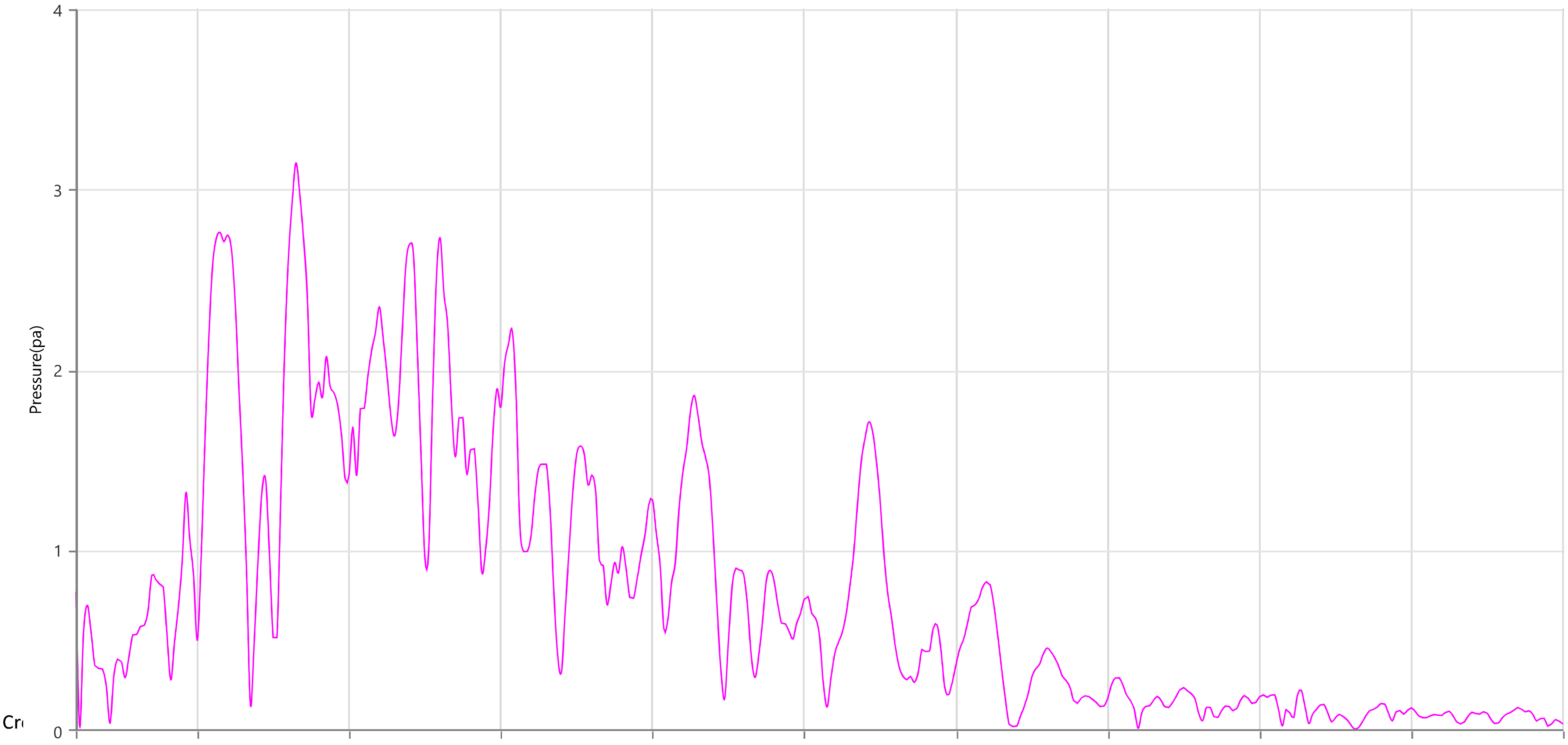
**Notes**

| | |
|---|---|
| Location | |
| Client | |
| Company | Alamos Gold - Lynn Lake |
| General Notes | MacLellan Mine |

**Post Event Notes** No text to be displayed.



**MicL - Dominant Frequency 16.5 Hz, Amplitude 3.15 pa (Peak Sound Pressure Level: 97.83 pa)**



# Event Report

| | | | |
|---|---|---|---|
| **Waveform Trigger Source** | Long at May 26, 2025 21:47:30 | **Serial Number** | MP14743 |
| **Trigger Level(s)** | Geo 0.0197 in/s | **Model Number** | Minimate Pro 4 XM 10.75 |
| **Trigger Level (Mic)** | Mic 0.00029 psi, 100 dB(L) | **Battery Level** | 4.0 volts |
| **Pre-Trigger/Record Time** | 0.25 sec/3.00 sec (Auto) | **Unit Calibration** | April 17, 2025 by Instantel |
| **Sample Rate** | 4096 sps | **Geophone Calibration** | SE14488, April 16, 2025 by Instantel |
| **Setup File Name** | Geo Mic.nsb | **Microphone Calibration** | SL13413, April 17, 2025 by Instantel |
| **Operator** | HH | **Event File Name** | MP14743_20250526214730.IDFW |

**Notes**

| | |
|---|---|
| Location | |
| Client | |
| Company | Alamos Gold - Lynn Lake |
| General Notes | MacLellan Mine |

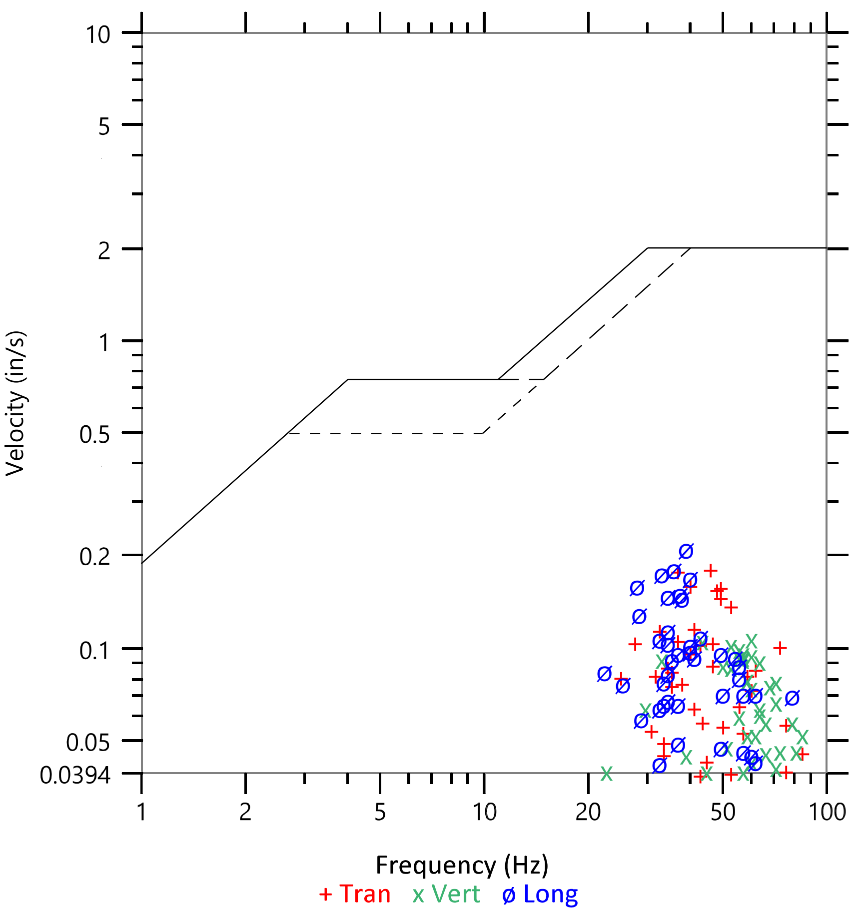
**Post Event Notes** No text to be displayed.

