REPORT

MCCARTHY QUARRY

2025 Permit To Take Water Compliance Report

Submitted to:

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Distribution List

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1.0 INTRODUCTION

WSP Canada Inc. (WSP) was retained by Green Infrastructure Partners Industrial Inc. (GIP) to prepare the annual Permit To Take Water (PTTW) report for the McCarthy Quarry (the Site) located in the Township of Ramara, County of Simcoe (Figure 1). The monitoring activities documented in this report were conducted as a requirement of Permit To Take Water (PTTW) No. 0721-DDKR57 (the 'Permit'; Appendix A). The Permit is in place from January 31, 2025 to January 31, 2035. Disposal of water from the Site is governed by Environmental Compliance Approval (ECA) No. ECA No. 7737-BH6QEA, issued on October 22, 2019.

2.0 PHYSICAL SETTING

2.1 Site Development and Land Use

The Site is located approximately six kilometres south-east of the Community of Brechin at Lot 1, Concession 1, Township of Ramara former Mara, Simcoe County (Figure 1). The Site began operations with the advancement of the sinking cut on March 15, 2013. Currently, the quarry floor is approximately 22 metres below (historic) ground level (mbgl) or 233 metres above sea level (masl). The current quarry footprint as of 2025 is approximately 16 ha (Figure 2). The ultimate quarry extent is expected to be approximately 30 ha.

Land use surrounding the Site is primarily rural, consisting of woodlots, pasture and scattered single-family homes. To the south and east along the Talbot River and Canal Lake are seasonal and year-round residences.

2.2 Geology

The elevation of the land the vicinity of the Site ranges from 250 masl to 255 masl, with the higher elevations on the western portion of the property. The overburden thickness on the Site ranges from 0.3 m in the north (OW9) to approximately 8 m in the south (OW4) (Figure 3 and Figure 4).

The quarry is located in a broad, arching, low relief upland area within a clay and limestone plain typical of the physiography to the east of Lake Simcoe (Chapman & Putman, 1984). Underlying the overburden material are Middle Ordovician aged limestone deposits including, from bedrock surface downward: the Verulam, Bobcaygeon and Gull River Formations.

The Verulam Formation consists of thinly bedded limestone and shale or shaley limestone and is relatively thin at the Site (0 to 4 m in thickness).

The Bobcaygeon Formation consists of thin to medium bedded limestones and ranges in thickness from approximately 31 m (OW6) to 40 m (OW9) (Figures 3 and 4). Quarrying at the Site is primarily within the Bobcaygeon Formation.

The Gull River Formation consists of fine-grained limestone with minor interbeds of shale or shaley limestone with an approximate thickness of 16 m. The Gull River Formation remains intact at the Site.

2.3 Aquifers and Local Water Use

Overburden aquifer deposits within the vicinity of the Site, where sufficiently thick, likely provide sufficient water for domestic purposes as evidenced by the presence of dug and bored wells in the area. A review of measured overburden water levels suggests the flow system approximately mimics topographic trends and thus flow in a generally south to southeast direction towards the Talbot River.

Wells constructed in the bedrock are generally completed within the Bobcaygeon or Gull River Formations. As indicated above, quarrying at the Site is primarily within the Bobcaygeon Formation. The regional groundwater flow direction in the Bobcaygeon Formation is generally to the southwest towards Lake Simcoe (Figure 5).

The Ministry of Environment, Conservation and Parks (MECP) water well database was reviewed to identify accessible private water wells located in the vicinity of the Site. Nine wells, three dug and six drilled, were located within 1,000 m of Site. Seven wells are on Concession Road 1 and two wells are on the Mara-Eldon Boundary Road (Figure 1).

2.4 Quarry Dewatering

The Permit authorizes a maximum daily water taking volume of 6,544,800 L/day with a maximum of 250 days of taking. The maximum annual water taking is capped at 196,500,000 L/year.

Groundwater and precipitation entering the quarry is collected in a sump in the quarry floor originally located in the northwest corner of the quarry floor which collects groundwater and surface water (hereafter referred to as “quarry discharge”) accumulating at the base of the quarry. GIP finalized set-up of a new sump location in the southeast corner of the quarry floor in March 2022 and started utilized this new sump location for pumping in April 2022. The sump is equipped with a pump with a maximum discharge rate of 35 L/sec which is attached to a 4-inch (101 mm) diameter discharge line. On April 11, 2023, GIP staff replaced the pump with a rental from Sunbelt following issues with the previous pump and continues to be used while a permanent replacement is being worked on. This pump is rated for a maximum discharge rate of up to 1417 L/min (24 L/sec) and is attached to the discharge line. The water is pumped from the quarry floor up the quarry face via the discharge line to a 4-inch (101 mm) diameter pipeline that directs the water to a ditch that runs southward through the McCarthy property to the 14,000 m^3 settling pond. During the winter of 2025 into 2026, the pipeline from the quarry to the settling pond had a break develop due to water freezing in the line. This pipeline was replaced by a similar sized high-density polyethylene fusion welded pipeline with check valves to prevent future issues of freezing. The water in the settling pond discharges via a Hickenbottom control structure to the roadside ditches along Concession Road 1. The water in the roadside ditch travels eastward along the north side of Concession Road 1 to a municipal drain and eventually discharges to the Talbot River, which in turn discharges to Lake Simcoe.

3.0 MONITORING PROGRAM AND RESULTS

The monitoring program for the Site, which is outlined in Section 4 of the Permit (Appendix A), directs GIP to record daily water takings, monitor groundwater levels in 22 monitoring wells and seven residential wells and analyze groundwater quality in select monitoring and residential wells. GIP is also required to maintain a publicly accessible internet site containing the required monitoring data and reporting and to establish a Public Liaison Committee (PLC) that is to meet once every four months unless the majority of the PLC decide that more or less frequent meetings are required.

3.1 Quarry Operations Update

The current quarry footprint is approximately 620 m by 260 m (16.18 hectares) with the ultimate limit of extraction (30 ha) shown in Figure 2. GIP staff reported there they resumed aggregate extraction as of 2021 after no extraction was completed in 2020.

3.2 Monitoring Condition 4.1: Water Level Monitoring of Sump

Condition 4.1 of the Permit stipulates that the water level in the quarry cannot be lowered below an elevation of 232.0 masl. GIP staff indicated the sump pump is installed such that water level in the quarry remains above 232.0 masl. The quarry floor is approximately 15 meters below ground level of 240 masl in the central and northern portion of the quarry and approximately 23 meters below ground level or 232 masl in the southern portion of the quarry at the deeper lift where the sump pump for quarry has been located since 2022.

3.3 Monitoring Condition 4.2, 4.3 and 4.4: Groundwater Elevations

Water level monitoring has been ongoing at the Site since the early stages of quarry development in 2002. Both on-Site observation wells and off-Site residential wells have been incorporated into the monitoring program in order to meet the requirements of Conditions 4.2, 4.3 and 4.4 of the Permit. Groundwater elevation readings at the Site are collected through a combination of monthly manual water level measurements at all the wells, and pressure transducers installed in select wells for automated daily monitoring. The wells included in the 2025 monitoring program are listed in Table 1 and shown on Figure 1 and Figure 2.

Table 1: Groundwater Monitoring Locations and Measurement Frequency

	Daily Monitoring **	Monthly Monitoring	Semi-Annual***
Monitoring Wells	OW4-1, OW4-2, OW5-1, OW6-1, OW6-2, OW8-3, OW9-2, Bored, CKL-1	AM1b, AMx-R, TW1-1, OW4-1, OW4-2, OW5-1, OW5-2, OW5-3, OW6-1, OW6-2, OW6-3, OW7-1, OW7-2, OW7-3, OW8-1, OW8-2, OW8-3, OW9-1, OW9-2, Bored, CKL-1 and CKL-2	-
Residential Wells	-	DW3, DW1, DW2, DW4, DW6*, DW7*, and DW8*	DW9

*Monitored at least once every two months
**Daily monitoring completed with a pressure transducer
***Requested by homeowner during Public Liaison Committee Meeting to be included in 2025 onwards with semi-annual measurements during Spring and Fall.

Table 3 presents the manual groundwater level readings collected at each of the monitoring locations. Groundwater hydrographs are presented in Figures 6 through 10 and include data from 2014 through 2025. Appendix B provides groundwater hydrographs at each of the wells over the period from 2006 through 2025. Due to the Covid-19 pandemic, private residential wells were not monitored between April and July of 2020. Starting in August of 2020, WSP attempted to contact each homeowner to confirm they still wanted to be included in the monitoring program during the Covid-19 pandemic. The homeowner of DW3 had previously requested they be contacted via telephone before each monitoring round. Permission to continue monitoring at DW7 was received in April 2021 and permission to continue monitoring at DW3 was received in June 2021. During the Public Liaison Committee (PLC) meeting in February 2025, the resident at DW9 requested to be included in the monitoring program moving forward with their well measured semi-annually.

In 2025 most of the monitoring wells displayed a pattern of rising groundwater levels through the spring period with subsequent decline in the summer. This pattern is consistent with historical behaviour at the Site. However, it was noted that a number of the wells in the area showed a larger decline over the Summer into early Fall then in prior years.

Notably, both the Kawartha Conservation and Lake Simcoe Conservation Authority during this period had a notice for low water levels. Furthermore, the Canadian Drought Monitor had the area under a moderate to severe drought during that period due to a lack of rainfall through the Summer and early Fall. Notably, no dewatering occurred at the quarry after June 10th onwards as noted in Table 6. The measured maxima in 2025 groundwater elevations were generally within historical ranges for most wells, but the measured minima did see new recent lows in a number of wells described below:

- Well DW4 (Overburden): The groundwater levels at DW4 have decreased slightly since 2018 in comparison to historical norms. It is noted the decline in water levels is most significant in the summer months. Groundwater levels increased at DW4 towards the end of 2021 and appears to have stabilized as of 2023 but with noted decreases during the late summer and fall season.
- Well DW7 (Overburden): The groundwater levels at DW7 decreased to new recent lows over the summer of 2025 likely correlating to the drought conditions experienced at the time. Notably the water levels began to recover to historical averages in November suggesting the effect was just correlated to a lack of rainfall in the area. During this period GIP provided water tanks to the resident to assist with the reduced water supply.
- Well AM1B (Overburden): The groundwater levels at AM1B decreased to new recent lows over the summer of 2025 likely correlating to the drought conditions experienced at the time. Notably the water levels recovered to historical averages in December suggesting the effect was just correlated to a lack of rainfall in the area.
- Well OW4-1 and OW4-2 (Verulam and Bobcaygeon Formations): The groundwater levels at OW4-1 and OW4-2 decreased to new recent lows over the summer of 2025 likely correlating to the drought conditions experienced at the time. Notably the water levels recovered to historical averages in December suggesting the effect was just correlated to a lack of rainfall in the area.
- Well OW5-1 (Overburden): The groundwater levels at OW5-1 decreased to new recent lows over the summer of 2025 likely correlating to the drought conditions experienced at the time. Notably the water levels recovered to historical averages in December suggesting the effect was just correlated to a lack of rainfall in the area.
- Wells OW9-1 and OW9-2 (Bobcaygeon Formation): The groundwater level at OW9-1 has declined approximately 12 m since 2014 and the well at this location is now generally dry. The groundwater level at OW9-2 has declined approximately 15 m since 2014 (Figure 7). The groundwater level at this location has declined to near or below the bottom of the well.
- Well OW6-3 (Gull River Formation): Groundwater levels have risen by approximately 10 m since the start of 2014 and has relatively stabilized since then besides a small decrease during late 2025 (Figure 9).
- Well OW8-3 (Gull River Formation): Groundwater levels have declined by approximately 4 m at OW8-3 since the start of 2017 (Figure 9). Following this decline, water levels fluctuated in 2019 and 2020 but appear to have stabilized since July of 2020. However, it is to be noted that groundwater levels rose in 2023 to be a closer match with historic levels while in 2024 onwards the levels have decreased slightly again to levels around the 2018 period.
- Well DW1 (Overburden): The groundwater level at DW1 has notably decreased steadily starting in August 2025. Similar wells located in the overburden (AM1B, OW5-1, Bored well) show a similar trend of decreasing levels in the summer through Fall of 2025. Water levels recovered to historical trends in December suggesting the lack of rainfall in the area may have been the issue.

- Well TW1-1 and TW1-2 (Bobcaygeon and Precambrian formations): The groundwater levels at TW1-1 and TW1-2 decreased to new recent lows over the summer and fall of 2025 likely correlating to the drought conditions experienced at the time. Notably the water levels recovered to historical averages towards the end of 2025 suggesting the effect was just correlated to a lack of rainfall in the area.
- Bored Well (Overburden): The groundwater levels at the Bored well reached new recent lows during late August through November 2025 likely due to the drought conditions through the summer and fall in the area. Water levels returned to the historical trend in December.
- Well CKL-1 (Overburden): Similar to other wells in the area located in the overburden, CKL-1 experienced new recent lows in September 2025 before returning to the historical trendline in November.

A review of the results described above provides for the following inferences:

- Wells where the 2025 groundwater levels were consistent with historical trends are inferred to be beyond the influence of dewatering activities at the quarry. It is particularly noted that no private wells displayed evidence of quarry impact. Based on the water level monitoring results, drawdown is currently limited to a distance of not more than 150 m from the quarry face (see below comments on OW9).
- Well DW4: Given that this well is located approximately 760 m from the current quarry face, the lower groundwater levels noted during the summer months since 2018 are not considered to be related to quarrying operations but instead seasonal declines during the summer months.
- Well AMx-R: The gradual rise and stabilization of the groundwater levels at this well is attributed to the water level reaching “static” conditions following installation. The relatively long time period for stabilization is assumed to be due to the low conductivity of the surrounding bedrock.
- Well OW9-1 and OW9-2: the decline in water levels at both OW9-1 and OW9-2 is attributed to the on-going dewatering operations at the Site. OW9 was installed after extraction had begun at the quarry and as such there are no pre-extraction water level data. As noted in previous annual PTTW reports, the groundwater levels in OW9-1 and 9-2 began in 2014 and 2015, where the quarry advanced from 230m to 150m away from the well. The groundwater levels started to decline when the quarry face was at approximately 150m from the well. This is consistent with observations of drawdown at other quarries of this rock type. The groundwater level at this location for both OW9-1 and OW9-2 has declined to near or below the bottom of each well’s screen since 2016. It is to be noted that this water level has dropped under the 232.0 masl limit specified in monitoring condition 4.1 since 2015 (Figure 4 and Appendix B). However, this groundwater level in the well appears to be anomalous in this area since the quarry floor depth and sump pump had not reached this depth during this earlier period or had responded from the movement of the quarry sump pump from the Northwest corner to the Southeast corner of the quarry in 2022 suggesting the change in water level at that well is not necessarily responding to quarry dewatering but potentially a response to a change in the bedrock where the deeper screen of OW9-2 is installed in. As a result of this anomalous water level data at OW9-2 and a lack of similar response at the other wells installed in the Bobcaygeon formation (Figure 8) OW9-2 may be screening a fracture that is connected to the quarry excavation in this area.
- Wells OW6-3 and OW8-3: each of these wells are completed in the Gull River Formation, which is located more than 30 m below the current quarry floor. Based on the vertical separation and the presence of (thin) shale and shaley limestone layers within the formation it is assumed that the Gull

River Formation is hydraulically isolated from the quarry dewatering operations and the measured water level fluctuations are unrelated to quarry development.

- Wells located in the overburden: As described prior, during the Summer and Fall of 2025 extended drought conditions were experienced in the area due to minimal rainfall. Wells located in the overburden were the most affected as they are influenced the most from weather and seasonal conditions. Given the recovery late 2025 as temperatures cooled and precipitation increased, as well as dewatering not occurring from June 10th onwards, it is likely that the low water levels experienced were the result of the drought in the area and not from quarry operations.

3.4 Monitoring Condition 4.5 and 4.6: Groundwater Quality

Groundwater quality sampling is typically conducted on a semi-annual basis at both on-Site monitoring wells and off-Site residential wells. No sampling was completed at OW5-2 in 2020 (and until June 2021) as a result of a suspected pipe offset. GIP staff had planned to repair this OW5-2 before the end of 2020, however access to well was limited due to implement weather and repair of OW5-2. The repair was completed in the June 2021 and two samples at OW5-2 were collected in 2022 and continues to be sample on the semi-annual basis in 2025. OW9-1 has been unable to be sampled due to being dry since late 2015 and OW9-2 has had insufficient water column remaining to be sampled on a consistent basis. DW9 was sampled only in Spring to establish baseline chemistry at this location. A summary of the sampled parameters and the wells included in the sampling program are provided in Table 2 below.

Table 2: Groundwater Quality Sampling Program

	Monitoring Locations	Water Quality Parameters
Monitoring Wells	AM1b, AMx, TW1-1, Bored, OW4-1, OW4-2, OW5-1, OW5-2, OW5-3, OW6-2, OW7-1, OW7-2, OW8-1, OW8-2, OW9-1, and OW9-2	pH, alkalinity, bicarbonate, fluoride, chloride, magnesium, calcium, sodium, potassium, ammonia, sulphate, nitrate, nitrite, phosphate, phosphorous, conductivity, DOC, colour, TDS, hardness
Residential Wells	DW1, DW2, DW3, DW9* (Spring only)	pH, alkalinity (CaCO3), bicarbonate, conductivity, fluoride, chloride, nitrate, nitrite, chromium, tannins, sulphate, magnesium, calcium, sodium, potassium, ammonia (N), phosphate, phosphorous, anion sum, cation sum, DOC, colour, turbidity, aluminium, arsenic, barium, boron, cadmium, ion ratio, % difference, copper, iron, lead, manganese, selenium, zinc, hardness (CaCO3), TDS (iron sum calc.), Langelier Index

The laboratory analytical results for the 2025 sampling events are provided in Appendix C, and the results are summarized in Table 4 (Residential Wells) and Table 5 (Monitoring Wells). Tables 4 and 5 provide a comparison of the laboratory results to Ontario Drinking Water Standards (ODWS).