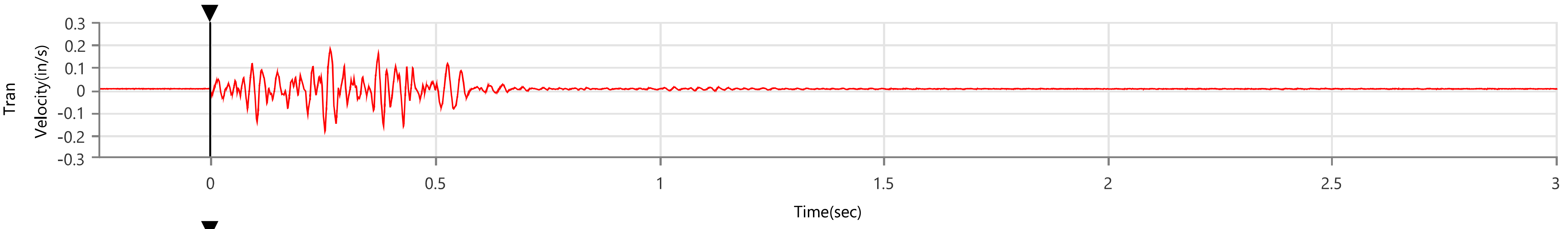
| **ISEE Triaxial Geophone** | **Tran** | **Vert** | **Long** |
|---|---|---|---|
| Peak Particle Velocity | 0.1825 in/s | 0.1092 in/s | 0.2141 in/s |
| Zero Crossing Frequency | 45.5 Hz | 60.2 Hz | 38.6 Hz |
| Time (Relative to Trigger) | 0.254 sec | 0.260 sec | 0.220 sec |
| Peak Acceleration | 0.178 g | 0.158 g | 0.161 g |
| Peak Displacement | 0.001 in | 0.001 in | 0.001 in |
| Sensor Check | Disabled | Disabled | Disabled |
| | | | |
| Peak Vector Sum | 0.2366 in/s at 0.253 sec | | |

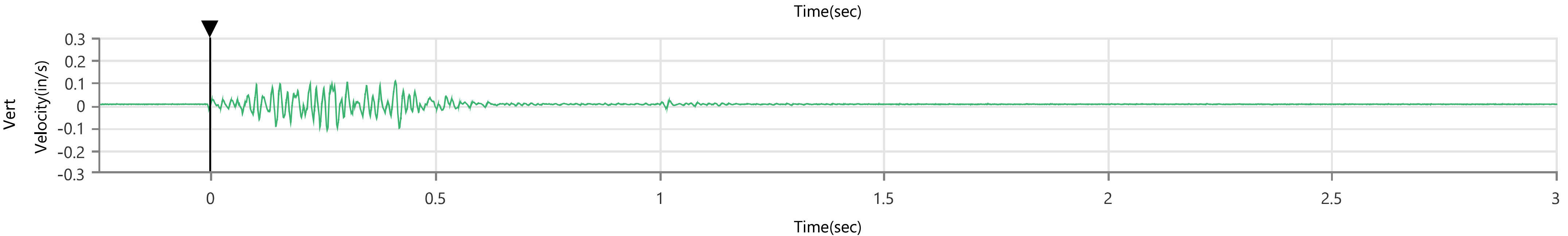
| **ISEE Linear Microphone** | |
|---|---|
| Peak Sound Pressure Level | 0.011576 psi |
| Time (Relative to Trigger) | 1.015 sec |
| Zero Crossing Frequency | 36.6 Hz |
| Sensor Check | Disabled |

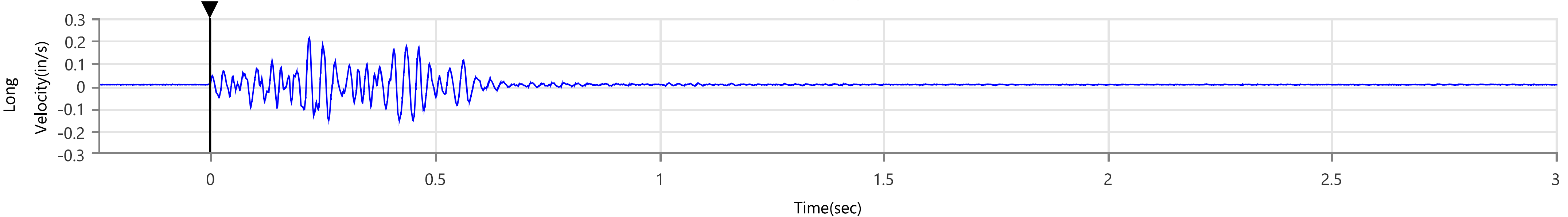
**USBM RI8507 And OSMRE**

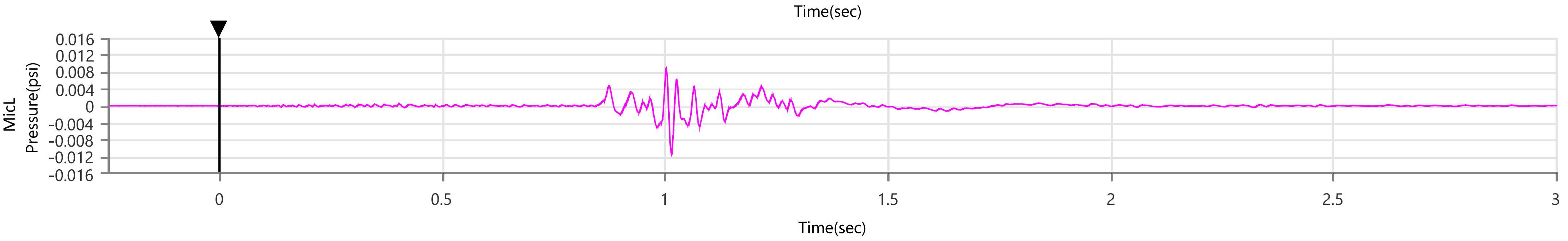
Velocity versus Frequency (Zero Crossing)











# FFT Report

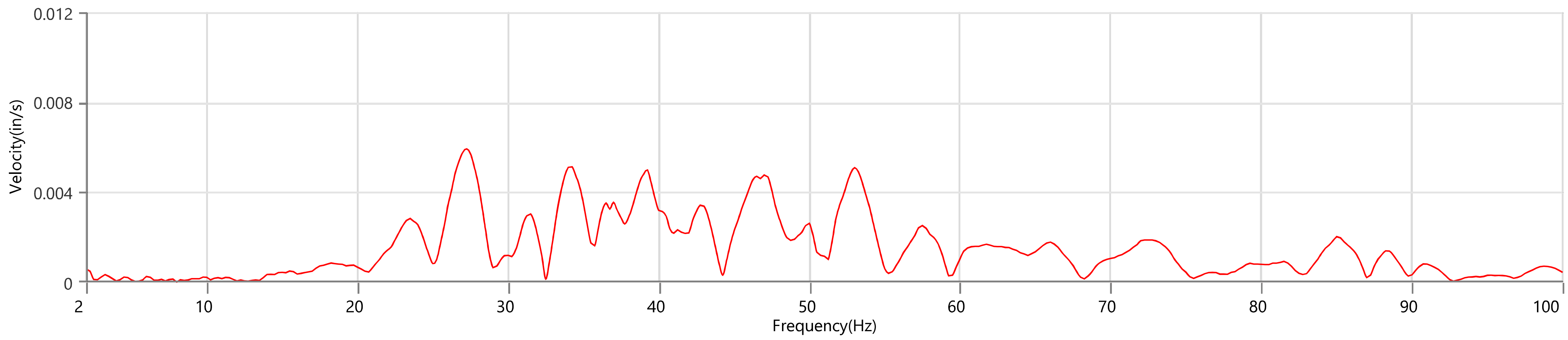
| | | | |
|---|---|---|---|
| **Waveform Trigger Source** | Long at May 26, 2025 21:47:30 | **Serial Number** | MP14743 |
| **Trigger Level(s)** | Geo 0.0197 in/s | **Model Number** | Minimate Pro 4 XM 10.75 |
| **Trigger Level (Mic)** | Mic 0.00029 psi, 100 dB(L) | **Battery Level** | 4.0 volts |
| **Pre-Trigger/Record Time** | 0.25 sec/3.00 sec (Auto) | **Unit Calibration** | April 17, 2025 by Instantel |
| **Sample Rate** | 4096 sps | **Geophone Calibration** | SE14488, April 16, 2025 by Instantel |
| **Setup File Name** | Geo Mic.nsb | **Microphone Calibration** | SL13413, April 17, 2025 by Instantel |
| **Operator** | HH | **Event File Name** | MP14743_20250526214730.IDFW |

**Notes**

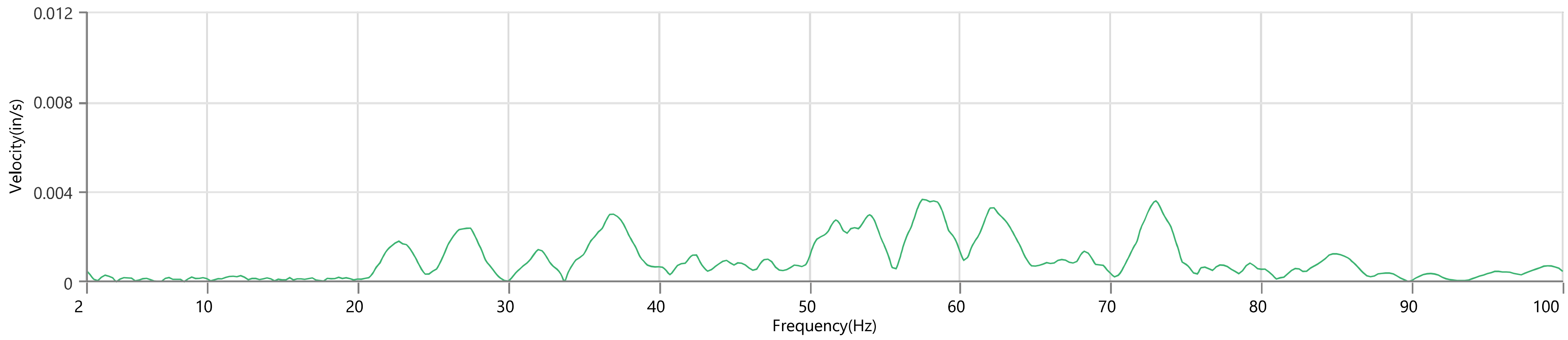
| | |
|---|---|
| Location | |
| Client | |
| Company | Alamos Gold - Lynn Lake |
| General Notes | MacLellan Mine |

**Post Event Notes** No text to be displayed.

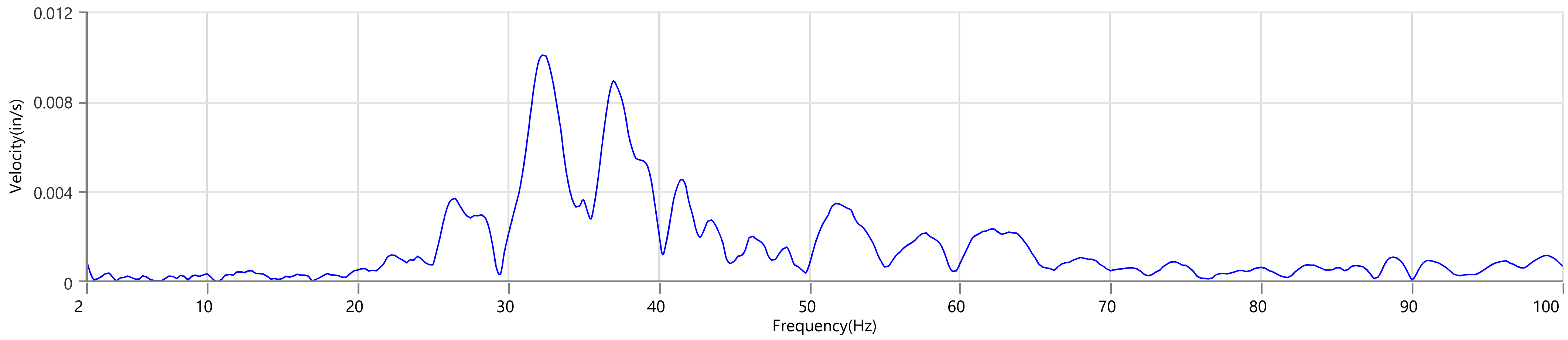
**Tran - Dominant Frequency 27.2 Hz, Amplitude 0.0059 in/s (Peak Particle Velocity: 0.1825 in/s)**



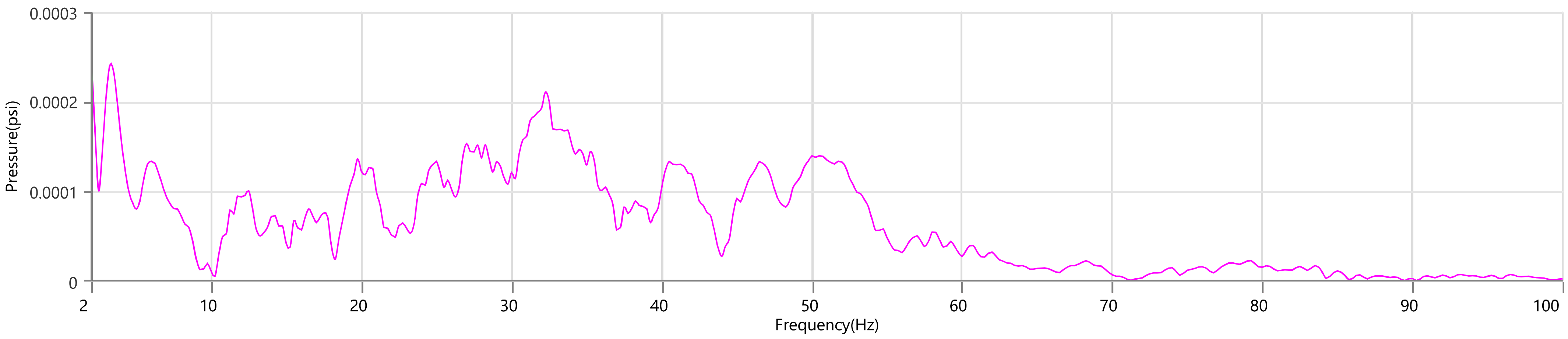
**Vert - Dominant Frequency 57.5 Hz, Amplitude 0.0037 in/s (Peak Particle Velocity: 0.1092 in/s)**