The water quality at residential wells DW1, DW2 and DW3 met the ODWS for the 2025 sampling events for the parameters tested with the exception of total dissolved solids (TDS), Turbidity, and Colour (Spring only) at DW1 and hardness (as $CaCO_3$) at all three locations. None of these exceedances are attributed to the effects of the dewatering activities but are instead considered a reflection of background water quality (see below). Notably for DW1, sampling in the Fall occurred as the well was being used to pump water into another nearby well to refill it, leading to the sample being collected directly from the well through a bailer

instead of an outdoor faucet which may have influenced the chemistry as a result. Initial raw water quality results of DW9 showed similar exceedances of Hardness, TDS, and dissolved Sodium and Chloride.

The water quality at the on-Site monitoring wells for the 2025 sampling events, notably elevated hardness and TDS, was consistent with the pre-quarry conditions (Whitewater Hydrogeology Ltd., 2013). In addition, dissolved sodium and chloride continue to be present in elevated levels across most of the on-Site monitoring wells, with OW8-1 gaining an exceedance in the Fall 2025 sampling. AMx-R also continues to show a decreased pH level compared to the rest of the on-site monitoring wells but did rise to a more neutral pH during the Fall sampling, with sodium and chloride levels lowering with it. Colour levels decreased at OW5-II, OW5-III, OW7-I, and AMx-R compared to historical trends, possibly influenced from the drought conditions experienced in the area lowering the water table. In addition, dissolved Sulphate has remained elevated at OW6-II since 2015.

3.5 Monitoring Condition 4.8 Water Taking Measurements and Reporting

The rate and volume of groundwater extraction and discharge from the quarry are provided to WSP by McCarthy Quarry staff. The pumping records for January 2025 to December 2025 are presented in Table 6. The daily discharge rate (L/min) between January 1, 2025 and December 31, 2025, ranged from 0 to 850,200 L/day (Table 6). These water taking rates were below the permitted rate of 4,545 L/min (6,544,800 L/day). The total volume of water removed (34,008,000 L) was less than the maximum taking of 196,500,000 L/year. Pumping was conducted on a total of 40 days in 2025, which was less than the maximum of 250 days per year. The predicted dewatering activities over the next twelve months are expected to remain either consistent or increase somewhat with those in 2025 due to 2025 being a drought year leading to reduced dewatering after Spring.

The McCarthy Quarry dewatering system includes a sump located in the northwest corner of the quarry floor which collects groundwater and surface water (hereafter referred to as “quarry discharge”) accumulating at the base of the quarry. The sump is equipped with a pump which is rated for a maximum discharge rate of up to 2,100 L/min (35 L/sec) and is attached to a discharge line. On April 11, 2023, GIP staff replaced the pump with a rental from Sunbelt following issues with the previous pump and continues to be used while a permanent replacement is being worked on as previously discussed in section 2.4. This pump is rated for a maximum discharge rate of up to 1417 L/min (24 L/sec) and is attached to the discharge line. The water is pumped from the quarry floor up the quarry face via the discharge line to a 4-inch (101 mm) diameter pipeline that directs the water to a ditch that runs southward through the McCarthy property to the 14,000 m^3 settling pond. Water is pumped from the quarry floor up the quarry face via the discharge line to a pipeline that directs the water to a 14,000 m^3 settling pond (Figure 1). GIP finalized set-up of a new sump location in March 2022 and started utilized this new sump location for pumping in April 2022. The initial sump location was creating operational issues as GIP was not able to properly dewater the southern portion of the quarry. In addition, the previous set up was very inefficient due to the length of piping required from the sump to the horse-shoe shaped settling pond. GIP has also adjusted the discharge piping that runs from the pump to the horse-shoe shaped settling pond. During the winter of 2025 into 2026, the pipeline from the quarry to the settling pond had a break develop due to water freezing in the line. This pipeline was replaced by a similar sized high-density polyethylene fusion welded pipeline with check valves to prevent future issues of freezing. No changes were made to the discharge pond. The settling pond is equipped with a Hickenbottom control structure via which the water discharges to the roadside ditch along Concession Road 1. The water flows eastward along the north side of Concession Road 1 to a municipal drain and eventually discharges to the Talbot River approximately 1.1 km downstream of the Quarry, which eventually discharges into Lake Simcoe.

The proportion of surface water and groundwater contributions to quarry inflow may be inferred by performing a simple water budget. First, the total surface water contribution to the quarry is estimated by calculating the direct surplus contribution over the 16.18 ha quarry area plus the additional contributing runoff from the surrounding 5 ha catchment area (i.e., the stripped area). A surplus value of 501 mm/yr for the quarry footprint and runoff value of 250 mm/yr for the stripped area was applied based on meteorological data from the Meteorological Service of Canada Thornthwaite water budgets (Orillia Brain MET station in Orillia, Ontario between 1993 to 2016).

The volume of water entering the quarry from direct surplus was calculated as 81,061,800 L and the volume of water entering the quarry from surrounding runoff was calculated as 12,500,000 L; thus the total contribution of surface water to the overall water taking was approximately 93,561,800 L. As the total volume of water pumped form the quarry from January 1 to December 31, 2025 was 34,008,000 L, it is inferred that the reduced pumping volumes were due to lower contribution of surface water to the quarry possibly from the area sloping south away from the quarry towards the river and the possibility of a difference in precipitation averages than estimated given that 2025 had extended drought conditions. The change in pumping rates and volumes from the new sump location will continue to be evaluated based on future monitoring at this stage.

3.6 Condition 4.11 Publicly Accessible Internet Site

The water quality and quantity monitoring data that is required by the PTTW is available at: McCarthy Quarry – Green Infrastructure Partners (gipi.com)

3.7 Condition 4.12 Public Liaison Committee

A Public Liaison Committee has been maintained and two meetings in February and October, 2025 were held.

4.0 CONCLUSIONS

Based on the 2025 Monitoring Program established under PTTW No. 0721-DDKR57, the following is concluded:

- In 2025, most of the monitoring wells displayed a pattern of rising groundwater levels through the spring period with subsequent decline in the summer into early fall. This pattern is consistent with historical trends at the Site. However, due to drought conditions in the region from Summer into Fall, wells in the area experienced greater decline then historical trends but did recover to the historical levels near the end of 2025 after the drought was over. This suggests the lower groundwater levels in 2025 were due to the effects of the drought and not quarry operations.
- Wells where the 2025 groundwater levels were consistent with historical trends are inferred to be beyond the influence of dewatering activities at the quarry. It is particularly noted that no private wells displayed evidence of quarry impact. Based on the water level monitoring results, observable drawdown is currently limited to a distance of not more than 150 m from the quarry face.
- The daily discharge rate between January 1, 2025 and December 31, 2025, ranged from 0 to 850,200 L/day, which is below the permitted rate of 6,544,800 L/day. The total volume of water removed (34,008,000 L) was less than the maximum taking of 196,500,000 L/year.

5.0 LIMITATIONS AND USE OF REPORT

The services performed as described in this report were conducted in a manner consistent with the level of care and skill normally exercised by other members of the engineering and science professions currently practicing under similar conditions, subject to the time limits and financial and physical constraints applicable to the services.

Any use which a third party makes this report, or any reliance on, or decisions to be made based on it, are the responsibilities of such third parties. WSP accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

This report is based on data and information collected during the hydrogeological and hydrological assessment of the Site conducted by WSP. The assessment is based solely on the Site conditions encountered at the time of the assessment, supplemented by other information and data obtained by WSP as described in this report. No assurance is made regarding changes in conditions at the Site subsequent to the time of the assessment. Furthermore, and as with all subsurface investigations, this study necessarily utilizes information at a relatively small number of discrete locations (for example, monitoring wells) to infer geologic and groundwater conditions across the Site and for areas where no such information exists.

In evaluating the Site, WSP has, in part, relied in good faith on information provided by GIP and their agents. WSP has assumed that the information is factual and accurate. No responsibility is accepted by WSP for any deficiencies, misstatements or inaccuracies contained in this report as a result of errors, omissions, misinterpretations or misrepresentations related to the information provided by GIP and their agents.

6.0 CLOSURE

In closure, we recommend that the groundwater monitoring continue as outlined in PTTW No. 0721-DDKR57. We trust that this report meets your needs at the present time. If you have any questions or require clarification, please do not hesitate to contact the undersigned.

Signature Page

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https://wsponlinecan.sharepoint.com/sites/ca-ca0052306.5688/shared documents/06. deliverables/pttw 2025 annual/ca0052306.5688-r-rev0-2025 pttw annual report-27feb2026.docx

Tables

Well	Unit	Elevation (masl)	Stick up (m)	24-Jan-25	04-Feb-25	28-Mar-25	25-Apr-25	07-May-25	17-Jun-25	10-Jul-25	29-Aug-25	23-Sep-25	15-Oct-25	21-Nov-25	11-Dec-25
				Water Levels (mbgl)											
DW3	Verulam	246.52	0.46	2.38	2.64	2.29	2.01	4.32	3.91	3.06	3.96	4.10	4.34	3.14	Snowbound
OW4-1	Verulam	249.57	0.88	3.15	3.27	3.14	3.02	3.05	3.23	3.58	4.42	4.53	4.82	4.12	3.78
OW4-2	Bobcaygeon	249.62	0.86	3.19	3.29	3.25	3.04	3.08	3.25	3.58	4.45	4.55	4.78	4.15	3.72
Bored	Overburden	248.86	0.66	0.60	0.62	0.50	0.53	0.55	1.06	1.46	3.08	3.41	3.67	2.49	1.68
OW6-1	Verulam	247.60	0.61	1.43	1.54	1.41	1.31	1.35	1.53	1.86	2.75	2.85	3.05	2.44	2.09
OW6-2	Bobcaygeon	247.52	0.53	2.11	2.10	1.80	1.63	1.67	2.05	2.34	2.80	2.89	2.97	2.56	2.47
OW6-3	Gull River	247.46	0.47	3.23	3.38	3.24	3.14	3.11	3.06	3.05	3.06	3.01	3.01	3.10	3.15
DW4	Overburden	250.19	0.24	Lid Frozen	3.68	1.30	0.84	1.10	1.70	2.57	6.40	3.71	5.65	1.89	3.26
DW1	Overburden	249.83	0.3	Lid Frozen	3.66	0.76	0.83	1.07	1.25	1.50	3.73	4.02	4.21	3.99	1.82
OW5-1	Overburden	249.84	0.8	0.79	0.85	0.77	0.82	0.79	1.21	1.60	3.32	3.68	3.91	2.70	1.76
OW5-2	Bobcaygeon	249.76	1.0	-0.22	Frozen	-0.23	-0.09	-0.37	0.18	0.53	1.69	2.00	1.11	0.77	0.33
OW5-3	Bobcaygeon	249.70	1.0	Frozen	-0.02	-0.29	-0.33	-0.31	0.20	0.34	1.50	1.72	1.77	0.81	0.33
DW2	Overburden	247.50	0.8	Lid Frozen	Lid Frozen	0.96	1.01	1.04	1.45	1.98	3.61	4.00	4.24	3.23	Lid Frozen
DW7	Overburden	246	0.32	0.80	1.03	0.54	0.56	0.78	1.48	1.66	3.53	3.08	3.49	2.33	Bimonthly
DW8	Overburden	246	0.4	3.58	Snowbound	2.98	3.17	3.16	3.82	4.00	4.37	4.39	4.23	3.92	Bimonthly
DW6	Overburden	245	0.5	1.79	2.05	1.56	1.42	1.57	2.07	2.00	2.55	3.46	3.88	4.02	Bimonthly
OW7-1	Verulam	249.80	0.62	Frozen	Frozen	Flowing	At Surface	At Surface	-0.05	0.48	1.64	1.76	1.92	0.36	At Surface
OW7-2	Bobcaygeon	249.78	0.61	Frozen	Frozen	Flowing	At Surface	At Surface	0.38	0.89	2.63	3.13	3.40	1.00	At Surface
OW7-3	Gull River	249.74	0.61	2.53	2.55	2.61	2.67	2.71	2.87	3.08	4.11	4.26	4.54	4.53	3.48
OW8-1	Verulam	251.47	0.76	0.33	0.41	0.05	-0.02	0.07	1.22	2.13	3.25	3.06	3.06	1.64	0.89
OW8-2	Bobcaygeon	251.44	0.83	0.06	0.19	-0.11	-0.21	-0.14	Dry	Dry	Dry	Dry	Dry	Dry	0.62
OW8-3	Gull River	251.40	0.8	7.24	7.12	7.80	7.57	7.61	7.74	8.19	8.08	8.08	8.14	8.37	8.00
TW1-1	Bobcaygeon	254.10	0.6	3.52	3.68	3.35	3.27	3.77	4.43	5.53	7.00	7.36	7.70	5.17	4.11
TW1-2	Precambrian	254.10	0.52	9.64	9.60	9.56	9.84	11.80	9.76	9.75	10.11	10.37	12.69	10.57	10.21
OW9-1	Bobcaygeon	253.40	0.41	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
OW9-2	Bobcaygeon	253.31	0.35	23.83	23.86	23.82	23.85	23.86	23.89	23.75	23.90	23.92	23.95	23.71	23.75
CKL-1	Verulam	244	0.6	0.61	0.55	0.61	0.77	0.61	1.71	1.82	Ants	2.44	2.36	1.77	1.76
CKL-2	Bobcaygeon	244	0.65	Frozen	Frozen	-0.33	-0.33	-0.30	0.00	0.15	Ants	0.69	0.77	-0.09	Cap Frozen
AM1b	Overburden	249.45	0.2	3.74	3.85	3.82	3.60	3.80	4.14	4.38	5.06	5.15	5.30	4.75	4.28
AMX-R	Verulam	249.68	0.28	3.74	3.85	3.82	3.60	3.80	4.14	4.38	5.06	5.15	5.30	4.75	4.28
DW9		246.00	0.6					1.77					2.51		

Notes:

1. Highlighted cells represent groundwater measurements in terms of meters above sea level (masl)

2. Not Accessible (NA)

3. Not Measured (NM)

		Sample	DW1								
		Date	21-Oct-21	13-May-22	28-Oct-22	23-May-23	16-Oct-23	16-May-24	22-Oct-24	07-May-25	15-Oct-25
		ODWS									
Anion Sum	Sum		13.4	x[1]	15.30	13.00	14.80	11.90	13.60	11.20	10.20
Bicarb. Alkalinity (calc. as CaCO3)	mg/L		330	330.00	340.00	330.00	340.00	350.00	350.00	340.00	340.00
Calculated TDS	mg/L	**500 (AO)**	**730**	x[1]	**850.00**	**720.00**	**820.00**	**650.00**	**740.00**	**610.00**	**540.00**
Cation Sum	Sum		13.7	x[1]	16.80	14.10	15.90	12.70	14.10	11.70	10.20
Hardness (CaCO3)	mg/L	**80-100 (OG)**	**570**	**580.00**	**690.00**	**590.00**	**650.00**	**510.00**	**570.00**	**460.00**	**400.00**
Ion Balance (% Difference)	%		1.29	x[1]	4.68	4.29	3.38	3.50	1.85	2.27	0.04
Langelier Index (@ 20C)	NA		1.20	x[1]	0.86	1.01	0.81	1.05	1.03	0.96	0.92
Langelier Index (@ 4C)	NA		0.949	x[1]	0.62	0.76	0.56	0.80	0.78	0.71	0.67
Saturation pH (@ 20C)	NA		6.74	x[1]	6.68	6.73	6.70	6.76	6.75	6.83	6.90
Saturation pH (@ 4C)	NA		6.99	x[1]	6.92	6.98	6.95	7.01	6.99	7.08	7.14
Total Ammonia-N	mg/L		<0.050	<0.050	<0.050	<0.050	<0.050	0.13	<0.050	<0.050	<0.050
Colour	TCU	**5 (AO)**	<2	<2	<2	<2	<2	<2	<2	**9.00**	<2
Conductivity	uS/cm		1400	1500.00	1500	1400.00	1600.00	1200.00	1400.00	1200.00	1000.00
Fluoride (F-)	mg/L	**1.5**	<0.10	<0.10	<0.10	0.10	<0.10	<0.10	0.13	<0.10	0.11
Dissolved Organic Carbon	mg/L	**5 (AO)**	1.1	1.5	1.4	1.40	1.10	1.50	1.30	1.20	0.84
Orthophosphate (P)	mg/L		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
pH	units	**6.5-8.5 (OG)**	7.94	7.55	7.54	7.74	7.51	7.81	7.77	7.78	7.81
Dissolved Sulphate (SO4)	mg/L	**500 (AO)**	30	28	32	25.00	28.00	25.00	35.00	30.00	29.00
Tannins & Lignins	mg/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Turbidity	NTU	**5**	0.3	0.1	0.2	1.10	0.20	0.50	0.30	1.30	**19.00**
Alkalinity (Total as CaCO3)	mg/L	**30-500 (OG)**	330	330	340	330.00	350.00	350.00	350.00	340.00	340.00
Dissolved Chloride (Cl)	mg/L	**250 (OG)**	220	**250**	**270**	210.00	**260.00**	160.00	210.00	130.00	100.00
Nitrite (N)	mg/L	**1**	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Nitrate (N)	mg/L	**10**	0.25	0.29	0.23	0.18	0.10	0.14	0.25	0.18	<0.10
Nitrate + Nitrite	mg/L	**10**	0.25	0.29	0.23	0.18	0.10	0.14	0.25	0.18	<0.10
Dissolved Aluminum (Al)	mg/L	**0.1 (OG)**	<0.0049	<0.0049	0.01	<0.0049	<0.0049	<0.0049	<0.0049	0.01	<0.0049
Dissolved Antimony (Sb)	ug/L	**6**	<0.50	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50	<0.50
Dissolved Arsenic (As)	ug/L	**25**	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0
Dissolved Barium (Ba)	ug/L	**1000**	190	180	210	190.00	210.00	150.00	180.00	140.00	150.00
Dissolved Beryllium (Be)	ug/L		<0.40	<0.40	<0.40	<0.4	<0.40	<0.40	<0.40	<0.40	<0.40
Dissolved Boron (B)	ug/L	**5000**	41	22	48	55.00	41.00	35.00	54.00	31.00	38.00
Dissolved Cadmium (Cd)	ug/L	**5**	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090
Dissolved Calcium (Ca)	mg/L		180.00	170.00	210.00	180.00	190.00	160.00	160.00	130.00	110.00
Dissolved Chromium (Cr)	ug/L	**50**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dissolved Cobalt (Co)	ug/L		<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Copper (Cu)	ug/L	**1000 (AO)**	43	39	25	36.00	25.00	26.00	38.00	2.40	1.40
Dissolved Iron (Fe)	mg/L	**0.3 (AO)**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dissolved Lead (Pb)	ug/L	**10**	<0.50	<0.50	<0.50	<0.5	<0.5	<0.50	<0.5	<0.50	<0.50
Dissolved Magnesium (Mg)	mg/L		33.00	30.00	42.00	34.00	40.00	28.00	39.00	31.00	28.00
Dissolved Manganese (Mn)	ug/L	**50 (AO)**	44	20	35	20.00	70.00	77.00	7.90	12.00	26.00
Dissolved Molybdenum (Mo)	ug/L		<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.5	0.66	<0.50
Dissolved Nickel (Ni)	ug/L		1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.10	<1.0
Dissolved Phosphorus (P)	mg/L		<0.1	<0.1	0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dissolved Potassium (K)	mg/L		2.10	1.50	2.20	1.80	2.20	1.90	2.60	2.30	2.20
Dissolved Selenium (Se)	ug/L	**50**	<2.0	<2.0	<2.0	<2	<2.0	<2.0	<2.0	<2.0	<2.0
Dissolved Silicon (Si)	mg/L		8.50	6.60	9.80	7.50	9.10	7.40	9.70	8.20	9.00
Dissolved Silver (Ag)	ug/L		<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090
Dissolved Sodium (Na)	mg/L	**200 (OG)**	51.00	44.00	66.00	51.00	66.00	58.00	60.00	56.00	51.00
Dissolved Strontium (Sr)	mg/L		0.61	0.56	0.67	0.64	0.67	0.52	0.62	0.56	0.50
Dissolved Thallium (Tl)	mg/L		<0.00005	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Dissolved Titanium (Ti)	ug/L		<5.0	<5.0	<5.0	<5	<5.0	<5.0	<5.0	<5.0	<5.0
Dissolved Uranium (U)	mg/L	**0.02**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Vanadium (V)	ug/L		<0.50	<0.50	<0.50	<0.5	<0.5	<0.50	<0.50	<0.50	<0.50
Dissolved Zinc (Zn)	ug/L	**5000 (AO)**	34	20	10	26.00	17.00	22.00	16.00	<5.0	<5.0