**Long - Dominant Frequency 32.2 Hz, Amplitude 0.0101 in/s (Peak Particle Velocity: 0.2141 in/s)**



**MicL - Dominant Frequency 2.0 Hz, Amplitude 0.00025 psi (Peak Sound Pressure Level: 0.011576 psi)**



# Appendix F

# 2025 Wildlife Management and Monitoring Plan – Annual Report

# Lynn Lake Gold Project: 2025 Wildlife Management and Monitoring Plan – Annual Report

March 18, 2026

ALAMOS GOLD INC.
LYNN LAKE

# Executive Summary

Alamos Gold Inc. commenced construction of the Lynn Lake Gold Project in February 2025 following receipt of federal and provincial approvals. In accordance with these approvals, a Wildlife Management and Monitoring Plan was implemented, and this report summarizes monitoring activities conducted between January 1 and December 31, 2025. Due to significant wildfire activity and mandatory evacuations, construction was limited and occurred intermittently at the MacLellan site.

Wildlife monitoring programs included remote camera monitoring, caribou collaring, beaver monitoring, and pre-disturbance migratory bird surveys. A total of 302 wildlife detections across 20 species were recorded, with limited observations of boreal woodland caribou occurring outside the Project Development Area. Caribou collaring data confirmed no presence within the Project Development Area during the calving and calf-rearing season. Beaver activity was observed but did not pose any concerns, and no active bird nests or breeding behaviour requiring mitigation were identified.

Overall, monitoring results indicate that wildlife interactions and potential Project-related effects remained below established thresholds. No adaptive management actions were required during the 2025 reporting period, and monitoring will continue in accordance with regulatory requirements.

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## List of Appendices

# 1 Introduction

Alamos Gold Inc. (Alamos) commenced construction of the Lynn Lake Gold Project (the Project) in February 2025. The Project – located near the Town of Lynn Lake in northwestern Manitoba – includes open pit mining at two previous mine sites: the MacLellan site, located approximately 7 kilometres (km) northeast of Lynn Lake, and the Gordon site, located approximately 38 km east of Lynn Lake (Map 1, Appendix A).

The Project received a positive Decision Statement from the Impact Assessment Agency of Canada (IAAC) under section 54 of the Canadian Environmental Assessment Act, 2012 on March 5, 2023, which was amended August 6, 2025. The Project also received separate licences under The Environment Act for the “MacLellan Gold Mine” (Licence No. 3391) and the “Gordon Gold Mine” (Licence No. 3390) from the Government of Manitoba on March 6, 2023.

Condition 17 (Licence No. 3390 and 3391) and Condition 2.5 (Federal Decision Statement) required the development and implementation of Management and Monitoring Plans prior to construction. A total of 21 plans were developed and shared to the Province of Manitoba and the Impact Assessment Agency of Canada in January 2025. Each Management and Monitoring Plan developed specifies reporting requirements appropriate to that discipline.

This annual compliance report relates to the Wildlife Management and Monitoring Plan (WMMP) (Version 0, January 2025) and data collected and analyzed between January 1, 2025, and December 31, 2025 in relation to and in accordance with the Wildlife Management and Monitoring Plan (‘the Plan’; Alamos 2025).

Construction activities commenced only at the MacLellan site and were limited because of the mandatory evacuation associated with forest fires. Specifically, construction activities took place between February 17, 2025 and May 27, 2025 and again between November 20, 2025 and December 31, 2025. The completed construction activities included demolition of historic infrastructure, site clearing, earthworks and limited blasting activities associated with non-acid-generating material for construction aggregate purposes.

This report is organized into five (5) general sections, including this introduction (Section 1). Section 2 provides the monitoring and data collection methodology utilized during the 2025 monitoring program. Section 3 presents the monitoring results over the 2025 monitoring period. Section 4 presents and discusses the adaptive management in relation to the WMMP. Section 5 provides report conclusions and recommendations. Report references are presented in Section 6.

All maps/figures and tables referenced throughout the report are presented in Appendix A and Appendix B, respectively.

## 1.1 Purpose

The Project is authorized, subject to the conditions of the Licence No. 3391 and 3390 and the Federal Decision Statement, which includes requirements to monitor the effects on wildlife. The Plan (Alamos 2025) requires that a wildlife report from the monitoring program be submitted annually no later than March 31 following each reporting year, to regulatory authorities and shared with interested Indigenous Nations and stakeholders. This annual compliance report 2025 is submitted to fulfill requirements of the Condition 17 (Licence No. 3390 and 3391) and Condition 2.5 (Federal Decision Statement) and the Plan (Alamos 2025).

## 1.2 Regulatory Context

As outlined in Section 1.4 of the Plan, the Project must adhere to the following federal and provincial acts relating to wildlife:

- *Migratory Birds Convention Act* (Federal)
- *Species at Risk Act* (Federal)
- *The Wildlife Act* (Provincial)
- *The Endangered Species and Ecosystems Act* (Provincial)

# 2 Monitoring and Data Collection Methods

The wildlife monitoring methods employed in the 2025 monitoring period are summarized in Section 4.2 of the Plan. During the monitoring period, Alamos conducted four monitoring campaigns: remote camera monitoring, caribou collaring monitoring, beaver management monitoring, and pre-disturbance migratory bird surveys.

## 2.1 Remote Camera Monitoring

The purpose of monitoring the remote game cameras is to document the presence or absence of Boreal Woodland Caribou (*Rangifer tarandus caribou*) in the Regional Assessment Area (RAA) to analyze any changes in their range or interpret the certainty of potential interactions with the Project. This monitoring program specifically targets Boreal Woodland Caribou, however, information (species, quantity, maturity, and sex) of other species will also be collected and documented.

Thirty-four remote game cameras deployed across the Local Assessment Area (LAA) and RAA were used for this program. Cameras are placed in areas most likely to contain boreal woodland caribou. Camera maintenance occurred three times in the 2025 monitoring period; in January, May (partial program completion due to access restrictions as a result of the fire), and October. Photos captured due to wildlife triggering were analyzed using the Reconyx MapView Professional software. Each event was classified by species, number, age, and sex (where possible). This data was recorded and the photographs saved to a company database.

## 2.2 Caribou Collaring Monitoring

In 2025, Alamos contributed to a collaring study that was initiated by Natural Resources and Indigenous Futures to monitor Boreal Woodland Caribou occurrences within proximity of the RAA, LAA, and PDA. The purpose of this monitoring program is to identify and map potential calving and calf-rearing habitat areas in the region and to understand the chances of potential interactions within the LAA and PDA during all Project phases.

During the reporting period, twenty caribou were collared with GPS units, which are uploaded on a regular basis. The distance between the collar location and the PDA was measured and recorded on a weekly basis during the calving and calf-rearing season.