Notes:
AO: aesthetic objective
OG: operational guideline
x[1] Broken bottle during transport

		Sample	DW2								
		Date	21-Oct-21	13-May-22	28-Oct-22	23-May-23	16-Oct-23	16-May-24	22-Oct-24	07-May-25	15-Oct-25
		ODWS									
Anion Sum	Sum		8.49	8.5	9.04	6.84	6.61	7.48	6.9	6.01	8.35
Bicarb. Alkalinity (calc. as CaCO3)	mg/L		370	360	330	310	300	350	310	340	330
Calculated TDS	mg/L	**500 (AO)**	450	450	500	380	360	400	410	310	440
Cation Sum	Sum		8.46	8.73	9.93	7.77	7.4	7.98	8.87	6.02	8.14
Hardness (CaCO3)	mg/L	**80-100 (OG)**	**380**	**390**	**450**	**350**	**340**	**370**	**350**	**280**	**370**
Ion Balance (% Difference)	%		0.160	1.36	4.68	6.35	5.64	3.23	12.5	0.07	1.23
Langelier Index (@ 20C)	NA		1.02	0.969	0.987	1.06	0.913	1.07	1.13	0.775	0.925
Langelier Index (@ 4C)	NA		0.771	0.720	0.740	0.814	0.665	0.818	0.879	0.526	0.677
Saturation pH (@ 20C)	NA		6.79	6.77	6.83	6.86	6.91	6.8	6.9	6.97	6.93
Saturation pH (@ 4C)	NA		7.04	7.02	7.08	7.11	7.16	7.05	7.15	7.22	7.18
Total Ammonia-N	mg/L		<0.050	<0.050	<0.050	<0.050	<0.050	0.17	<0.050	<0.050	<0.050
Colour	TCU	**5 (AO)**	3	2	<2	3	<2	2	<2	**13**	<2
Conductivity	uS/cm		760	800	780	670	620	670	650	560	760
Fluoride (F-)	mg/L	**1.5**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.1
Dissolved Organic Carbon	mg/L	**5 (AO)**	2.8	3.2	1.8	2.6	1.6	2.7	2.1	2.5	1.8
Orthophosphate (P)	mg/L		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.022	<0.010	<0.010
pH	units	**6.5-8.5 (OG)**	7.81	7.74	7.82	7.93	7.82	7.86	8.03	7.75	7.85
Dissolved Sulphate (SO4)	mg/L	**500 (AO)**	26	28	68	16	13	16	14	9.8	49
Tannins & Lignins	mg/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Turbidity	NTU	**5**	0.3	0.3	0.8	0.3	0.2	0.2	1.6	1	0.3
Alkalinity (Total as CaCO3)	mg/L	**30-500 (OG)**	370	360	330	310	300	350	310	290	330
Dissolved Chloride (Cl)	mg/L	**250 (OG)**	17	23	35	8.4	9.4	4.8	12	2.7	25
Nitrite (N)	mg/L	**1**	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Nitrate (N)	mg/L	**10**	<0.10	<0.10	0.19	0.16	0.18	0.43	0.16	0.36	0.68
Nitrate + Nitrite	mg/L	**10**	<0.10	<0.10	0.19	0.16	0.18	0.43	0.16	0.36	0.68
Dissolved Aluminum (Al)	mg/L	**0.1 (OG)**	<0.0049	<0.0049	0.007	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049
Dissolved Antimony (Sb)	ug/L	**6**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Arsenic (As)	ug/L	**25**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dissolved Barium (Ba)	ug/L	**1000**	71	66	86	59	53	59	52	43	100
Dissolved Beryllium (Be)	ug/L		<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Dissolved Boron (B)	ug/L	**5000**	22	27	19	42	23	25	35	17	23
Dissolved Cadmium (Cd)	ug/L	**5**	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090
Dissolved Calcium (Ca)	mg/L		120	130	130	120	110	130	110	99	100
Dissolved Chromium (Cr)	ug/L	**50**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dissolved Cobalt (Co)	ug/L		<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Copper (Cu)	ug/L	**1000 (AO)**	1.7	1.3	2.4	2.7	1.5	1.9	5.4	1	3.3
Dissolved Iron (Fe)	mg/L	**0.3 (AO)**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dissolved Lead (Pb)	ug/L	**10**	<0.50	<0.50	<0.50	<0.5	<0.50	<0.50	5.1	<0.50	<0.50
Dissolved Magnesium (Mg)	mg/L		16	15	29	12	15	11	17	8.1	27
Dissolved Manganese (Mn)	ug/L	**50 (AO)**	5.1	19	50	8.8	13	11	7.5	2.6	3.5
Dissolved Molybdenum (Mo)	ug/L		<0.50	<0.50	0.56	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Nickel (Ni)	ug/L		<1.0	<1.0	1.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dissolved Phosphorus (P)	mg/L		<0.1	<0.1	0.11	<0.1	<0.1	<0.1	5.1	<0.1	<0.1
Dissolved Potassium (K)	mg/L		7.9	7.2	5.9	7.7	4.9	6.7	6.8	4.7	4.3
Dissolved Selenium (Se)	ug/L	**50**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Dissolved Silicon (Si)	mg/L		5.9	4.2	7.7	3.46	6.4	4.3	7.2	3.5	6.8
Dissolved Silver (Ag)	ug/L		<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090
Dissolved Sodium (Na)	mg/L	**200 (OG)**	17	15	19	14	13	11	40	6.5	15
Dissolved Strontium (Sr)	mg/L		0.33	0.34	0.44	0.37	0.3	0.3	0.33	0.24	0.36
Dissolved Thallium (Tl)	mg/L		<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.0005	<0.050	<0.050
Dissolved Titanium (Ti)	ug/L		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dissolved Uranium (U)	mg/L	**0.02**	0.00034	0.00036	0.00072	0.0003	0.00033	<0.0005	0.00023	0.00021	0.0009
Dissolved Vanadium (V)	ug/L		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Zinc (Zn)	ug/L	**5000 (AO)**	5.4	<5.0	11	13	6.1	<5.0	16	<5.0	<5.0

Notes:
AO: aesthetic objective
OG: operational guideline
x^1 Broken bottle during transport

		Sample	MOE 5727662 (DW3)							
		Date	13-May-22	28-Oct-22	23-May-23	16-Oct-23	16-May-24	22-Oct-24	07-May-25	15-Oct-25
		ODWS								
Anion Sum	Sum		8.69	8.81	8.03	8.21	8.15	8.08	7.95	9.5
Bicarb. Alkalinity (calc. as CaCO3)	mg/L		220	240	230	230	230	230	240	230
Calculated TDS	mg/L	**500 (AO)**	480	490	450	450	450	440	440	**520**
Cation Sum	Sum		9.2	9.58	8.55	8.63	8.55	8.25	8.3	9.7
Hardness (CaCO3)	mg/L	**80-100 (OG)**	**200**	**190**	**180**	**190**	**190**	**170**	**180**	**190**
Ion Balance (% Difference)	%		2.88	4.19	3.15	2.45	2.39	1	2.15	1.07
Langelier Index (@ 20C)	NA		0.426	0.574	0.624	0.41	0.571	0.573	0.471	0.523
Langelier Index (@ 4C)	NA		0.178	0.326	0.376	0.162	0.322	0.325	0.222	0.276
Saturation pH (@ 20C)	NA		7.59	7.56	7.58	7.59	7.57	7.6	7.59	7.58
Saturation pH (@ 4C)	NA		7.83	7.81	7.83	7.83	7.82	7.85	7.84	7.83
Total Ammonia-N	mg/L		0.42	0.31	0.41	0.12	<0.050	0.39	0.38	<0.050
Colour	TCU	**5 (AO)**	<2	<2	<2	<2	<2	<2	**11**	<2
Conductivity	uS/cm		930	890	880	860	850	840	850	1000
Fluoride (F-)	mg/L	**1.5**	0.75	0.80	0.75	0.7	0.76	0.81	0.69	0.71
Dissolved Organic Carbon	mg/L	**5 (AO)**	<0.4	0.51	0.55	0.51	0.52	0.78	0.54	0.49
Orthophosphate (P)	mg/L		<0.010	<0.010	<0.010	<0010	<0.010	<0.010	<0.010	<0.010
pH	units	**6.5-8.5 (OG)**	8.01	8.14	8.21	8	8.14	8.18	8.06	8.11
Dissolved Sulphate (SO4)	mg/L	**500 (AO)**	4.7	2.5	4.6	2.5	5.3	1.8	3.3	2.5
Tannins & Lignins	mg/L		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Turbidity	NTU	**5**	0.4	0.3	0.6	0.2	0.4	<0.1	<0.1	<0.1
Alkalinity (Total as CaCO3)	mg/L	**30-500 (OG)**	220	240	230	230	230	230	240	230
Dissolved Chloride (Cl)	mg/L	**250 (OG)**	140	140	120	120	120	120	110	170
Nitrite (N)	mg/L	**1**	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Nitrate (N)	mg/L	**10**	<0.10	<0.10	<0.10	<0.1	<0.10	<0.10	<0.10	<0.10
Nitrate + Nitrite	mg/L	**10**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.1	<0.10	<0.10
Dissolved Aluminum (Al)	mg/L	**0.1 (OG)**	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049
Dissolved Antimony (Sb)	ug/L	**6**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Arsenic (As)	ug/L	**25**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dissolved Barium (Ba)	ug/L	**1000**	210	220	200	200	200	190	200	230
Dissolved Beryllium (Be)	ug/L		<0.40	<0.40	<0.4	<0.40	<0.40	<0.40	<0.40	<0.40
Dissolved Boron (B)	ug/L	**5000**	750	870	880	770	750	820	790	810
Dissolved Cadmium (Cd)	ug/L	**5**	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090
Dissolved Calcium (Ca)	mg/L		34	33	33	32	33	31	31	33
Dissolved Chromium (Cr)	ug/L	**50**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dissolved Cobalt (Co)	ug/L		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Copper (Cu)	ug/L	**1000 (AO)**	0.94	1.8	1.6	<0.90	<0.90	0.9	2.8	17
Dissolved Iron (Fe)	mg/L	**0.3 (AO)**	<0.1	<0.1	0.13	<0.1	<0.1	<0.1	<0.1	<0.1
Dissolved Lead (Pb)	ug/L	**10**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Magnesium (Mg)	mg/L		27	25	25	26	26	22	25	26
Dissolved Manganese (Mn)	ug/L	**50 (AO)**	5.2	3.6	5	4.8	6.5	5	6	<2.0
Dissolved Molybdenum (Mo)	ug/L		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Nickel (Ni)	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dissolved Phosphorus (P)	mg/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dissolved Potassium (K)	mg/L		7.3	7.6	6.8	6.7	7.2	7.1	7.3	7.2
Dissolved Selenium (Se)	ug/L	**50**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Dissolved Silicon (Si)	mg/L		5.5	5.8	5.8	5.4	6.1	5.2	5.9	5.1
Dissolved Silver (Ag)	ug/L		<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090
Dissolved Sodium (Na)	mg/L	**200 (OG)**	120	130	110	110	110	110	100	130
Dissolved Strontium (Sr)	mg/L		2.4	2.5	2.3	2.4	2.2	2.1	2.3	2.6
Dissolved Thallium (Tl)	mg/L		<0.000050	<0.000050	<0.00005	<0.00005	<0.00005	<0.0005	<0.0005	<0.0005
Dissolved Titanium (Ti)	ug/L		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dissolved Uranium (U)	mg/L	**0.02**	<0.00010	<0.00010	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Dissolved Vanadium (V)	ug/L		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dissolved Zinc (Zn)	ug/L	**5000 (AO)**	5.1	41	13	7.2	6.4	220	51	360

Notes:
AO: aesthetic objective
OG: operational guideline
x[1] Broken bottle during transport

		Sample	DW9	
		Date	07-May-25	
		ODWS		
Anion Sum	Sum		15.5	
Bicarb. Alkalinity (calc. as CaCO3)	mg/L		240	
Calculated TDS	mg/L	500 (AO)	**890**	
Cation Sum	Sum		17.1	
Hardness (CaCO3)	mg/L	80-100 (OG)	**390**	
Ion Balance (% Difference)	%		0.66	
Langelier Index (@ 20C)	NA		0.414	
Langelier Index (@ 4C)	NA		0.66	
Saturation pH (@ 20C)	NA		0.414	
Saturation pH (@ 4C)	NA		7.15	
Total Ammonia-N	mg/L		7.4	
Colour	TCU	5 (AO)	**2**	
Conductivity	uS/cm		1700	
Fluoride (F-)	mg/L	1.5	0.52	
Dissolved Organic Carbon	mg/L	5 (AO)	1.5	
Orthophosphate (P)	mg/L		<0.010	
pH	units	6.5-8.5 (OG)	7.81	
Dissolved Sulphate (SO4)	mg/L	500 (AO)	20	
Tannins & Lignins	mg/L		<0.2	
Turbidity	NTU	5	1.6	
Alkalinity (Total as CaCO3)	mg/L	30-500 (OG)	240	
Dissolved Chloride (Cl)	mg/L	250 (OG)	**360**	
Nitrite (N)	mg/L	1	<0.010	
Nitrate (N)	mg/L	10	<0.10	
Nitrate + Nitrite	mg/L	10	<0.10	
Dissolved Aluminum (Al)	mg/L	0.1 (OG)	0.0049	
Dissolved Antimony (Sb)	ug/L	6	<0.50	
Dissolved Arsenic (As)	ug/L	25	<1.0	
Dissolved Barium (Ba)	ug/L	1000	10	
Dissolved Beryllium (Be)	ug/L		<0.40	
Dissolved Boron (B)	ug/L	5000	430	
Dissolved Cadmium (Cd)	ug/L	5	<0.090	
Dissolved Calcium (Ca)	mg/L		98	
Dissolved Chromium (Cr)	ug/L	50	<5.0	
Dissolved Cobalt (Co)	ug/L		<0.50	
Dissolved Copper (Cu)	ug/L	1000 (AO)	<0.90	
Dissolved Iron (Fe)	mg/L	0.3 (AO)	<0.1	
Dissolved Lead (Pb)	ug/L	10	<0.50	
Dissolved Magnesium (Mg)	mg/L		35	
Dissolved Manganese (Mn)	ug/L	50 (AO)	7.6	
Dissolved Molybdenum (Mo)	ug/L		<0.50	
Dissolved Nickel (Ni)	ug/L		<1.0	
Dissolved Phosphorus (P)	mg/L		<0.1	
Dissolved Potassium (K)	mg/L		8	
Dissolved Selenium (Se)	ug/L	50	<2.0	
Dissolved Silicon (Si)	mg/L		3.6	
Dissolved Silver (Ag)	ug/L		<0.090	
Dissolved Sodium (Na)	mg/L	200 (OG)	**210**	
Dissolved Strontium (Sr)	mg/L		4.5	
Dissolved Thallium (Tl)	mg/L		<0.050	
Dissolved Titanium (Ti)	ug/L		<5.0	
Dissolved Uranium (U)	mg/L	0.02	<0.0001	
Dissolved Vanadium (V)	ug/L		<0.50	
Dissolved Zinc (Zn)	ug/L	5000 (AO)	<5.0	

Notes:
AO: aesthetic objective
OG: operational guideline
x^1 Broken bottle during transport