## 2.3 Beaver Management Monitoring

Beaver monitoring surveys are completed annually each fall as per the Plan. During a pre-construction beaver monitoring survey, several locations were identified as having beaver activity present and are now monitored annually for flow any implications. Farley Creek, Gordon diversion channel, collection ditches both Gordon and MacLellan, the unnamed watercourse from East Pond to an unnamed tributary of the Keewatin River, are the listed sites in a pre-construction survey done in 2022. All sites were surveyed in the Fall of 2025.

## 2.4 Pre-Disturbance Migratory Bird Surveys

Pre-disturbance migratory bird surveys were completed to determine the count of bird species and any nesting or nesting behaviour that was occurring in the areas that were to be cleared of vegetation during the migratory bird breeding season (May 5th to August 15th).

Passive point count survey and non-intrusive nesting surveys were used to determine if mitigation buffers need to be established for a nest or potential nest. For each observation of a bird, a GPS coordinate was be taken, the sex, age (if known), detection type of visual, auditory, or both), evidence of nesting activity, compass direction to observation, and estimated distance was recorded.

## 2.5 Raptor Surveys

A helicopter-based aerial transect survey was scheduled in the Gordon and MacLellan site LAA during the resident bird breeding period. The survey objective is to locate any new or undocumented stick nests and to update the status of the common raven (*Corvus corax*) nest previously identified in the MacLellan LAA and the osprey (*Pandion haliaetus*) nest in the Gordon LAA. This survey could not be conducted due to the absence from site during the resident bird breeding period due to the mandatory evacuation.

# 3 Results

## 3.1 Remote Camera Monitoring

For the year of 2025, 34 remote cameras were in use at various locations within the RAA of the Alamos Lynn Lake Gold Project. 20 species were recorded and a total of 302 detections of animal movements. The most common wildlife detections were Snowshoe Hare (*Lepus americanus*) (40%), Moose (*Alces alces*) (14.5%), and Black Bear (*Ursus americanus*) (9%), as shown in Figure A-1 in Appendix A.

Out of the 302 detection events, Boreal Woodland Caribou were accounted for ten times. Table B-1 in Appendix B presents the detection event total for each species documented. Five were male, three were female, and two were calves. The months which the caribou were detected include February (30%), April (30%), May (10%), June (10%), and July (20%). On CAM1329 (6 km from the PDA), on February 26th, 2025, at 13:02, two male caribou were detected. On CAM1500 (14 km from the PDA), a mature male caribou was detected on February 28th, 2025, at 11:54 and a mature female was detected on May 27th, 2025, at 13:06. Camera CC1327 (8 km from the PDA) detected a mature male caribou on June 5th, 2025, at 22:41. CC1482 had a mature female caribou with one calf were detected on July 25th, 2025, at 6:59. CC1491 (13 km from the PDA) also recorded a mature female with a calf on April 23, 2025, at 10:50. CC1524 (14 km from the PDA) detected a mature male caribou on April 23, 2025, at 16:24. Map A-1 in Appendix A presents the remote camera monitoring locations for the Lynn Lake Gold Project.

The area where the Alamos Lynn Lake Gold Project is located, had a significant fire season for the year of 2025. These fires resulted in destruction of five of the remote cameras and the subsequent mandatory evacuations resulted in a delay until they could be reinstalled. The damaged cameras were replaced on October 19th, 2025, and November 27th, 2025, in order to continue the monitoring of species in the corresponding areas. The damaged camera information is recoded in Table B-2 in Appendix B.

## 3.2 Caribou Collaring Monitoring

The monitoring by Alamos was conducted during the calving and the calf rearing season which is between May 1st to June 30th. 20 caribou were collared, however, there were 4 mortalities for the year of 2025, leaving 16 in total going into 2026. The collared caribou that was closest to the PDA boundary was reported weekly between the mentioned dates. The closest collared caribou was noted on May 2nd, 2025, with a distance of 11.4 kilometers from the closest PDA boundary. The other eight weeks reported distances ranging from 12.9 to 20.3 kilometers, as shown in Table B-3 in Appendix B. Based on the collared caribou, none were detected within the PDA.

## 3.3 Beaver Management Monitoring

In October of 2025, an aerial survey was conducted by helicopter of the sites listed above in Section 2.3, following rivers, streams, and waterbodies. The findings of the October 2025 beaver monitoring survey are provided in Table B-4 in Appendix B. In total 7 active lodges were discovered, along with 2 beaver dams over the span of approximately 9 kilometers of watercourse. A total of 6 active lodges and dams were identified in the Gordon site LAA while only 1 active lodge was found in the Maclellan site LAA. Although lodges indicate beaver presence and activity, dams are the primary concern as they can restrict the water flow and cause upstream flooding. None of the identified dams are currently classified as problematic.

## 3.4 Pre-Disturbance Migratory Bird Surveys

All species identified during the bird sweeps were at a distance or flew through the survey area with no breeding behaviour recorded. The only exceptions were a Dark-eyed Junco (*Junco hyemalis*) identified during the survey conducted on May 14th, 2025, between the MacLellan Site security gate and kilometer 3 marker on the access road, and the Green-winged Teal (*Anas crecca*) breeding pair identified during the survey conducted on May 15th, 2025, between the MacLellan Site security gate and PR391 junction. The May 14th Dark-Eyed Junco and the May 15th Green-winged pair were foraging then flew away. No nests or breeding behaviour were identified during any of the surveys.  The results of the 2025 pre-disturbance surveys are recorded in Table B-5 in Appendix B.

# 4 Adaptive Management

Adaptive management thresholds summarized in Table 5-1 of the Wildlife Management and Monitoring Plan are set as the trigger for adaptive management to avoid non-compliances with applicable provincial and federal thresholds. The monitoring results presented in Section 3 indicate that there were no exceedances of the thresholds during the reporting period, and therefore, no adaptive management was required.