		Sample	AM1B										BORED WELL									
		Date	06-May-21	21-Oct-21	13-Jun-22	28-Oct-22	23-May-23	16-Oct-23	16-May-24	22-Oct-24	07-May-25	15-Oct-25	06-May-21	21-Oct-21	13-Jun-22	28-Oct-22	23-May-23	16-Oct-23	16-May-24	22-Oct-24	07-May-25	15-Oct-25
Parameter	Units	ODWS																				
Bicarb. Alkalinity (calc. as $CaCO_3$)	mg/L		220	250	240	280	230	270	260	240	250	280	270	230	250	270	260	240	280	270	310	280
Total Ammonia-N	mg/L		<0.050	0.19	0.096	0.094	0.190	0.084	0.064	0.100	<0.050	0.068	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.078	<0.050	<0.050
Colour	TCU	**5 (AO)**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Conductivity	uS/cm		496	448	520	550	500	570	550	530	530	590	551	461	530	550	540	510	580	570	610	570
Total Dissolved Solids	mg/L	**500 (AO)**	300	320	310	350	300	340	320	310	310	340	320	290	310	350	320	310	340	350	320	340
Fluoride (F-)	mg/L	**1.5**	0.21	0.24	0.23	0.20	0.20	0.21	0.19	0.22	0.24	0.18	0.15	0.13	0.12	0.14	0.11	0.12	0.13	0.12	0.13	0.11
Dissolved Organic Carbon	mg/L	**5 (AO)**	0.62	0.80	0.75	0.81	0.69	0.62	0.74	0.74	0.73	0.84	1.0	1.1	1.0	0.98	1.0	1.10	1.10	1.40	0.99	1.30
Hardness	mg/L	**80-100 (OG)**	**250**	**260**	**270**	**320**	**250**	**310**	**290**	**270**	**270**	**320**	**270**	**220**	**260**	**300**	**260**	**240**	**290**	**290**	**320**	**280**
Phosphate	mg/L		<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	<0.010	0.016	<0.010	0.03
pH	units	**6.5-8.5 (OG)**	8.09	7.90	7.91	7.96	8.12	7.99	8.03	8.05	7.92	7.81	8.18	8.24	8.02	8.12	8.22	8.27	8.02	8.26	8.08	8.12
Dissolved Sulphate (SO_4)	mg/L	**500 (AO)**	43	43	39	33	47	36	35	41	37	34	31	28	32	32	36	30	29	31	28	30
Alkalinity (Total as $CaCO_3$)	mg/L	**30-500 (OG)**	220	250	240	280	230	280	260	240	250	290	270	240	260	280	270	250	290	280	310	280
Dissolved Chloride (Cl)	mg/L	**250 (AO)**	1.8	2.2	1.7	1.8	<1.0	<1.0	<1.0	1.6	1.4	<1.0	2.5	2.4	1.6	1.7	<1.0	<1.0	<1.0	2.1	1.5	1.7
Nitrite (N)	mg/L	**1**	0.010	0.023	<0.010	<0.010	<0.010	0.013	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.10	<0.10	<0.010	<0.010
Nitrate (N)	mg/L	**10**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.22	0.35	0.24	0.18	0.18	0.27	0.18	0.34	0.20	0.32
Nitrate + Nitrite	mg/L	**10**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.22	0.35	0.24	0.18	0.18	0.27	0.18	0.34	0.20	0.32
Dissolved Calcium (Ca)	mg/L		49	52	53	67	50	63	60	55	54	68	62	47	58	69	60	54	68	67	74	67
Dissolved Magnesium (Mg)	mg/L		32	32	33	37	30	41	34	34	34	36	29	25	27	31	27	27	29	29	32	29
Dissolved Phosphorus (P)	mg/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.3	<0.1	<0.1
Dissolved Potassium (K)	mg/L		2.3	2.4	2.3	2.6	2.1	2.5	2.3	2.4	2.3	2.6	5.4	8.7	4.7	0.11	4.3	8.10	4.20	6.00	3.80	5.20
Dissolved Sodium (Na)	mg/L	**200 (AO)**	6.8	7.0	6.2	5.9	5.9	6.1	5.2	6.4	6.0	5.2	13	21	14	20	14	20	16	24	13	17

Notes:
AO: aesthetic objective
OG: operational guideline
Exceedances of the OWDS (operational guidelines excluded) are shown in bold.

		Sample	OW4-I										OW4-II									
		Date	06-May-21	21-Oct-21	13-Jun-22	28-Oct-22	23-May-23	16-Oct-23	16-May-24	22-Oct-24	07-May-25	15-Oct-25	06-May-21	30-Oct-21	13-Jun-22	28-Oct-22	23-May-23	16-Oct-23	16-May-24	22-Oct-24	07-May-25	15-Oct-25
Parameter	Units	ODWS																				
Bicarb. Alkalinity (calc. as $CaCO_3$)	mg/L		220	260	240	220	210	260	230	210	190	260	250	250	250	240	240	250	240	250	250	260
Total Ammonia-N	mg/L		1.2	1.2	1.0		0.7	1.6	1.5	0.8	0.6	1.1	0.95	0.94	0.95	1.30	1.10	1.20	1.10	1.20	0.97	1.10
Colour	TCU	**5 (AO)**	<2	<2	<2	<2	<2	4	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Conductivity	uS/cm		1220	1160	1200	1200	1100	1300	1400	1400	1200	1500	1470	1280	1400	1700	1700	1800	1600	1700	1400	1700
Total Dissolved Solids	mg/L	**500 (AO)**	**630**	**670**	**640**	**630**	**590**	**730**	**750**	**730**	**580**	**760**	**780**	**770**	**710**	**960**	**850**	**920**	**840**	**900**	**720**	**860**
Fluoride (F-)	mg/L	**1.5**	1.1	1.1	1.2	1.1	1.0	0.9	1.0	1.0	1.1	1.0	1.0	1.0	1.2	0.95	1.0	0.95	0.98	0.93	1.10	0.94
Dissolved Organic Carbon	mg/L	**5 (AO)**	1.1	2.0	1.5	1.3	1.8	1.8	1.2	1.5	1.6	1.3	1.1	0.97	1.3	1.10	1.2	1.10	1.00	1.20	1.10	1.10
Hardness	mg/L	**80-100 (OG)**	**150**	**150**	**140**	**130**	**110**	**140**	**170**	**170**	**120**	**170**	**200**	**200**	**170**	**280**	**220**	**250**	**220**	**250**	**180**	**230**
Phosphate	mg/L		<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	<0.010	<0.010	<0.010	<0.010
pH	units	**6.5-8.5 (OG)**	8.51	8.22	8.23	8.24	8.23	8.27	8.12	7.93	8.16	8	8.13	8.07	8.00	8.05	8.00	8.00	8.00	7.87	8.08	7.90
Dissolved Sulphate (SO_4)	mg/L	**500 (AO)**	2.7	2.9	1.3	13.0	5.4	9.5	14.0	7.6	2.6	5.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Alkalinity (Total as $CaCO_3$)	mg/L	**30-500 (OG)**	220	260	240	220	210	260	230	210	190	270	250	250	250	240	250	250	240	250	250	260
Dissolved Chloride (Cl)	mg/L	**250 (AO)**	230	230	240	230	220	**250**	**290**	**280**	220	**290**	**310**	**300**	**270**	**410**	**370**	**390**	**350**	**370**	**270**	**360**
Nitrite (N)	mg/L	**1**	<0.010	0.025	<0.010	0.016	0.033	0.065	<0.010	<0.010	<0.023	<0.010	<0.010	<0.010	<0.010	0.052	0.041	0.029	<0.010	<0.010	<0.010	<0.010
Nitrate (N)	mg/L	**10**	<0.10	<0.10	<0.10	0.14	<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
Nitrate + Nitrite	mg/L	**10**	<0.10	0.12	<0.10	0.15	<0.10	0.12	<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
Dissolved Calcium (Ca)	mg/L		29	28	26	25	20	27	32	31	23	32	38	37	32	53	42	47	42	46	33	45
Dissolved Magnesium (Mg)	mg/L		19	19	17	17	14	18	21	22	16	21	25	26	23	36	28	36	29	32	24	28
Dissolved Phosphorus (P)	mg/L		<0.1	<0.1	<0.1	0.11	<0.11	<0.10	<0.10	<0.10	<0.10	<0.10	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dissolved Potassium (K)	mg/L		7.4	7.7	7.2	6.6	6	9	10	8	6	8.6	9.5	9.1	8.4	11.0	9	10	10	10	9	10
Dissolved Sodium (Na)	mg/L	**200 (AO)**	200	**210**	190	**200**	190	**240**	**230**	**240**	180	**220**	**240**	**230**	**210**	**290**	**250**	**280**	**240**	**270**	**220**	**250**

Notes:
AO: aesthetic objective
OG: operational guideline
Exceedances of the OWDS (operational guidelines excluded) are shown in bold.

		Sample	OW5-I										OW5-II							
		Date	06-May-21	21-Oct-21	13-Jun-22	28-Oct-22	23-May-23	16-Oct-23	16-May-24	22-Oct-24	07-May-25	15-Oct-25	13-May-22	28-Oct-22	23-May-23	16-Oct-23	16-May-24	22-Oct-24	07-May-25	15-Oct-25
Parameter	Units	ODWS																		
Bicarb. Alkalinity (calc. as $CaCO_3$)	mg/L		290	320	310	330	310	330	330	320	310	290	120	120	120	130	120	110	120	120
Total Ammonia-N	mg/L		0.46	0.59	0.62	0.65	0.46	0.33	0.11	0.56	0.22	0.83	8.8	10.0	9.3	9.4	9.4	9.1	9.4	9.0
Colour	TCU	**5 (AO)**	<2	<2	<2	<2	<2	<2	<2	<2	M2	<2	**6**	<2	**3**	**16**	**17**	**32**	**3**	**3**
Conductivity	uS/cm		728	635	730	710	710	770	780	720	730	670	25000	24000	26000	26000	27000	27000	27000	26000
Total Dissolved Solids	mg/L	**500 (AO)**	420	440	420	450	410	450	450	430	410	380	**14000**	**16000**	**16000**	**15000**	**17000**	**17000**	**18000**	**14000**
Fluoride (F-)	mg/L	**1.5**	0.55	0.62	0.59	0.61	0.53	0.52	0.43	0.59	0.54	0.64	0.44	0.45	0.40	0.44	0.44	0.44	0.44	0.45
Dissolved Organic Carbon	mg/L	**5 (AO)**	1.3	1.5	1.4	1.5	1.4	1.2	1.4	1.5	1.2	1.9	3.00	0.66	1.30	4.80	0.42	0.62	0.68	1.10
Hardness	mg/L	**80-100 (OG)**	**240**	**250**	**260**	**270**	**230**	**300**	**320**	**280**	**260**	**230**	**5900**	**6500**	**5200**	**6100**	**6300**	**6100**	**5900**	**5300**
Phosphate	mg/L		<0.010	<0.010	<0.010	<0.010	<0.10	<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	units	**6.5-8.5 (OG)**	8.04	8.12	8.14	7.89	7.95	7.78	7.91	8.08	8.06	7.86	7.35	7.46	7.33	7.23	7.32	7.38	7.30	7.32
Dissolved Sulphate (SO_4)	mg/L	**500 (AO)**	47	48	45	52	47	50	57	47	43	40	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Alkalinity (Total as $CaCO_3$)	mg/L	**30-500 (OG)**	300	320	310	330	310	330	330	320	310	290	120	120	120	130	120	110	120	120
Dissolved Chloride (Cl)	mg/L	**250 (AO)**	31	26	23	20	20	17	26	20	20	14	**7700**	**9700**	**11000**	**9300**	**11000**	**11000**	**12000**	**9000**
Nitrite (N)	mg/L	**1**	0.011	0.025	0.128	0.024	0.089	<0.010	<0.010	0.132	0.01	0.203	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Nitrate (N)	mg/L	**10**	0.46	0.51	0.22	0.26	0.26	0.40	0.29	0.55	0.29	0.60	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrate + Nitrite	mg/L	**10**	0.47	0.53	0.35	0.29	0.35	0.40	0.29	0.68	0.29	0.81	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Dissolved Calcium (Ca)	mg/L		45	48	49	52	44	60	65	52	50	41	1200	1300	1100	1300	1200	1300	1200	1100
Dissolved Magnesium (Mg)	mg/L		31	32	34	34	30	36	39	36	33	32	730	760	590	710	780	720	710	630
Dissolved Phosphorus (P)	mg/L		<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1
Dissolved Potassium (K)	mg/L		6.6	8	7	7.9	6	8	6	8	6	8	78	75	57	73	73	76	69	74
Dissolved Sodium (Na)	mg/L	**200 (AO)**	62	63	58	61	56	56	45	60	55	52	**3800**	**4100**	**3500**	**3800**	**3900**	**3900**	**3700**	**3400**

Notes:
AO: aesthetic objective
OG: operational guideline
Exceedances of the OWDS (operational guidelines excluded) are shown in bold.

		Sample	OW5-III										OW6-II									
		Date	06-May-21	21-Oct-21	13-Jun-22	28-Oct-22	23-May-23	16-Oct-23	16-May-24	22-Oct-24	07-May-25	15-Oct-25	29-Jun-21	21-Oct-21	13-May-22	28-Oct-22	23-May-23	16-Oct-23	16-May-24	22-Oct-24	07-May-25	15-Oct-25
Parameter	Units	ODWS																				
Bicarb. Alkalinity (calc. as $CaCO_3$)	mg/L		110	120	110	110	120	110	110	100	110	120	150	160	150	170	140	160	160	160	150	160
Total Ammonia-N	mg/L		9.0	9.3	9.5	9.9	9.7	9.7	9.5	8.4	9.4	9.6	0.88	1.4	1.20	2.0	1.50	1.8	0.5	1.7	<0.050	1.7
Colour	TCU	**5 (AO)**	<2	3	<2	<2	<2	**59**	**24**	**13**	<2	<2	<2	3	<2	4	**9**	4	<2	<2	<2	<2
Conductivity	uS/cm		25700	18000	28000	26000	27000	29000	29000	25000	27000	28000	6500	4710	6300	6000	5300	6500	6400	6500	6400	6600
Total Dissolved Solids	mg/L	**500 (AO)**	**15000**	**15000**	**16000**	**16000**	**17000**	**17000**	**20000**	**15000**	**16000**	**15000**	**3900**	**3800**	**3800**	**4100**	**3000**	**3900**	**4000**	**4000**	**3900**	**4000**
Fluoride (F-)	mg/L	**1.5**	0.42	0.43	0.47	0.43	0.39	0.44	0.44	0.40	0.44	0.45	0.97	0.85	0.89	0.94	0.72	0.93	0.92	0.99	1.10	0.98
Dissolved Organic Carbon	mg/L	**5 (AO)**	0.90	1.2	0.61	0.58	0.61	0.52	0.75	0.99	0.60	0.51	1.8	0.44	0.63	0.45	1.90	0.49	0.82	0.48	0.53	0.48
Hardness	mg/L	**80-100 (OG)**	**6600**	**6600**	**6300**	**7000**	**5400**	**6400**	**7400**	**5800**	**6100**	**5900**	**1600**	**1700**	**1600**	**1800**	**1300**	**1700**	**1600**	**1700**	**1600**	**1700**
Phosphate	mg/L		<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	0.019	<0.010	<0.010	<0.010	<0.010	<0.010
pH	units	**6.5-8.5 (OG)**	7.50	7.22	7.32	7.46	7.46	7.33	7.25	7.21	7.35	7.33	7.48	7.69	7.65	7.84	7.62	7.64	7.71	7.66	7.83	7.68
Dissolved Sulphate (SO_4)	mg/L	**500 (AO)**	8.7	41	1.3	1.5	2.5	13	28	2	3	<1.0	**980**	**870**	**890**	**980**	**660**	**950**	**910**	**1000**	**1000**	**1100**
Alkalinity (Total as $CaCO_3$)	mg/L	**30-500 (OG)**	110	120	110	110	120	110	110	100	120	120	150	160	150	170	140	160	160	160	150	160
Dissolved Chloride (Cl)	mg/L	**250 (AO)**	**9200**	**8800**	**9500**	**9400**	**12000**	**11000**	**12000**	**9700**	**10000**	**9600**	**1500**	**1400**	**1500**	**1600**	**1200**	**1500**	**1600**	**1500**	**1400**	**1500**
Nitrite (N)	mg/L	**1**	<0.010	<0.010	<0.010	0.012	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.425	0.034	0.041	0.050	0.103	<0.010	0.167	<0.010	<0.010	0.018
Nitrate (N)	mg/L	**10**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.46	<0.10	<0.10	0.44	<0.10	<0.10	<0.10	1.01	<0.10	1.06	<0.10	1.31	0.17
Nitrate + Nitrite	mg/L	**10**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.46	<0.10	<0.10	0.86	<0.10	0.12	<0.10	1.11	<0.10	1.23	<0.10	1.31	0.19
Dissolved Calcium (Ca)	mg/L		1300	1400	1300	1400	1200	1400	1500	1200	1200	1200	310	340	320	360	250	350	320	340	320	340
Dissolved Magnesium (Mg)	mg/L		790	770	770	820	610	750	890	680	730	720	190	200	190	210	170	190	200	200	200	200
Dissolved Phosphorus (P)	mg/L		<0.5	<0.5	<0.5	0.64	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1
Dissolved Potassium (K)	mg/L		74	73	72	76	58	77	78	63	71	75	79	19	19	19	17	20	19	18	18	18
Dissolved Sodium (Na)	mg/L	**200 (AO)**	**4000**	**4100**	**3900**	**4000**	**3500**	**3800**	**4800**	**3500**	**3900**	**3600**	**740**	**800**	**790**	**860**	**640**	**770**	**880**	**800**	**790**	**780**

Notes:
AO: aesthetic objective
OG: operational guideline
Exceedances of the OWDS (operational guidelines excluded) are shown in bold.