# 5 Conclusion

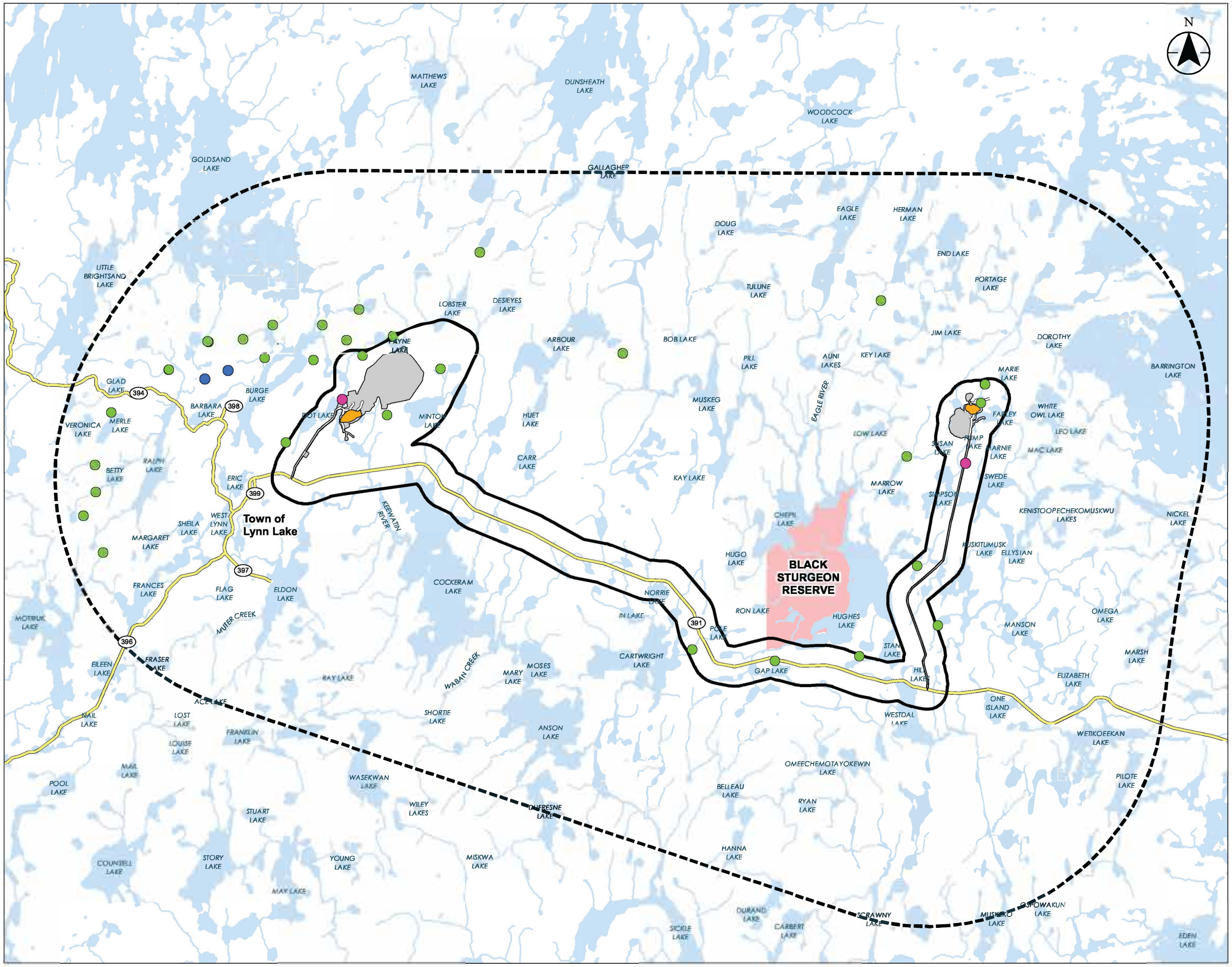
This annual compliance report relates to the Plan (Alamos 2025) and data collected and analyzed during the 2025 reporting period. Wildlife monitoring in 2025 included remote camera monitoring, caribou collaring monitoring, beaver management monitoring, and pre-disturbance migratory bird surveys. The monitoring results were compared with the applicable thresholds for adaptive management considerations. This report concludes that wildlife impacts were below thresholds during the reporting period, and therefore, no actions/responses were required.

# 6 References

Stantec. 2025. Lynn Lake Gold Project: Wildlife Management and Monitoring Plan (Version 0). Prepared for Alamos Gold Inc. January 2025. Winnipeg, MB.

# Appendices

# Appendix A Map and Figures



Stantec

### Project Infrastructure

- 🟧 Proposed Open Pit
- ▨ Project Development Area

### Camera Survey Locations

- ● New Camera Location
- ● Repositioned Camera Location
- ● Existing Camera Location

### Study Area

- ▭ Local Study Area
- ⬚ Regional Study Area

### Landbase

- — Access Road
- — Provincial Road
- — Watercourse
- ▨ Waterbody
- ▨ First Nation Reserve

0 4 8 Kilometres
1:200,000 (At original document size of 11x17)

**Notes**
1. Coordinate System: NAD 1983 UTM Zone 14N
2. Base features provided by the Government of Manitoba and the Government of Canada.

Project Location
MacLellan and Gordon
Lynn Lake, Manitoba

111473076

Prepared by ACampigoto on 2024-12-05
Technical Review by CMoszynski on 2024-12-05

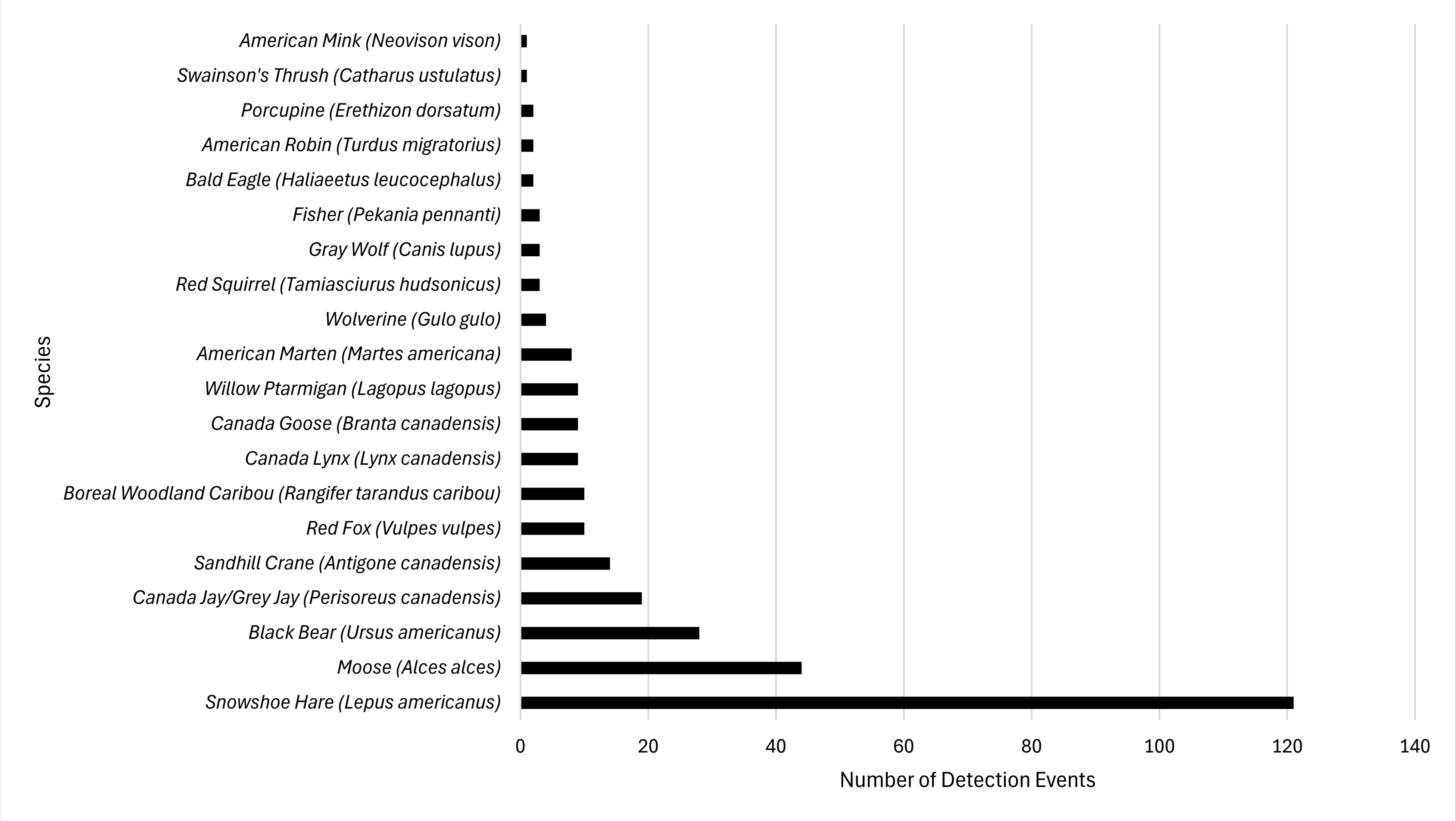
Client/Project
ALAMOS GOLD INC.
Lynn Lake Gold Project
2024 Services