		Sample	OW7-I										OW7-II									
		Date	06-May-21	21-Oct-21	13-May-22	28-Oct-22	23-May-23	16-Oct-23	16-May-24	22-Oct-24	07-May-25	15-Oct-25	06-May-21	21-Oct-21	13-May-22	28-Oct-22	23-May-23	16-Oct-23	16-May-24	22-Oct-24	07-May-25	15-Oct-25
Parameter	Units	ODWS																				
Bicarb. Alkalinity (calc. as $CaCO_3$)	mg/L		300	250	260	200	290	120	290	49	290	270	290	260	250	270	270	190	280	170	280	320
Total Ammonia-N	mg/L		2.3	3.0	2.8	3.0	2.6	4.1	2.4	4.5	2.8	2.2	2.0	2.6	2.6	2.6	2.5	3.2	2.5	4.1	2.4	1.7
Colour	TCU	**5 (AO)**	2	**61**	**150**	**240**	3	**560**	**18**	<2	2	<2	<2	2	5	<2	2	**5**	<2	16	2	3
Conductivity	uS/cm		6190	7180	8300	2800	7700	8800	7400	12000	8000	1500	6350	6630	8500	5600	7800	12000	7800	22000	7900	970
Total Dissolved Solids	mg/L	**500 (AO)**	**3400**	**5000**	**4400**	**1700**	**4100**	**5200**	**4200**	**7100**	**4200**	**780**	**3300**	**4600**	**4600**	**3200**	**3700**	**7000**	**4400**	**14000**	**4100**	**520**
Fluoride (F-)	mg/L	**1.5**	**2.1**	**1.5**	**1.7**	0.54	**1.7**	1.10	**1.80**	1.20	**1.90**	0.43	**2.0**	**1.6**	**1.7**	1.0	**1.7**	1.3	**1.8**	0.9	**2.0**	0.5
Dissolved Organic Carbon	mg/L	**5 (AO)**	0.66	0.88	0.57	2.10	0.70	0.99	0.80	1.10	0.71	2.10	0.69	0.68	0.75	2.00	2.00	1.10	0.77	1.00	0.72	2.60
Hardness	mg/L	**80-100 (OG)**	**860**	**1600**	**1300**	**920**	**990**	**1900**	**1100**	**3100**	**1100**	**430**	**800**	**1600**	**1400**	**1300**	**1000**	**3100**	**1100**	**6600**	**1100**	**310**
Phosphate	mg/L		<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	<0.10	<0.10	<0.010	<0.010
pH	units	**6.5-8.5 (OG)**	7.87	7.62	7.71	7.44	7.86	7.32	7.78	6.64	7.81	7.61	7.83	7.69	7.62	7.80	7.78	7.50	7.75	7.30	7.78	7.97
Dissolved Sulphate (SO_4)	mg/L	**500 (AO)**	15	22	24	290	7.8	89	30	64	54	94	31	25	33	58	22	36	15	28	28	61
Alkalinity (Total as $CaCO_3$)	mg/L	**30-500 (OG)**	300	250	260	200	290	120	290	49	290	270	290	260	250	270	280	190	280	170	280	320
Dissolved Chloride (Cl)	mg/L	**250 (AO)**	**1800**	**2800**	**2400**	**680**	**2500**	**2800**	**2300**	**3900**	**2400**	**250**	**1900**	**2400**	**2600**	**1800**	**2200**	**3700**	**2500**	**8000**	**2300**	74
Nitrite (N)	mg/L	**1**	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.017	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.015
Nitrate (N)	mg/L	**10**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.31	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrate + Nitrite	mg/L	**10**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.33	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Dissolved Calcium (Ca)	mg/L		180	340	260	220	190	380	210	620	230	87	170	340	270	260	200	650	230	1400	220	64
Dissolved Magnesium (Mg)	mg/L		100	190	160	88	120	240	130	370	130	53	94	180	170	150	130	370	140	760	130	36
Dissolved Phosphorus (P)	mg/L		<0.1	<0.1	<0.1	0.11	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.13	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1
Dissolved Potassium (K)	mg/L		18	24	22	18	18	29	19	35	20	13	16	23	22	19	18	32	19	48	20	13
Dissolved Sodium (Na)	mg/L	**200 (AO)**	**1000**	**1500**	**1300**	**250**	**1000**	150	**1300**	**1900**	**1200**	110	**980**	**1500**	**1400**	**780**	**1100**	**2100**	**1300**	**3700**	**1300**	64

Notes:
AO: aesthetic objective
OG: operational guideline
Exceedances of the OWDS (operational guidelines excluded) are shown in bold.

		Sample	OW8-I										OW8-II						
		Date	06-May-21	29-Oct-21	13-May-22	28-Oct-22	23-May-23	16-Oct-23	16-May-24	22-Oct-24	07-May-25	15-Oct-25	06-May-21	21-Oct-21	13-May-22	23-May-23	16-May-24	16-May-24	07-May-25
Parameter	Units	ODWS																	
Bicarb. Alkalinity (calc. as $CaCO_3$)	mg/L		290	300	280	300	300	280	280	270	290	310	290	290	270	280	240	240	280
Total Ammonia-N	mg/L		0.31	0.49	0.38	1.10	0.36	0.53	0.32	0.76	0.34	1.00	0.28	0.26	<0.050	<0.050	0.32	0.32	0.28
Colour	TCU	**5 (AO)**	<2	2	<2	<2	<2	<2	4	<2	<2	<2	<2	2	2	<2	3	3	<2
Conductivity	uS/cm		733	818	890	2,400	780	1,300	760	2,500	780	3,200	722	648	700	720	650	650	700
Total Dissolved Solids	mg/L	**500 (AO)**	440	**520**	**510**	**1400**	450	**700**	450	**1200**	440	**1600**	430	420	420	420	390	390	400
Fluoride (F-)	mg/L	**1.5**	0.57	0.91	0.65	0.84	0.50	0.66	0.46	0.06	0.58	0.77	0.49	0.49	0.51	0.45	0.44	0.44	0.53
Dissolved Organic Carbon	mg/L	**5 (AO)**	1.5	1.5	1.3	1.3	1.5	1.3	1.6	1.5	1.6	1.2	1.9	1.7	2.6	1.8	1.9	1.9	1.7
Hardness	mg/L	**80-100 (OG)**	**330**	**290**	**350**	**640**	**320**	**430**	**340**	**670**	**310**	**650**	**330**	**330**	**330**	**310**	**310**	**310**	**300**
Phosphate	mg/L		<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	<0.010
pH	units	**6.5-8.5 (OG)**	7.69	7.75	7.79	7.77	7.80	7.70	7.79	7.54	7.97	7.77	7.71	8.03	8.01	8.04	8.00	8.00	7.88
Dissolved Sulphate (SO_4)	mg/L	**500 (AO)**	57	52	57	35	61	47	70	39	54	25	55	53	57	64	63	63	48
Alkalinity (Total as $CaCO_3$)	mg/L	**30-500 (OG)**	290	300	280	300	300	290	280	270	290	310	290	290	280	280	240	240	280
Dissolved Chloride (Cl)	mg/L	**250 (AO)**	31	93	85	610	39	210	38	610	36	**790**	28	27	29	28	27	27	23
Nitrite (N)	mg/L	**1**	<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	0.015
Nitrate (N)	mg/L	**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	0.30	0.17	0.40	0.40	<0.10
Nitrate + Nitrite	mg/L	**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	0.30	0.17	0.40	0.40	<0.10
Dissolved Calcium (Ca)	mg/L		100	83	110	170	97	120	100	100	92	170	100	100	100	97	92	92	89
Dissolved Magnesium (Mg)	mg/L		19	20	21	52	19	30	21	21	20	55	18	18	18	17	19	19	19
Dissolved Phosphorus (P)	mg/L		<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dissolved Potassium (K)	mg/L		3.9	4.6	3.8	8.9	4	6	4	4	4	10	3.7	3.7	3.7	4	4	4	4
Dissolved Sodium (Na)	mg/L	**200 (AO)**	36	80	53	**280**	39	100	37	37	47	**370**	34	31	34	30	34	34	47

Notes:
AO: aesthetic objective
OG: operational guideline
Exceedances of the OWDS (operational guidelines excluded) are shown in bold.

		Sample	OW9-I			OW9-II			
		Date	23-May-17	26-Oct-17	29-May-18	08-May-19	14-May-20	21-Oct-21	28-Oct-22
Parameter	Units	ODWS							
Bicarb. Alkalinity (calc. as $CaCO_3$)	mg/L		170	130	200	170	160	140	130
Total Ammonia-N	mg/L		18	21	18	0.11	0.27	0.15	2.10
Colour	TCU	**5 (AO)**	**110**	**49**	**14**	3	3	**6**	**6**
Conductivity	uS/cm		81000	88000	73000	39000	50000	62200	60000
Total Dissolved Solids	mg/L	**500 (AO)**	**58000**	**57000**	**46000**	**23000**	**32000**	**39000**	**47000**
Fluoride (F-)	mg/L	**1.5**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Dissolved Organic Carbon	mg/L	**5 (AO)**	**12**	**9.1**	**8.7**	**7.8**	**8.1**	**8.5**	**9.0**
Hardness	mg/L	**80-100 (OG)**	**27000**	**25000**	**22000**	**12000**	**17000**	**21000**	**26000**
Phosphate	mg/L		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
pH	units	**6.5-8.5 (OG)**	6.73	6.95	6.93	7.09	7.13	7.15	7.15
Dissolved Sulphate (SO_4)	mg/L	**500 (AO)**	180	160	120	**880**	**1000**	**1200**	**1300**
Alkalinity (Total as $CaCO_3$)	mg/L	**30-500 (OG)**	170	130	200	170	160	140	130
Dissolved Chloride (Cl)	mg/L	**250 (AO)**	**37000**	**39000**	**30000**	**13000**	**20000**	**24000**	**28000**
Nitrite (N)	mg/L	**1**	<0.10	<0.010	<0.050	0.013	0.033	<0.010	<0.10
Nitrate (N)	mg/L	**10**	<1.0	<0.10	<0.50	0.51	0.99	2.19	1.60
Nitrate + Nitrite	mg/L	**10**	<1.0	<0.10	<0.50	0.52	1.02	2.19	1.60
Dissolved Calcium (Ca)	mg/L		5700	5000	4600	2900	3800	4800	5800
Dissolved Magnesium (Mg)	mg/L		3200	3100	2500	1200	1700	2100	2800
Dissolved Phosphorus (P)	mg/L		<2	<1	<1	<0.1	<1	<1	<1
Dissolved Potassium (K)	mg/L		140	140	120	69	92	110	130
Dissolved Sodium (Na)	mg/L	**200 (AO)**	**11000**	**10000**	**9000**	**4200**	**5800**	**6600**	**9000**

Notes:
AO: aesthetic objective
OG: operational guideline
Exceedances of the OWDS (operational guidelines excluded) are shown in bold.

		Sample	TW1-1										AMx-R									
		Date	06-May-21	21-Oct-21	13-May-22	28-Oct-22	23-May-23	16-Oct-23	16-May-24	22-Oct-24	07-May-25	15-Oct-25	06-May-21	21-Oct-21	13-May-22	28-Oct-22	23-May-23	16-Oct-23	16-May-24	22-Oct-24	07-May-25	15-Oct-25
Parameter	Units	ODWS																				
Bicarb. Alkalinity (calc. as $CaCO_3$)	mg/L		280	250	220	200	290	300	300	300	300	310	14	5.1	4	3.6	2	2.2	2.0	4.0	4.2	190.0
Total Ammonia-N	mg/L		0.79	0.63	0.64	1.40	0.90	0.85	0.54	0.56	0.54	0.72	6.0	5.3	5.6	6.0	5.9	5.9	5.2	5.2	4.9	1.9
Colour	TCU	**5 (AO)**	<2	3	<2	<2	3	<2	3	2	2	<2	<2	**22**	**22**	**4**	**12**	**34**	**36**	<2	<2	<2
Conductivity	uS/cm		2530	2260	2800	3400	2400	2000	1500	1400	1400	2000	22500	12600	17000	15000	17000	17000	15000	16000	14000	3900
Total Dissolved Solids	mg/L	**500 (AO)**	**1300**	**1400**	**1500**	**1900**	**1200**	**1100**	**790**	**770**	**740**	**990**	**12000**	**9500**	**9300**	**9300**	**8600**	**9100**	**8700**	**8700**	**7500**	**1900**
Fluoride (F-)	mg/L	**1.5**	0.48	0.56	1.10	**1.90**	0.50	0.53	0.52	0.49	0.55	0.49	0.61	0.62	0.69	0.65	0.60	0.65	0.60	0.67	0.71	1.50
Dissolved Organic Carbon	mg/L	**5 (AO)**	1.5	1.6	1.3	0.78	1.7	1.70	1.80	1.80	1.80	1.70	1.9	2.1	1.9	1.7	2.1	1.4	1.4	1.7	1.3	1.6
Hardness	mg/L	**80-100 (OG)**	**580**	**630**	**610**	**720**	**580**	**510**	**410**	**410**	**400**	**480**	**4900**	**3800**	**3400**	**3700**	**2800**	**3200**	**2900**	**3000**	**2600**	**550**
Phosphate	mg/L		<0.010	<0.010	0.013	<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	<0.010
pH	units	**6.5-8.5 (OG)**	8.00	7.89	7.87	7.83	8.08	7.86	7.89	7.75	8.07	7.93	**6.43**	**5.82**	**5.77**	**5.70**	**5.52**	**5.70**	**5.52**	**5.53**	**5.78**	**7.50**
Dissolved Sulphate (SO_4)	mg/L	**500 (AO)**	38	39	80	160	28	32	31	37	27	27	35	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.4
Alkalinity (Total as $CaCO_3$)	mg/L	**30-500 (OG)**	280	260	220	200	290	300	300	300	310	310	14	5.1	4	3.6	1.8	2.2	2.0	4.0	4.2	200.0
Dissolved Chloride (Cl)	mg/L	**250 (AO)**	**600**	**700**	**700**	**910**	**560**	**450**	**270**	**250**	230	**400**	**7400**	**6000**	**5900**	**5600**	**5800**	**5800**	**5600**	**5600**	**4600**	**1100**
Nitrite (N)	mg/L	**1**	<0.010	0.039	0.039	0.021	<0.010	0.039	<0.010	0.017	<0.010	<0.010	<0.010	0.024	0.031	0.032	0.036	0.048	0.052	0.035	<0.10	<0.010
Nitrate (N)	mg/L	**10**	<0.10	0.46	1.31	<0.10	<0.10	0.11	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.1	<0.10	<0.10	0.37	<0.10	0.55	<1.0	<0.10
Nitrate + Nitrite	mg/L	**10**	<0.10	0.50	1.34	<0.10	<0.10	0.15	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.13	<0.10	0.11	0.42	<0.10	0.59	<1.0	<0.10
Dissolved Calcium (Ca)	mg/L		130	130	130	140	130	110	92	94	89	110	920	710	660	700	530	630	550	580	500	110
Dissolved Magnesium (Mg)	mg/L		64	73	70	140	64	56	44	43	42	50	620	480	440	460	360	410	380	380	340	71
Dissolved Phosphorus (P)	mg/L		<0.1	<0.1	<0.1	87	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1	0.6	<0.5	<0.5	<0.1	<0.5	<0.1	<0.1
Dissolved Potassium (K)	mg/L		11	13	11	13	95	97	84	8	8	9	56	45	43	46	36	43	42	40	42	14
Dissolved Sodium (Na)	mg/L	**200 (AO)**	**280**	**320**	**340**	**480**	**260**	**230**	160	150	150	200	**2900**	**2200**	**2200**	**2300**	**1900**	**2100**	**2100**	**2100**	**1900**	**540**

Notes:
AO: aesthetic objective
OG: operational guideline
Exceedances of the OWDS (operational guidelines excluded) are shown in bold.

Table 6: Measured Water Volume and Rate of Discharge from Quarry Sump

Date	Start	Stop	Total Sec.	Total Min.	Total Litres	Rate of Taking (L/sec)	Rate of Taking (L/min)
ECA Permitted Rate					**6,544,800**	**76**	**4,545**
01-Jan-25	NO PUMP		0	0	-	-	-
02-Jan-25	NO PUMP		0	0	-	-	-
03-Jan-25	NO PUMP		0	0	-	-	-
04-Jan-25	NO PUMP		0	0	-	-	-
05-Jan-25	NO PUMP		0	0	-	-	-
06-Jan-25	NO PUMP		0	0	-	-	-
07-Jan-25	NO PUMP		0	0	-	-	-
08-Jan-25	NO PUMP		0	0	-	-	-
09-Jan-25	NO PUMP		0	0	-	-	-
10-Jan-25	NO PUMP		0	0	-	-	-
11-Jan-25	NO PUMP		0	0	-	-	-
12-Jan-25	NO PUMP		0	0	-	-	-
13-Jan-25	NO PUMP		0	0	-	-	-
14-Jan-25	NO PUMP		0	0	-	-	-
15-Jan-25	NO PUMP		0	0	-	-	-
16-Jan-25	NO PUMP		0	0	-	-	-
17-Jan-25	NO PUMP		0	0	-	-	-
18-Jan-25	NO PUMP		0	0	-	-	-
19-Jan-25	NO PUMP		0	0	-	-	-
20-Jan-25	NO PUMP		0	0	-	-	-
21-Jan-25	NO PUMP		0	0	-	-	-
22-Jan-25	NO PUMP		0	0	-	-	-
23-Jan-25	NO PUMP		0	0	-	-	-
24-Jan-25	NO PUMP		0	0	-	-	-
25-Jan-25	NO PUMP		0	0	-	-	-
26-Jan-25	NO PUMP		0	0	-	-	-
27-Jan-25	NO PUMP		0	0	-	-	-
28-Jan-25	NO PUMP		0	0	-	-	-
29-Jan-25	NO PUMP		0	0	-	-	-
30-Jan-25	NO PUMP		0	0	-	-	-
31-Jan-25	NO PUMP		0	0	-	-	-
01-Feb-25	NO PUMP		0	0	-	-	-
02-Feb-25	NO PUMP		0	0	-	-	-
03-Feb-25	NO PUMP		0	0	-	-	-
04-Feb-25	NO PUMP		0	0	-	-	-
05-Feb-25	NO PUMP		0	0	-	-	-
06-Feb-25	NO PUMP		0	0	-	-	-
07-Feb-25	NO PUMP		0	0	-	-	-
08-Feb-25	NO PUMP		0	0	-	-	-
09-Feb-25	NO PUMP		0	0	-	-	-
10-Feb-25	NO PUMP		0	0	-	-	-
11-Feb-25	NO PUMP		0	0	-	-	-
12-Feb-25	NO PUMP		0	0	-	-	-

Table 6: Measured Water Volume and Rate of Discharge from Quarry Sump

Date	Start	Stop	Total Sec.	Total Min.	Total Litres	Rate of Taking (L/sec)	Rate of Taking (L/min)
ECA Permitted Rate					**6,544,800**	**76**	**4,545**
13-Feb-25	NO PUMP		0	0	-	-	-
14-Feb-25	NO PUMP		0	0	-	-	-
15-Feb-25	NO PUMP		0	0	-	-	-
16-Feb-25	NO PUMP		0	0	-	-	-
17-Feb-25	NO PUMP		0	0	-	-	-
18-Feb-25	NO PUMP		0	0	-	-	-
19-Feb-25	NO PUMP		0	0	-	-	-
20-Feb-25	NO PUMP		0	0	-	-	-
21-Feb-25	NO PUMP		0	0	-	-	-
22-Feb-25	NO PUMP		0	0	-	-	-
23-Feb-25	NO PUMP		0	0	-	-	-
24-Feb-25	NO PUMP		0	0	-	-	-
25-Feb-25	NO PUMP		0	0	-	-	-
26-Feb-25	NO PUMP		0	0	-	-	-
27-Feb-25	NO PUMP		0	0	-	-	-
28-Feb-25	NO PUMP		0	0	-	-	-
01-Mar-25	NO PUMP		0	0	-	-	-
02-Mar-25	NO PUMP		0	0	-	-	-
03-Mar-25	NO PUMP		0	0	-	-	-
04-Mar-25	NO PUMP		0	0	-	-	-
05-Mar-25	NO PUMP		0	0	-	-	-
06-Mar-25	NO PUMP		0	0	-	-	-
07-Mar-25	NO PUMP		0	0	-	-	-
08-Mar-25	NO PUMP		0	0	-	-	-
09-Mar-25	NO PUMP		0	0	-	-	-
10-Mar-25	NO PUMP		0	0	-	-	-
11-Mar-25	NO PUMP		0	0	-	-	-
12-Mar-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
13-Mar-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
14-Mar-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
15-Mar-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
16-Mar-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
17-Mar-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
18-Mar-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
19-Mar-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
20-Mar-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
21-Mar-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
22-Mar-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
23-Mar-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
24-Mar-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
25-Mar-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
26-Mar-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
27-Mar-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417

Table 6: Measured Water Volume and Rate of Discharge from Quarry Sump

Date	Start	Stop	Total Sec.	Total Min.	Total Litres	Rate of Taking (L/sec)	Rate of Taking (L/min)
ECA Permitted Rate					**6,544,800**	**76**	**4,545**
28-Mar-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
29-Mar-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
30-Mar-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
31-Mar-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
01-Apr-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
02-Apr-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
03-Apr-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
04-Apr-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
05-Apr-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
06-Apr-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
07-Apr-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
08-Apr-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
09-Apr-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
10-Apr-25	NO PUMP		0	0	-	-	-
11-Apr-25	NO PUMP		0	0	-	-	-
12-Apr-25	NO PUMP		0	0	-	-	-
13-Apr-25	NO PUMP		0	0	-	-	-
14-Apr-25	NO PUMP		0	0	-	-	-
15-Apr-25	NO PUMP		0	0	-	-	-
16-Apr-25	NO PUMP		0	0	-	-	-
17-Apr-25	NO PUMP		0	0	-	-	-
18-Apr-25	NO PUMP		0	0	-	-	-
19-Apr-25	NO PUMP		0	0	-	-	-
20-Apr-25	NO PUMP		0	0	-	-	-
21-Apr-25	NO PUMP		0	0	-	-	-
22-Apr-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
23-Apr-25	NO PUMP		0	0	-	-	-
24-Apr-25	NO PUMP		0	0	-	-	-
25-Apr-25	NO PUMP		0	0	-	-	-
26-Apr-25	NO PUMP		0	0	-	-	-
27-Apr-25	NO PUMP		0	0	-	-	-
28-Apr-25	NO PUMP		0	0	-	-	-
29-Apr-25	NO PUMP		0	0	-	-	-
30-Apr-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
01-May-25	NO PUMP		0	0	-	-	-
02-May-25	NO PUMP		0	0	-	-	-
03-May-25	NO PUMP		0	0	-	-	-
04-May-25	NO PUMP		0	0	-	-	-
05-May-25	NO PUMP		0	0	-	-	-
06-May-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
07-May-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
08-May-25	NO PUMP		0	0	-	-	-
09-May-25	NO PUMP		0	0	-	-	-

Table 6: Measured Water Volume and Rate of Discharge from Quarry Sump

Date	Start	Stop	Total Sec.	Total Min.	Total Litres	Rate of Taking (L/sec)	Rate of Taking (L/min)
ECA Permitted Rate					**6,544,800**	**76**	**4,545**
10-May-25	NO PUMP		0	0	-	-	-
11-May-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
12-May-25	NO PUMP		0	0	-	-	-
13-May-25	NO PUMP		0	0	-	-	-
14-May-25	NO PUMP		0	0	-	-	-
15-May-25	NO PUMP		0	0	-	-	-
16-May-25	NO PUMP		0	0	-	-	-
17-May-25	NO PUMP		0	0	-	-	-
18-May-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
19-May-25	NO PUMP		0	0	-	-	-
20-May-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
21-May-25	NO PUMP		0	0	-	-	-
22-May-25	NO PUMP		0	0	-	-	-
23-May-25	NO PUMP		0	0	-	-	-
24-May-25	NO PUMP		0	0	-	-	-
25-May-25	NO PUMP		0	0	-	-	-
26-May-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
27-May-25	NO PUMP		0	0	-	-	-
28-May-25	NO PUMP		0	0	-	-	-
29-May-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
30-May-25	NO PUMP		0	0	-	-	-
31-May-25	NO PUMP		0	0	-	-	-
01-Jun-25	NO PUMP		0	0	-	-	-
02-Jun-25	NO PUMP		0	0	-	-	-
03-Jun-25	NO PUMP		0	0	-	-	-
04-Jun-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
05-Jun-25	NO PUMP		0	0	-	-	-
06-Jun-25	NO PUMP		0	0	-	-	-
07-Jun-25	NO PUMP		0	0	-	-	-
08-Jun-25	NO PUMP		0	0	-	-	-
09-Jun-25	NO PUMP		0	0	-	-	-
10-Jun-25	7:00 AM	5:00 PM	36000	600	850,200	24	1,417
11-Jun-25	NO PUMP		0	0	-	-	-
12-Jun-25	NO PUMP		0	0	-	-	-
13-Jun-25	NO PUMP		0	0	-	-	-
14-Jun-25	NO PUMP		0	0	-	-	-
15-Jun-25	NO PUMP		0	0	-	-	-
16-Jun-25	NO PUMP		0	0	-	-	-
17-Jun-25	NO PUMP		0	0	-	-	-

Table 6: Measured Water Volume and Rate of Discharge from Quarry Sump

Date	Start	Stop	Total Sec.	Total Min.	Total Litres	Rate of Taking (L/sec)	Rate of Taking (L/min)
ECA Permitted Rate					**6,544,800**	**76**	**4,545**
18-Jun-25	NO PUMP		0	0	-	-	-
19-Jun-25	NO PUMP		0	0	-	-	-
20-Jun-25	NO PUMP		0	0	-	-	-
21-Jun-25	NO PUMP		0	0	-	-	-
22-Jun-25	NO PUMP		0	0	-	-	-
23-Jun-25	NO PUMP		0	0	-	-	-
24-Jun-25	NO PUMP		0	0	-	-	-
25-Jun-25	NO PUMP		0	0	-	-	-
26-Jun-25	NO PUMP		0	0	-	-	-
27-Jun-25	NO PUMP		0	0	-	-	-
28-Jun-25	NO PUMP		0	0	-	-	-
29-Jun-25	NO PUMP		0	0	-	-	-
30-Jun-25	NO PUMP		0	0	-	-	-
01-Jul-25	NO PUMP		0	0	-	-	-
02-Jul-25	NO PUMP		0	0	-	-	-
03-Jul-25	NO PUMP		0	0	-	-	-
04-Jul-25	NO PUMP		0	0	-	-	-
05-Jul-25	NO PUMP		0	0	-	-	-
06-Jul-25	NO PUMP		0	0	-	-	-
07-Jul-25	NO PUMP		0	0	-	-	-
08-Jul-25	NO PUMP		0	0	-	-	-
09-Jul-25	NO PUMP		0	0	-	-	-
10-Jul-25	NO PUMP		0	0	-	-	-
11-Jul-25	NO PUMP		0	0	-	-	-
12-Jul-25	NO PUMP		0	0	-	-	-
13-Jul-25	NO PUMP		0	0	-	-	-
14-Jul-25	NO PUMP		0	0	-	-	-
15-Jul-25	NO PUMP		0	0	-	-	-
16-Jul-25	NO PUMP		0	0	-	-	-
17-Jul-25	NO PUMP		0	0	-	-	-
18-Jul-25	NO PUMP		0	0	-	-	-
19-Jul-25	NO PUMP		0	0	-	-	-
20-Jul-25	NO PUMP		0	0	-	-	-
21-Jul-25	NO PUMP		0	0	-	-	-
22-Jul-25	NO PUMP		0	0	-	-	-
23-Jul-25	NO PUMP		0	0	-	-	-
24-Jul-25	NO PUMP		0	0	-	-	-
25-Jul-25	NO PUMP		0	0	-	-	-
26-Jul-25	NO PUMP		0	0	-	-	-
27-Jul-25	NO PUMP		0	0	-	-	-
28-Jul-25	NO PUMP		0	0	-	-	-
29-Jul-25	NO PUMP		0	0	-	-	-
30-Jul-25	NO PUMP		0	0	-	-	-

Table 6: Measured Water Volume and Rate of Discharge from Quarry Sump

Date	Start	Stop	Total Sec.	Total Min.	Total Litres	Rate of Taking (L/sec)	Rate of Taking (L/min)
ECA Permitted Rate					**6,544,800**	**76**	**4,545**
31-Jul-25	NO PUMP		0	0	-	-	-
01-Aug-25	NO PUMP		0	0	-	-	-
02-Aug-25	NO PUMP		0	0	-	-	-
03-Aug-25	NO PUMP		0	0	-	-	-
04-Aug-25	NO PUMP		0	0	-	-	-
05-Aug-25	NO PUMP		0	0	-	-	-
06-Aug-25	NO PUMP		0	0	-	-	-
07-Aug-25	NO PUMP		0	0	-	-	-
08-Aug-25	NO PUMP		0	0	-	-	-
09-Aug-25	NO PUMP		0	0	-	-	-
10-Aug-25	NO PUMP		0	0	-	-	-
11-Aug-25	NO PUMP		0	0	-	-	-
12-Aug-25	NO PUMP		0	0	-	-	-
13-Aug-25	NO PUMP		0	0	-	-	-
14-Aug-25	NO PUMP		0	0	-	-	-
15-Aug-25	NO PUMP		0	0	-	-	-
16-Aug-25	NO PUMP		0	0	-	-	-
17-Aug-25	NO PUMP		0	0	-	-	-
18-Aug-25	NO PUMP		0	0	-	-	-
19-Aug-25	NO PUMP		0	0	-	-	-
20-Aug-25	NO PUMP		0	0	-	-	-
21-Aug-25	NO PUMP		0	0	-	-	-
22-Aug-25	NO PUMP		0	0	-	-	-
23-Aug-25	NO PUMP		0	0	-	-	-
24-Aug-25	NO PUMP		0	0	-	-	-
25-Aug-25	NO PUMP		0	0	-	-	-
26-Aug-25	NO PUMP		0	0	-	-	-
27-Aug-25	NO PUMP		0	0	-	-	-
28-Aug-25	NO PUMP		0	0	-	-	-
29-Aug-25	NO PUMP		0	0	-	-	-
30-Aug-25	NO PUMP		0	0	-	-	-
31-Aug-25	NO PUMP		0	0	-	-	-
01-Sep-25	NO PUMP		0	0	-	-	-
02-Sep-25	NO PUMP		0	0	-	-	-
03-Sep-25	NO PUMP		0	0	-	-	-
04-Sep-25	NO PUMP		0	0	-	-	-
05-Sep-25	NO PUMP		0	0	-	-	-
06-Sep-25	NO PUMP		0	0	-	-	-
07-Sep-25	NO PUMP		0	0	-	-	-
08-Sep-25	NO PUMP		0	0	-	-	-
09-Sep-25	NO PUMP		0	0	-	-	-
10-Sep-25	NO PUMP		0	0	-	-	-
11-Sep-25	NO PUMP		0	0	-	-	-

Table 6: Measured Water Volume and Rate of Discharge from Quarry Sump

Date	Start	Stop	Total Sec.	Total Min.	Total Litres	Rate of Taking (L/sec)	Rate of Taking (L/min)
ECA Permitted Rate					**6,544,800**	**76**	**4,545**
12-Sep-25	NO PUMP		0	0	-	-	-
13-Sep-25	NO PUMP		0	0	-	-	-
14-Sep-25	NO PUMP		0	0	-	-	-
15-Sep-25	NO PUMP		0	0	-	-	-
16-Sep-25	NO PUMP		0	0	-	-	-
17-Sep-25	NO PUMP		0	0	-	-	-
18-Sep-25	NO PUMP		0	0	-	-	-
19-Sep-25	NO PUMP		0	0	-	-	-
20-Sep-25	NO PUMP		0	0	-	-	-
21-Sep-25	NO PUMP		0	0	-	-	-
22-Sep-25	NO PUMP		0	0	-	-	-
23-Sep-25	NO PUMP		0	0	-	-	-
24-Sep-25	NO PUMP		0	0	-	-	-
25-Sep-25	NO PUMP		0	0	-	-	-
26-Sep-25	NO PUMP		0	0	-	-	-
27-Sep-25	NO PUMP		0	0	-	-	-
28-Sep-25	NO PUMP		0	0	-	-	-
29-Sep-25	NO PUMP		0	0	-	-	-
30-Sep-25	NO PUMP		0	0	-	-	-
01-Oct-25	NO PUMP		0	0	-	-	-
02-Oct-25	NO PUMP		0	0	-	-	-
03-Oct-25	NO PUMP		0	0	-	-	-
04-Oct-25	NO PUMP		0	0	-	-	-
05-Oct-25	NO PUMP		0	0	-	-	-
06-Oct-25	NO PUMP		0	0	-	-	-
07-Oct-25	NO PUMP		0	0	-	-	-
08-Oct-25	NO PUMP		0	0	-	-	-
09-Oct-25	NO PUMP		0	0	-	-	-
10-Oct-25	NO PUMP		0	0	-	-	-
11-Oct-25	NO PUMP		0	0	-	-	-
12-Oct-25	NO PUMP		0	0	-	-	-
13-Oct-25	NO PUMP		0	0	-	-	-
14-Oct-25	NO PUMP		0	0	-	-	-
15-Oct-25	NO PUMP		0	0	-	-	-
16-Oct-25	NO PUMP		0	0	-	-	-
17-Oct-25	NO PUMP		0	0	-	-	-
18-Oct-25	NO PUMP		0	0	-	-	-
19-Oct-25	NO PUMP		0	0	-	-	-
20-Oct-25	NO PUMP		0	0	-	-	-
21-Oct-25	NO PUMP		0	0	-	-	-
22-Oct-25	NO PUMP		0	0	-	-	-
23-Oct-25	NO PUMP		0	0	-	-	-
24-Oct-25	NO PUMP		0	0	-	-	-

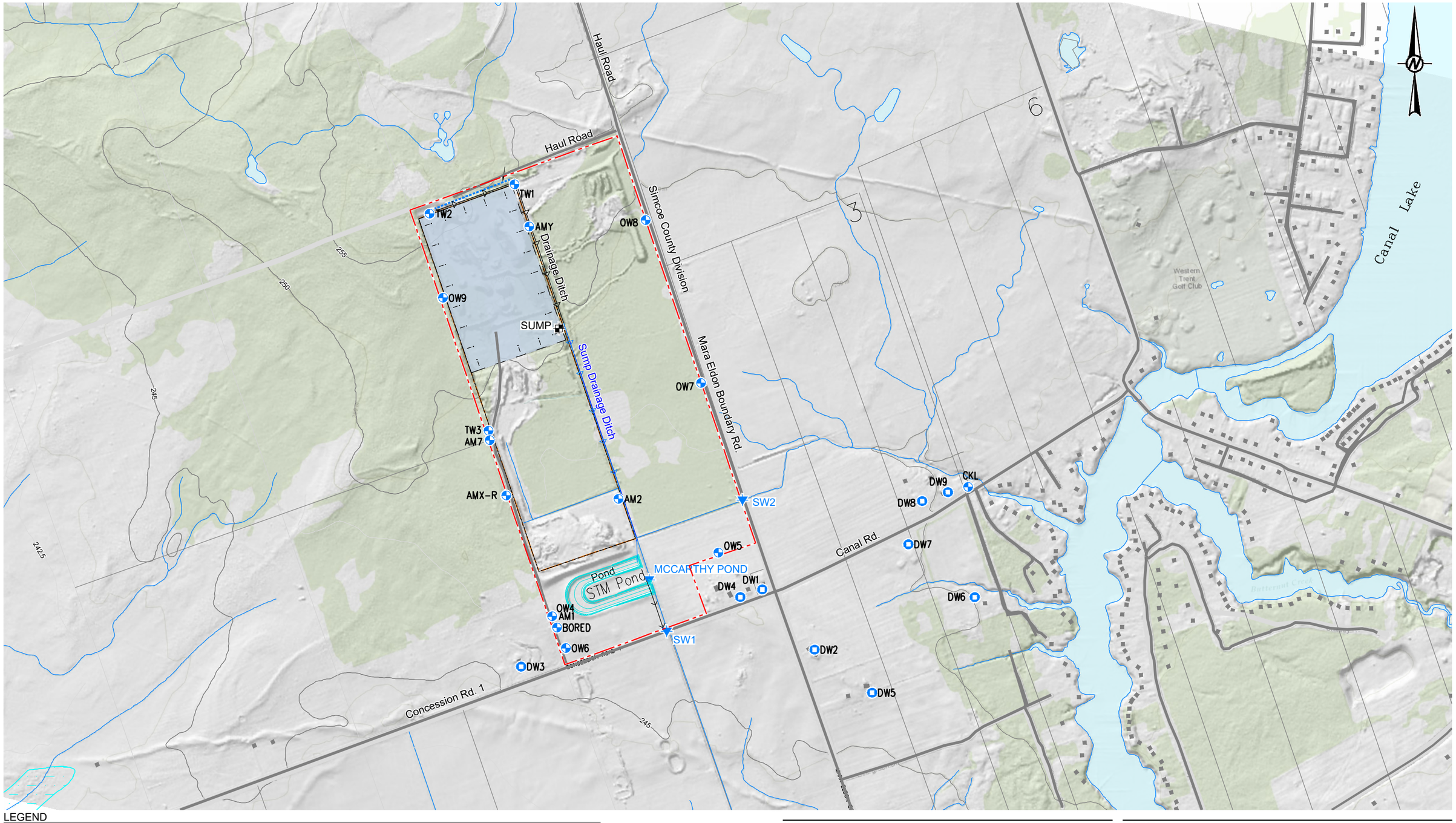
Table 6: Measured Water Volume and Rate of Discharge from Quarry Sump