Map No.
**A-1**

Title
**Remote Camera Monitoring Locations -2025**

**Figure A-1**

**Detection Event Totals for Each Species Recorded in the 2025 Remote Camera Monitoring Program**



# Appendix B Tables

## Table B- 1

### 2025 Remote Camera Monitoring Species List and Event Total

| **Species Documented** | **Number of Events Documented** |
|---|---|
| Snowshoe Hare | 121 |
| Moose | 44 |
| Black Bear | 28 |
| Canada Jay (Grey Jay) - *Perisoreus canadensis* | 19 |
| Sandhill Cranes - *Antigone canadensis* | 14 |
| Boreal Woodland Caribou | 10 |
| Red Fox - *Vulpes vulpes* | 10 |
| Willow Ptarmigan - *Lagopus lagopus* | 9 |
| Canada Goose - *Branta canadensis* | 9 |
| Canada Lynx - *Lynx canadensis* | 9 |
| American Marten - *Martes americana* | 8 |
| Wolverine - *Gulo gulo* | 4 |
| Fisher - *Pekania pennanti* | 3 |
| Gray Wolf - *Canis lupus* | 3 |
| Red Squirrel - *Tamiasciurus hudsonicus* | 3 |
| Porcupine - *Erethizon dorsatum* | 2 |
| American Robin - *Turdus migratorius* | 2 |
| Bald Eagles - *Haliaeetus leucocephalus* | 2 |
| American Mink - *Neovison vison* | 1 |
| Swainson's Thrush - *Catharus ustulatus* | 1 |

**Table B-2**

**2025 Remote Camera Damage and Replacement Documentation**

| Camera ID | Date of Malfunction | Reason for Malfunction | Date of Camera Replacement |
|---|---|---|---|
| CAM066 | July 4th, 2025 | Fire | October 19th, 2025 |
| CC1292 | May 24th, 2025 | Fire | October 19th, 2025 |
| CC1365 | May 30th, 2025 | Fire | November 27th, 2025 |
| CC1491 | June 1, 2025 | Fire | November 27th, 2025 |
| CC2207 | June 1, 2025 | Fire | November 27th, 2025 |

**Table B-3**

**2025 calving and calf-rearing season (May 1 to June 30) Boreal Woodland Caribou proximity to PDA**

| Date | Distance to Closest PDA boundary (km) | Collar ID |
|---|---|---|
| 02-May-25 | 11.4 | 97296 |
| 10-May-25 | 20.3 | 97296 |
| 16-May-25 | 15.6 | 85497 |
| 23-May-25 | 15.5 | 85497 |
| 30-May-25 | 18.1 | 85497 |
| 06-Jun-25 | 15.8 | 85497 |
| 13-Jun-25 | 15.2 | 85497 |
| 20-Jun-25 | 15.3 | 85947 |
| 27-Jun-25 | 12.9 | 85947 |

**Table B-4**

**Active Beaver Lodge and Dam Observations**

| | | Zone: 14 V | |
|---|---|---|---|
| **Structure** | **Site Location** | **Easting** | **Northing** |
| Lodge | MacLellan | 382071 | 6307435 |
| Dam | Gordon | 412113 | 6308061 |
| Lodge | Gordon | 411967 | 6308030 |
| Lodge | Gordon | 412745 | 6308013 |
| Lodge | Gordon | 414957 | 6306766 |
| Lodge | Gordon | 414931 | 6306533 |
| Lodge | Gordon | 414624 | 6305639 |
| Dam | Gordon | 414487 | 6305303 |
| Lodge | Gordon | 413901 | 6304597 |

**Table B-5**

**Summary of Pre-Disturbance Bird Surveys Conducted in the PDA during 2025**

| Date (DD/MM/YY) | Survey Start Time | Survey Length (min) | Land Disturbance Reason | Area (ha) | Nests Identified | Present Species Identified |
|---|---|---|---|---|---|---|
| 06/05/25 | 05:40 | 35 | Clearing road ROW | 1.29 | 0 | 1 |
| 06/05/25 | 06:20 | 23 | Clearing road ROW | 0.87 | 0 | 0 |
| 06/05/25 | 07:21 | 32 | Clearing road ROW | 0.87 | 0 | 3 |
| 07/05/25 | 05:56 | - | Clearing road ROW | 1.74 | 0 | 11 |
| 08/05/25 | 07:00 | 30 | Clearing road ROW | 1.66 | 0 | 5 |
| 08/05/25 | 07:40 | 20 | Clearing north edge of camp pad | 0.29 | 0 | 1 |
| 14/05/25 | 06:10 | 20 | Clearing east edge of camp pad | 0.17 | 0 | 0 |
| 14/05/25 | 07:00 | 90 | Clearing road ROW | 18 | 0 | 13 |
| 15/05/25 | 05:55 | 65 | Clearing road ROW | 1.66 | 0 | 10 |
| 16/05/25 | 06:15 | 20 | Clearing north edge of camp pad | 0.29 | 0 | 7 |
| 19/05/25 | 07:10 | 25 | Clearing road ROW | 2.76 | 0 | 8 |
| 22/05/25 | 05:05 | 50 | Clearing road ROW | 1.5 | 0 | 6 |

# Appendix G

# 2025 Acid Rock Drainage and Metal Leaching Management and Monitoring Plan – Annual Report

# Lynn Lake Gold Project: 2025 Acid Rock Drainage and Metal Leaching Management Plan – Annual Report

March 18, 2026

Alamos Gold Inc.
Lynn Lake

# Executive Summary

Alamos Gold Inc. commenced construction of the Lynn Lake Gold Project in February 2025 following receipt of federal and provincial approvals. In accordance with these approvals, an Acid Rock Drainage and Metal Leaching Management Plan was implemented, and this report summarizes monitoring activities conducted between January 1 and December 31, 2025. Due to significant wildfire activity and mandatory evacuations, construction was limited and occurred intermittently at the MacLellan site.

All sampled materials during the 2025 reporting period returned Neutralization Potential Ratios well above the NAG threshold (NPR > 2), with average NPR values ranging from 4.55 to 17.80, confirming the material as non-acid generating (NAG). These results are consistent with block model predictions and with historical characterization.

No results deviated from predicted geochemical conditions and no non-compliant results were observed. No adaptive management actions were required during the 2025 reporting period, and monitoring will continue in accordance with regulatory requirements.

# Table of Contents

## List of Appendices

# 1 Introduction

Alamos Gold Inc. (Alamos) commenced construction of the Lynn Lake Gold Project (the Project) in February 2025. The Project – located near the Town of Lynn Lake in northwestern Manitoba – includes open pit mining at two previous mine sites: the MacLellan site, located approximately 7 kilometres (km) northeast of Lynn Lake, and the Gordon site, located approximately 38 km east of Lynn Lake (Map 1, Appendix A).