Date	Start	Stop	Total Sec.	Total Min.	Total Litres	Rate of Taking (L/sec)	Rate of Taking (L/min)
ECA Permitted Rate					**6,544,800**	**76**	**4,545**
25-Oct-25	NO PUMP		0	0	-	-	-
26-Oct-25	NO PUMP		0	0	-	-	-
27-Oct-25	NO PUMP		0	0	-	-	-
28-Oct-25	NO PUMP		0	0	-	-	-
29-Oct-25	NO PUMP		0	0	-	-	-
30-Oct-25	NO PUMP		0	0	-	-	-
31-Oct-25	NO PUMP		0	0	-	-	-
01-Nov-25	NO PUMP		0	0	-	-	-
02-Nov-25	NO PUMP		0	0	-	-	-
03-Nov-25	NO PUMP		0	0	-	-	-
04-Nov-25	NO PUMP		0	0	-	-	-
05-Nov-25	NO PUMP		0	0	-	-	-
06-Nov-25	NO PUMP		0	0	-	-	-
07-Nov-25	NO PUMP		0	0	-	-	-
08-Nov-25	NO PUMP		0	0	-	-	-
09-Nov-25	NO PUMP		0	0	-	-	-
10-Nov-25	NO PUMP		0	0	-	-	-
11-Nov-25	NO PUMP		0	0	-	-	-
12-Nov-25	NO PUMP		0	0	-	-	-
13-Nov-25	NO PUMP		0	0	-	-	-
14-Nov-25	NO PUMP		0	0	-	-	-
15-Nov-25	NO PUMP		0	0	-	-	-
16-Nov-25	NO PUMP		0	0	-	-	-
17-Nov-25	NO PUMP		0	0	-	-	-
18-Nov-25	NO PUMP		0	0	-	-	-
19-Nov-25	NO PUMP		0	0	-	-	-
20-Nov-25	NO PUMP		0	0	-	-	-
21-Nov-25	NO PUMP		0	0	-	-	-
22-Nov-25	NO PUMP		0	0	-	-	-
23-Nov-25	NO PUMP		0	0	-	-	-
24-Nov-25	NO PUMP		0	0	-	-	-
25-Nov-25	NO PUMP		0	0	-	-	-
26-Nov-25	NO PUMP		0	0	-	-	-
27-Nov-25	NO PUMP		0	0	-	-	-
28-Nov-25	NO PUMP		0	0	-	-	-
29-Nov-25	NO PUMP		0	0	-	-	-
30-Nov-25	NO PUMP		0	0	-	-	-
01-Dec-25	NO PUMP		0	0	-	-	-
02-Dec-25	NO PUMP		0	0	-	-	-
03-Dec-25	NO PUMP		0	0	-	-	-
04-Dec-25	NO PUMP		0	0	-	-	-
05-Dec-25	NO PUMP		0	0	-	-	-
06-Dec-25	NO PUMP		0	0	-	-	-

Table 6: Measured Water Volume and Rate of Discharge from Quarry Sump

Date	Start	Stop	Total Sec.	Total Min.	Total Litres	Rate of Taking (L/sec)	Rate of Taking (L/min)
ECA Permitted Rate					**6,544,800**	**76**	**4,545**
07-Dec-25	NO PUMP		0	0	-	-	-
08-Dec-25	NO PUMP		0	0	-	-	-
09-Dec-25	NO PUMP		0	0	-	-	-
10-Dec-25	NO PUMP		0	0	-	-	-
11-Dec-25	NO PUMP		0	0	-	-	-
12-Dec-25	NO PUMP		0	0	-	-	-
13-Dec-25	NO PUMP		0	0	-	-	-
14-Dec-25	NO PUMP		0	0	-	-	-
15-Dec-25	NO PUMP		0	0	-	-	-
16-Dec-25	NO PUMP		0	0	-	-	-
17-Dec-25	NO PUMP		0	0	-	-	-
18-Dec-25	NO PUMP		0	0	-	-	-
19-Dec-25	NO PUMP		0	0	-	-	-
20-Dec-25	NO PUMP		0	0	-	-	-
21-Dec-25	NO PUMP		0	0	-	-	-
22-Dec-25	NO PUMP		0	0	-	-	-
23-Dec-25	NO PUMP		0	0	-	-	-
24-Dec-25	NO PUMP		0	0	-	-	-
25-Dec-25	NO PUMP		0	0	-	-	-
26-Dec-25	NO PUMP		0	0	-	-	-
27-Dec-25	NO PUMP		0	0	-	-	-
28-Dec-25	NO PUMP		0	0	-	-	-
29-Dec-25	NO PUMP		0	0	-	-	-
30-Dec-25	NO PUMP		0	0	-	-	-
31-Dec-25	NO PUMP		0	0	-	-	-

Figures



LEGEND

- Property Boundary
- Approximate Licenced Boundary
- Approximate Extent of Quarry
- Private Well Monitoring Location
- Observation Well Monitoring Location
- Surface Water Sampling Location

REFERENCES AND NOTES

1. Projection UTM NAD83 Zone 17
2. Mapping based on ESRI Geography Network OBM Features and 2012 Road Network
3. All Mapped features are Approximate and Not to Scale

0 250 500
1:10,000 METRES

CLIENT
GIP AGGREGATES INC.

CONSULTANT
wsp

YYYY-MM-DD	2026-02-05
PREPARED	JPR
DESIGN	
REVIEW	CSI
APPROVED	DPD

PROJECT
STAN McCARTHY QUARRY
2025 ANNUAL MONITORING REPORT

TITLE
LOCATION MAP

PROJECT No.	CONTROL	Rev.	FIGURE
CA0052306	0001	----	1

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

25 mm 0

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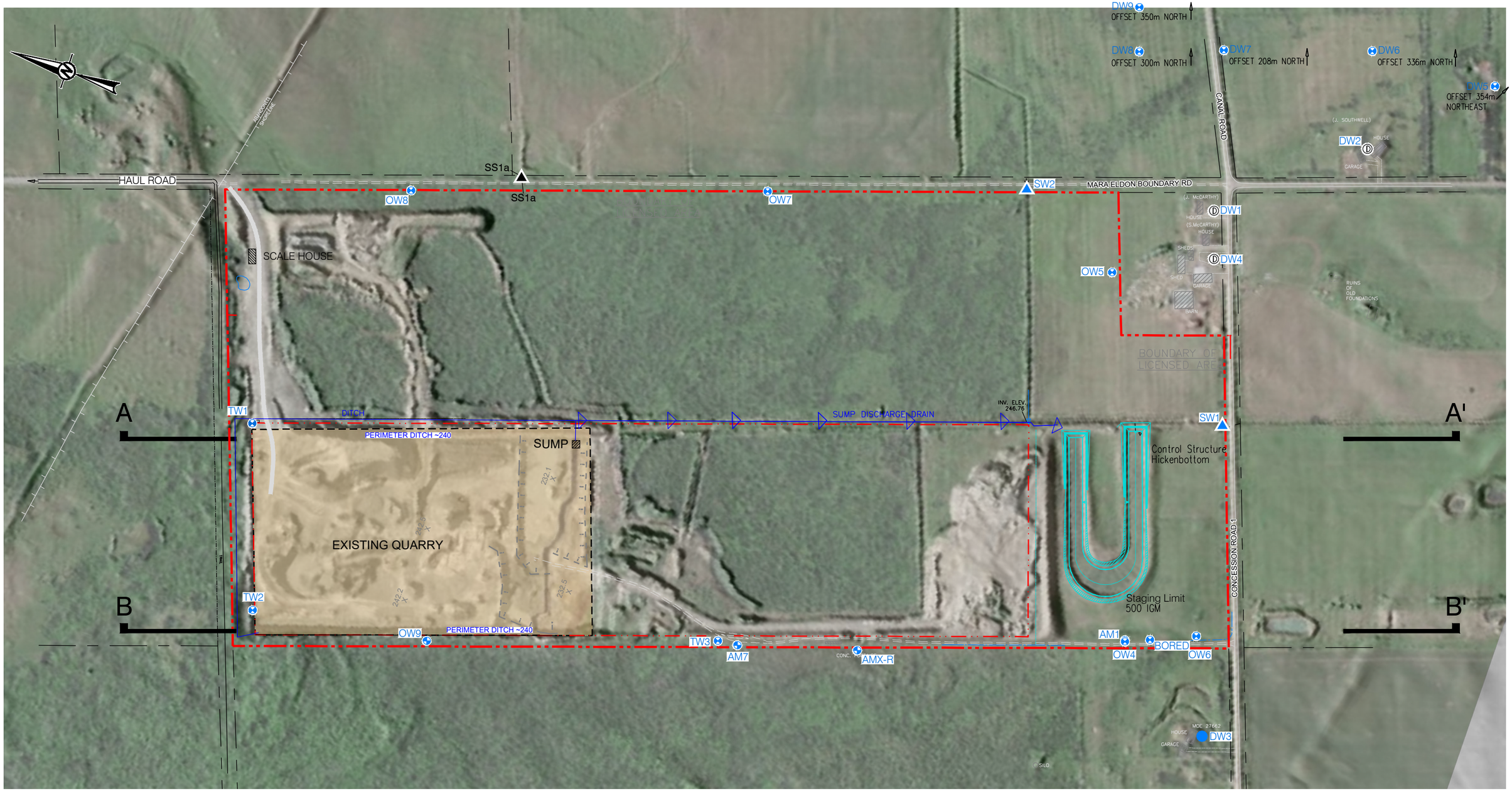


Site Digital Mapping Licenced from KIRBY & ASSOCIATES LTD, BING Imagery 2022
DEM Acquired 2026, CANADIAN HYDROSPATIAL NETWORK MAP © His Majesty the King in Right of Canada, as represented by the Minister of Natural Resources

0 100 200
1:5,000 METRES

LEGEND

- Quarry Boundary
- Limit of Extraction
- Swales and Drainage Plan
- Surface Water Sampling Location
- Private Dug Well
- Private Drilled Well
- Standpipe
- Observation Well

NOTES

1. Test Well AM7 inaccessible
2. DW1 Formally Degroot
3. DW2 Formally Southwell
4. DW3 Formally Lamarre
5. DW4 Formally McCarthy
6. AMX decommissioned replaced with AMX-R

CLIENT
GIP AGGREGATES INC.

CONSULTANT
wsp

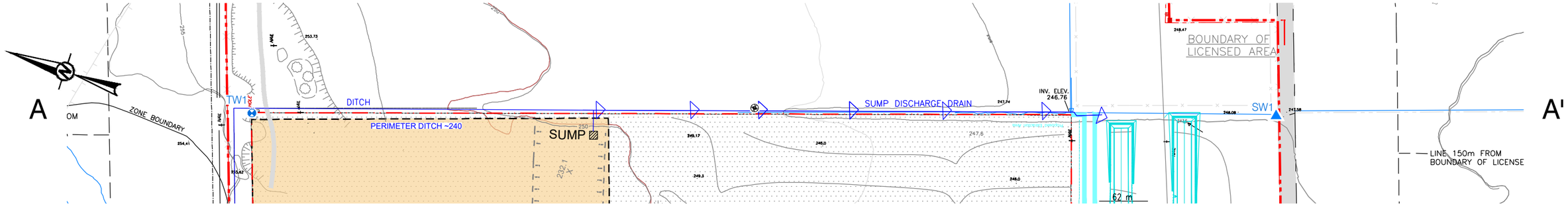
YYYY-MM-DD	2026-02-05
DESIGNED	
PREPARED	JPR
REVIEWED	CSI
APPROVED	DPD

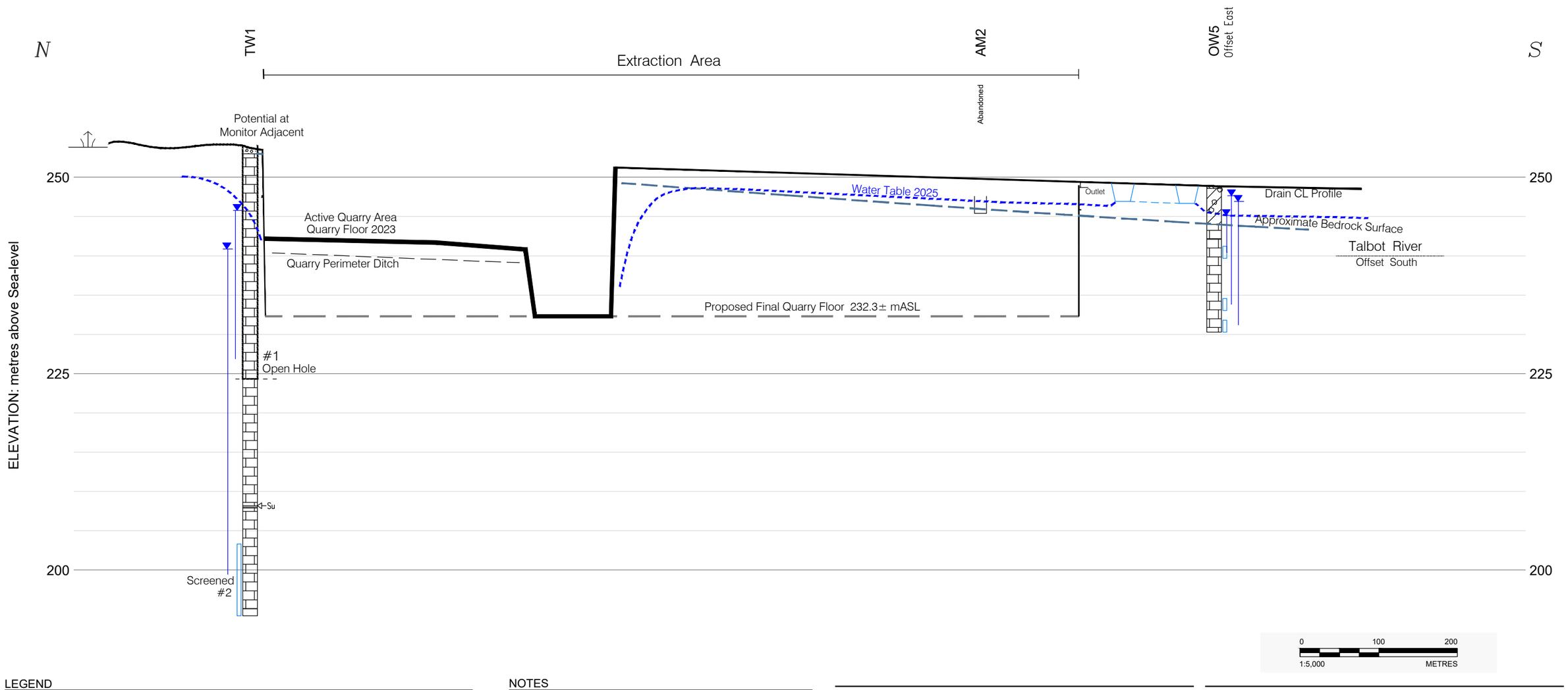
PROJECT
STAN McCARTHY QUARRY
2025 ANNUAL MONITORING REPORT

TITLE
SITE PLAN

PROJECT NO.	CONTROL	REV.	FIGURE
CA0052306	0001	----	2

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B





LEGEND

▼ Static Water Level (Monitored October 2025)

NOTES

On all sections, boundaries between soil strata have been determined only at well and test well locations. Between the wells and test wells, boundaries are not proven but are assumed from geological evidence.

Profile of Quarry floor revised 2024 based on floor spot elevations.

CLIENT
GIP AGGREGATES INC.