The Project received a positive Decision Statement from the Impact Assessment Agency of Canada (IAAC) under section 54 of the Canadian Environmental Assessment Act, 2012 on March 5, 2023, which was amended August 6, 2025. The Project also received separate licences under The Environment Act for the “MacLellan Gold Mine” (Licence No. 3391) and the “Gordon Gold Mine” (Licence No. 3390) from the Government of Manitoba on March 6, 2023.

Condition 17 (Licence No. 3390 and 3391) and Condition 2.5 (Federal Decision Statement) required the development and implementation of Management and Monitoring Plans prior to construction. A total of 21 plans were developed and shared to the Province of Manitoba and the Impact Assessment Agency of Canada in January 2025. Each Management and Monitoring Plan developed specifies reporting requirements appropriate to that discipline.

This annual compliance report relates to the Acid Rock Drainage and Metal Leaching Management Plan (ARDMLMP) (Version 0, January 2025) and data collected and analyzed between January 1, 2025, and December 31, 2025 in relation to and in accordance with the Acid Rock Drainage and Metal Leaching Management Plan (‘the Plan’; Alamos 2025).

Construction activities commenced only at the MacLellan site and were limited because of the mandatory evacuation associated with forest fires. Specifically, construction activities took place between February 17, 2025 and May 27, 2025 and again between November 20, 2025 and December 31, 2025. The completed construction activities included demolition of historic infrastructure, site clearing, earthworks and limited blasting activities associated with non-acid-generating material for construction aggregate purposes.

This report is organized into five (5) general sections, including this introduction (Section 1). Section 2 provides the monitoring and analytical methods utilized during the 2025 monitoring program. Section 3 presents the monitoring results over the 2025 monitoring period. Section 4 presents and discusses the adaptive management in relation to the ARDMLMP. Section 5 provides report conclusions and recommendations. Report references are presented in Section 6.

All tables referenced throughout the report are presented in **Error! Reference source not found.**.

## 1.1 Purpose

The Project is authorized, subject to the conditions of the Licence No. 3391 and 3390 and the Federal Decision Statement, which includes requirements to monitor and manage potentially acid generating materials on site. The Plan (Alamos 2025) requires that an acid rock drainage and metal leaching report from the monitoring program be submitted annually no later than March 31 following each reporting year, to regulatory authorities and shared with interested Indigenous Nations and stakeholders. This annual compliance report 2025 is submitted to fulfill requirements of the Condition 17 (Licence No. 3390 and 3391) and Condition 2.5 (Federal Decision Statement) and the Plan (Alamos 2025).

## 1.2 Regulatory Context

As outlined in Section 1.4 of the Plan, the Project must adhere to both federal and provincial regulatory requirements. Federal regulatory requirements that are relevant to the management of ARD/ML include the *Fisheries Act* and the *Metal and Diamond Mining Effluent Regulations*. Provincial regulatory requirements that are relevant to the management of ARD/ML include Mine Closure Regulation under *The Mines and Minerals Act* and the Manitoba Water Quality Standards, Objectives, and Guidelines under *The Water Protection Act*.

# 2 Monitoring and Analytical Approach

Management of Acid Rock Drainage and Metal Leaching (ARD/ML) at the project is guided by the approved Acid Rock Drainage and Metal Leaching Management Plan (ARDMLMP; Version 0, January 2025). The plan establishes a conservative material classification framework to ensure that potentially acid generating materials are appropriately identified and managed. Under this framework, mine rock is considered potentially acid generating (PAG) unless demonstrated to be non-acid generating (NAG). Material classification follows Neutralization Potential Ratio (NPR) thresholds, where materials with an NPR greater than 2 are classified as NAG and materials with an NPR of 2 or less are classified as PAG.

Testing requirements outlined in the ARDMLMP include routine geochemical characterization during material extraction and construction activities. Sampling frequencies include one sample per 10,000 tonnes for Total Sulphur and Total Carbon, and one sample per 100,000 tonnes for Acid Base Accounting (ABA), Sequential Net Acid Generation testing, and trace element analysis. Materials not meeting NAG criteria are excluded from construction use and are managed in accordance with the approved ARDMLMP. Although historical and recent characterization indicates that the starter pit is located within a NAG-dominated portion of the ARD block model, the project continues to apply the conservative ARDMLMP classification framework.

Geochemical sampling of blasted material was conducted throughout 2025 to verify ARD classification predictions and confirm compliance with the ARDMLMP. Samples collected during the year were submitted to an accredited off-site laboratory (SGS) for analysis. An on-site laboratory was not available during 2025; however, the establishment of an on-site laboratory is planned for 2026. The future on-site facility is expected to significantly reduce the time between sample collection and receipt of analytical results, thereby improving operational decision-making timelines.

# 3 Results

During 2025, a total of 127,969 tonnes of material were blasted and characterized through 14 geochemical samples collected across seven blast events. All sampled materials returned Neutralization Potential Ratios well above the NAG threshold (NPR > 2), with average NPR values ranging from 4.55 to 17.80, confirming the material as non-acid generating (NAG). These results are consistent with the ARD block model predictions and with historical characterization indicating that the starter pit is located within a NAG-dominated zone. Results from the 2025 monitoring period are presented in Table A-1 in Appendix A of this report.

# 4 Adaptive Management

All ARD/ML management and monitoring activities conducted during 2025 were completed in accordance with the approved ARDMLMP and applicable regulatory requirements under the Federal Decision Statement and the Licences 3390 and 3391. All regulatory requirements were met during the reporting period. No results deviated from predicted geochemical conditions and no non-compliant results were observed. Consequently, no adaptive management actions were required in 2025.

# 5 Conclusion

This annual compliance report relates to the Plan (Alamos 2025) and data collected and analyzed during the 2025 reporting period. ARD/ML monitoring results will continue to be reported annually to federal and provincial regulatory authorities and shared with the Environmental Advisory Committee of each year for results obtained during the preceding year. Any future results that are non-compliant or that substantially deviate from predicted conditions will be reported to the Chief Inspector of Mines in accordance with regulatory requirements. This report concludes that ARD/ML monitoring results below thresholds during the reporting period, and therefore, no actions/responses were required.

# 6 References

Stantec. 2025. Lynn Lake Gold Project: Acid Rock Drainage and Metal Leaching Management Plan (Version 0). Prepared for Alamos Gold Inc. January 2025. Winnipeg, MB.

# Appendices

# Appendix A Tables

**Table A-1**

**2025 Acid Rock Drainage and Metal Leaching Monitoring Results**

| Blast Name | Blast Date | Blasted Tonnes | # Of Samples per Blast | Average ARD classification | NAG (N)/ PAG (P) | ABA, NAG, and Trace Element Analysis (1 Sample per 100,000 t) |
|---|---|---|---|---|---|---|
| 348P-01 | Thursday, May 15, 2025 | 16,847 | 1 | 17.80 | N | |
| 348P-02 | May 21,2025 | 7,477 | 1 | 4.55 | N | |
| 348-02b | May 22,2025 | 12,887 | 1 | 11.7 | N | |
| 348-03 | Monday, May 26, 2025 | 8,574 | 1 | 9.77 | N | |
| 348-03b | Tuesday, December 9, 2025 | 24,506 | 3 | 16.11 | N | |
| 348-05 | Saturday, December 13, 2025 | 11,800 | 2 | 12.625 | N | |
| 348-04 | Wednesday, December 17, 2025 | 45,878 | 5 | 6.426 | N | Y |
| | | 127,969 | 14 | | | |