CONSULTANT
wsp

YYYY-MM-DD	2026-02-05
DESIGNED	
PREPARED	JPR
REVIEWED	CSI
APPROVED	DPD

PROJECT
STAN McCARTHY QUARRY
2025 ANNUAL MONITORING REPORT

TITLE
SITE SECTION A - A'

PROJECT NO.	CONTROL	REV.	FIGURE
CA0052306	0001	----	3

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B

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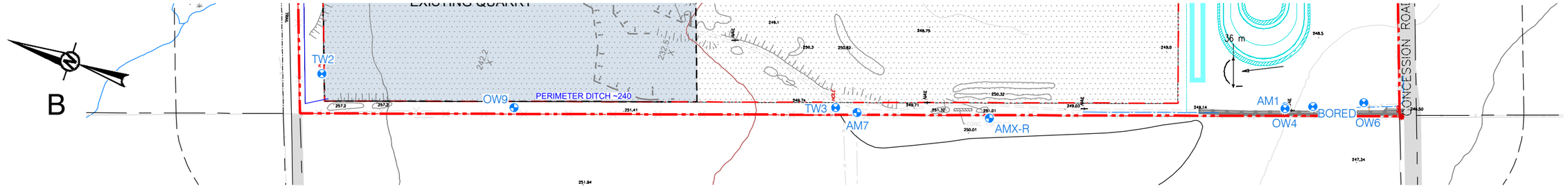

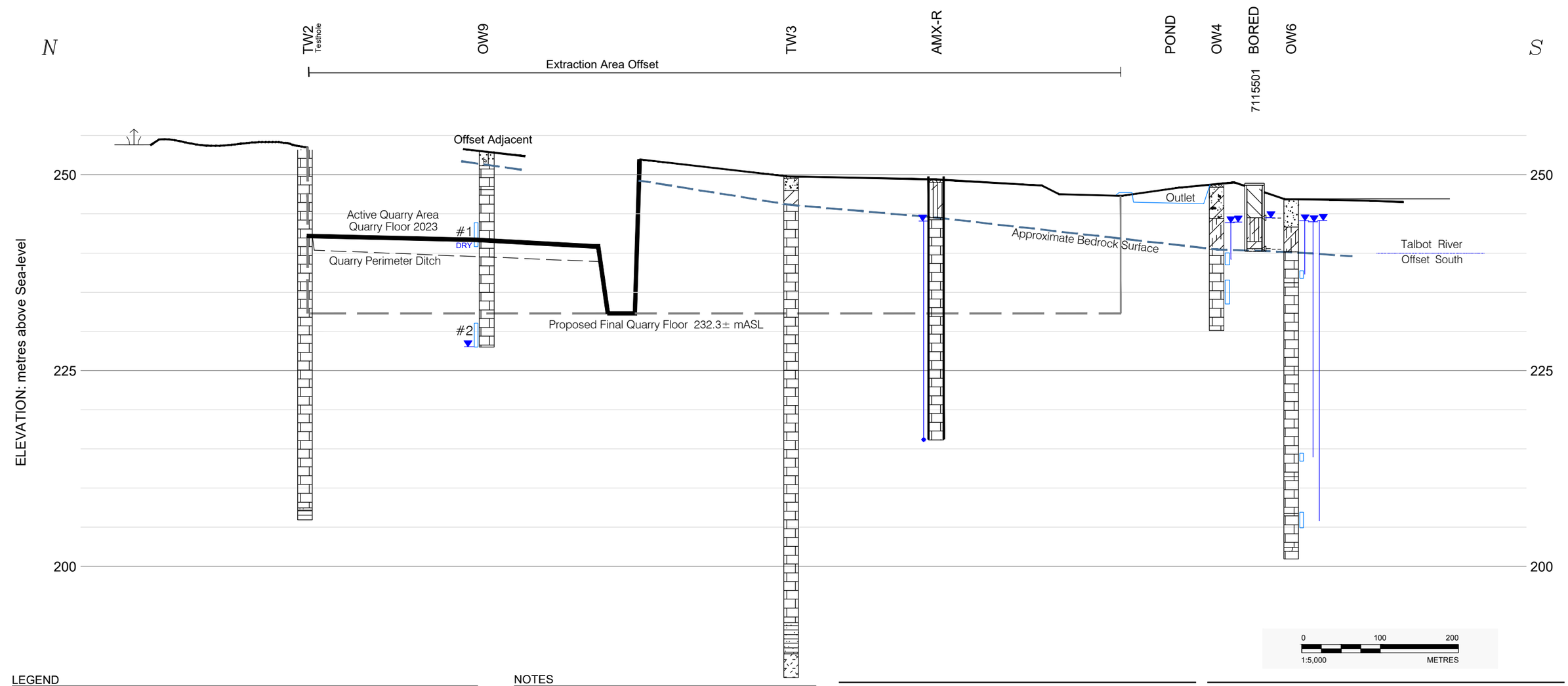

0 100 200
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LEGEND

▼ Static Water Level (Monitored October 2025)

NOTES

On all sections, boundaries between soil strata have been determined only at well and test well locations. Between the wells and test wells, boundaries are not proven but are assumed from geological evidence.

Depth of Quarry measured in offset Blast Hole drilling 2014 and reflecting maximum depth. Revised 2024 based on floor spot elevations.

CLIENT
GIP AGGREGATES INC.

CONSULTANT
wsp

YYYY-MM-DD	2026-02-05
DESIGNED	
PREPARED	JPR
REVIEWED	CSI
APPROVED	DPD

PROJECT
STAN McCARTHY QUARRY
2025 ANNUAL MONITORING REPORT

TITLE
SITE SECTION B - B'

PROJECT NO.	CONTROL	REV.	FIGURE
CA0052306	0001	----	4

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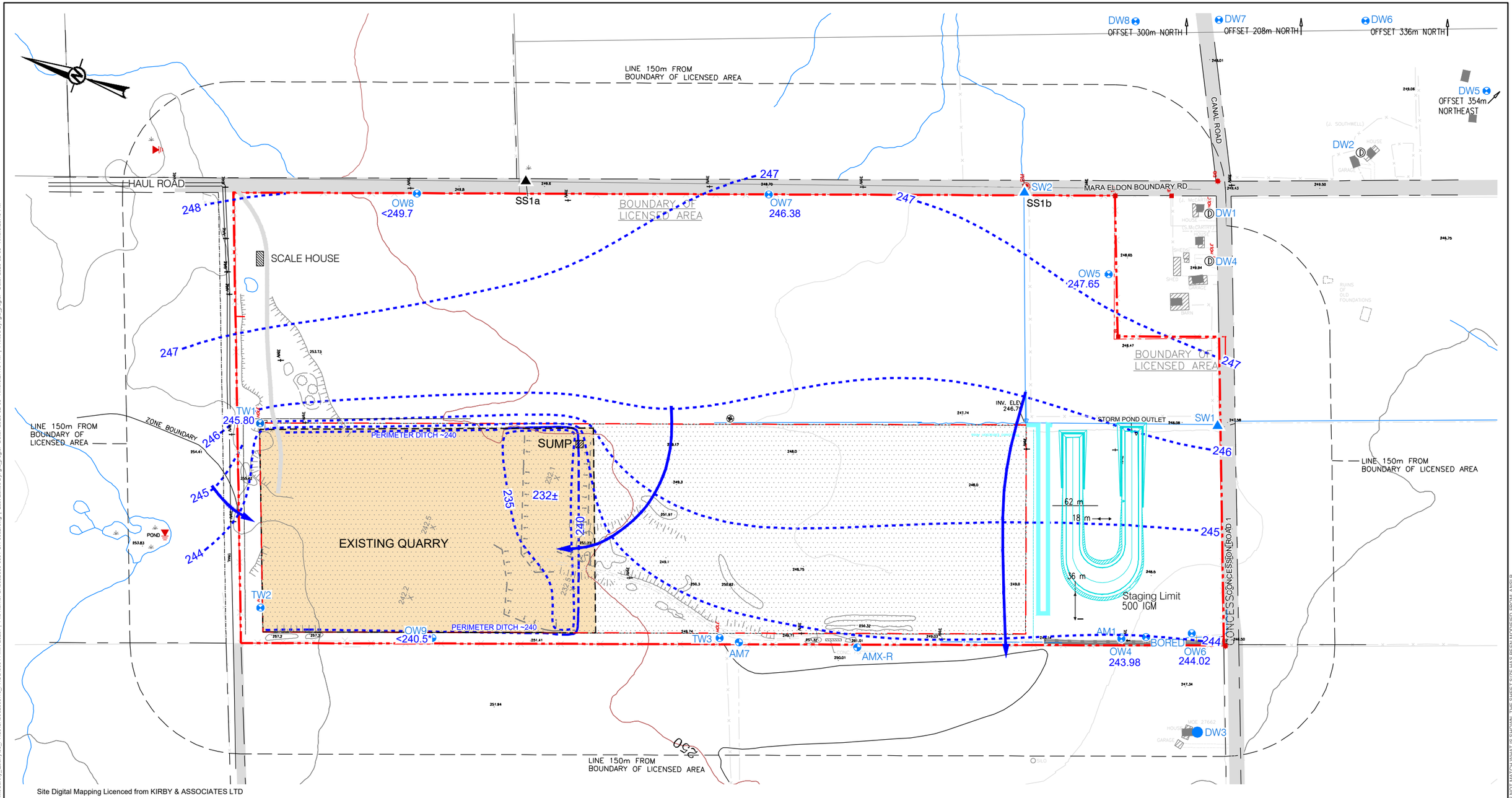

Site Digital Mapping Licenced from KIRBY & ASSOCIATES LTD

0 100 200
1:5,000 METRES

LEGEND

- Quarry Boundary
- Limit of Extraction
- Swales and Drainage Plan
- 245.67 Static Water Level (October 2025)
- Equipotential Line (masl)
- Inferred Groundwater Flow (Upper Bobcaygeon)
- ▲ Surface Water Sampling Location
- Ⓓ Private Dug Well
- ● Private Drilled Well
- ■ Standpipe
- ◔ Test Well

NOTES

1. Test Well AM7 inaccessible
2. DW1 Formally Degroot
3. DW2 Formally Southwell
4. DW3 Formally Lamarre
5. DW4 Formally McCarthy
6. AMX decommissioned replaced with AMX-R
7. Static levels taken October 22, 2024
8. *OW9 #1 above Quarry Floor, #2 below Floor

CLIENT
GIP AGGREGATES INC.

CONSULTANT
wsp

YYYY-MM-DD	2026-02-05
DESIGNED	
PREPARED	JPR
REVIEWED	CSI
APPROVED	DPD

PROJECT
STAN McCARTHY QUARRY
2025 ANNUAL MONITORING REPORT

TITLE
GROUNDWATER FLOW
BOBCAYGEON (UPPER FORMATION)

PROJECT NO.	CONTROL	REV.	FIGURE
CA0052306	0001	----	5

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

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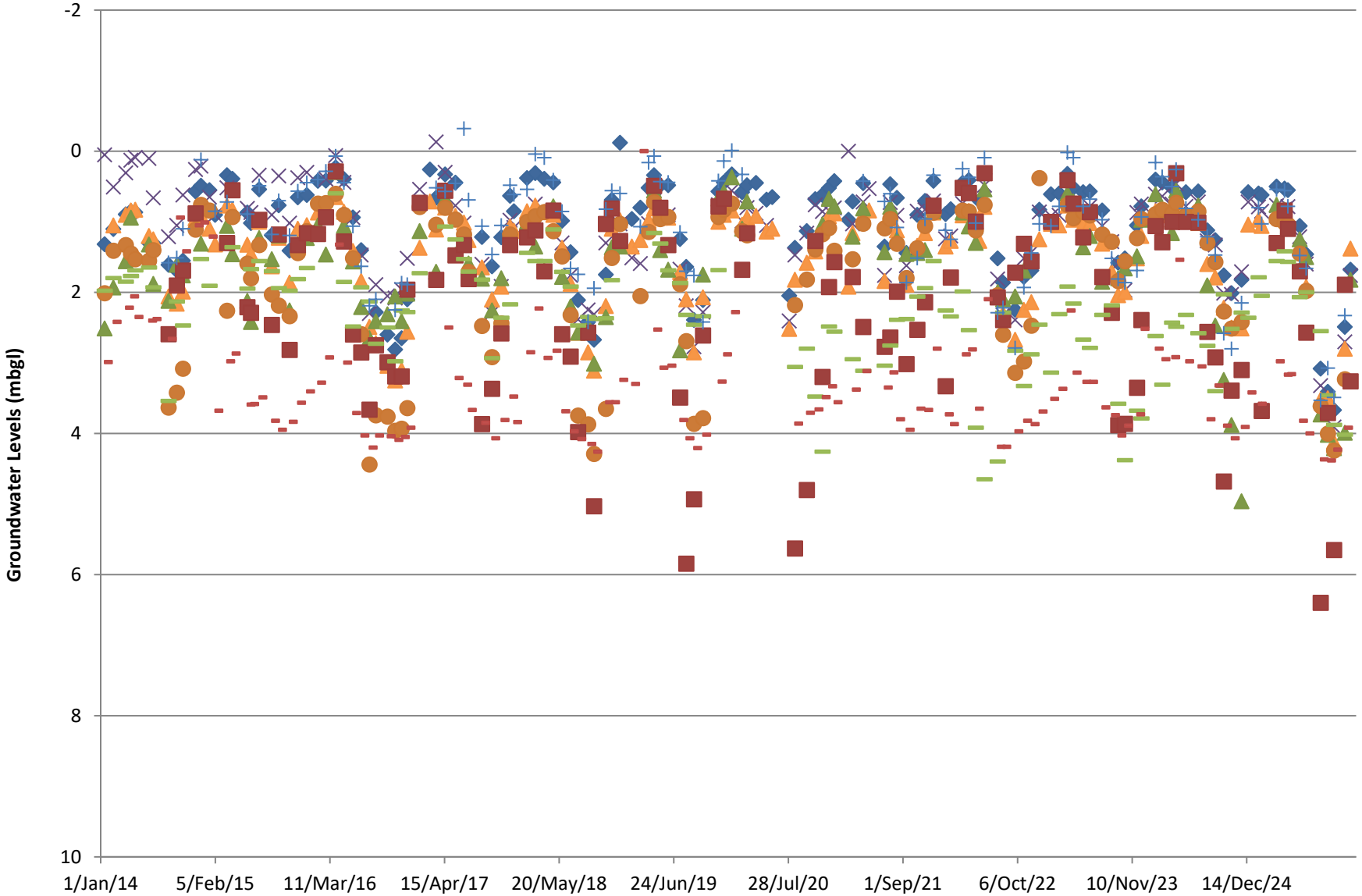


◆ Bored	× OW5-1	▲ AM1b	
▲ DW1	● DW2	■ DW4	
– DW6	+ DW7	- DW8	

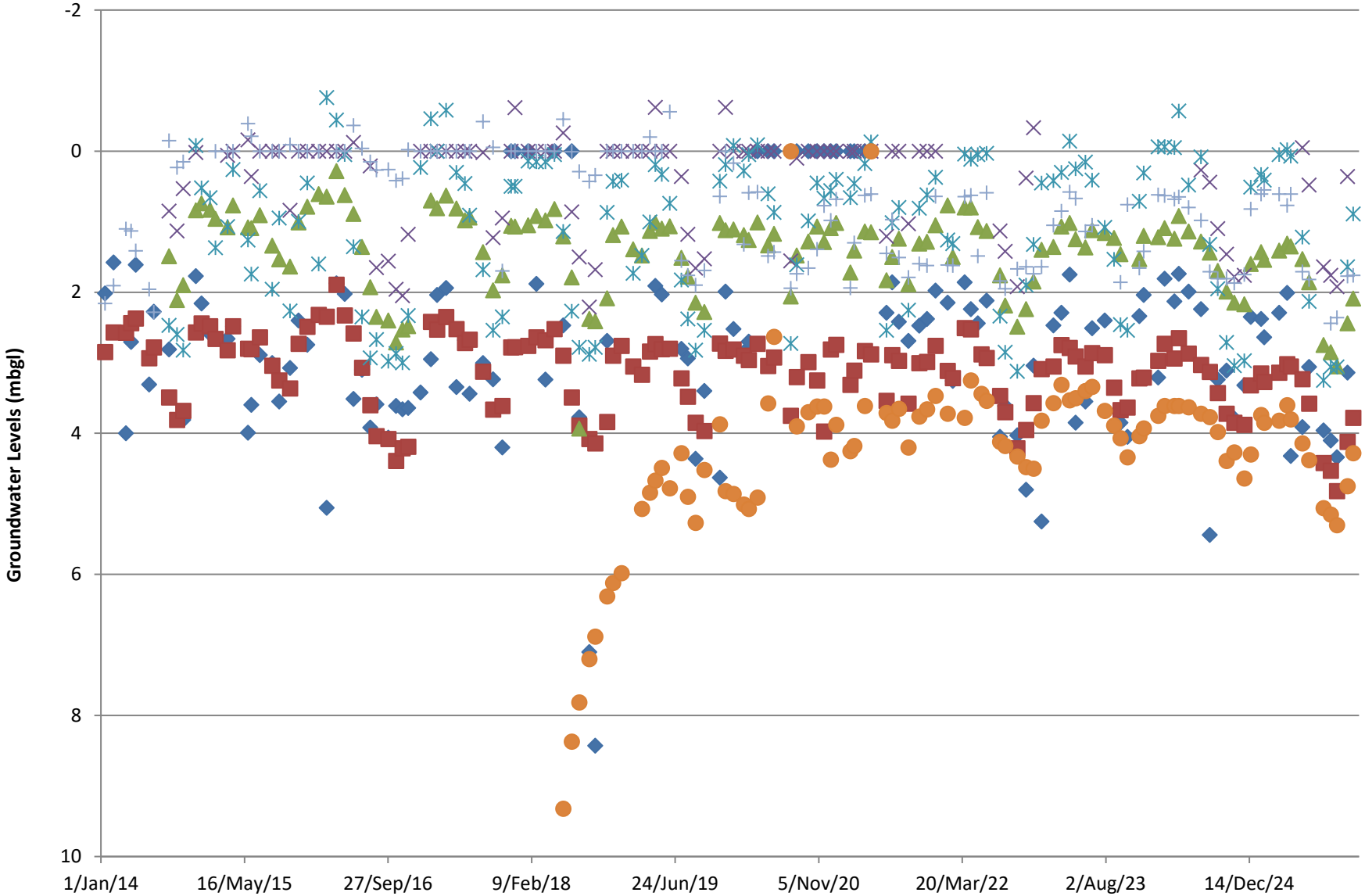
wsp

		SCALE:	NTS
		DATE:	18-Feb-26
		CAD:	CSI
FILE No.		TEST:	
PROJECT No.	CA0052306.5688	REVIEW:	SM

McCarthy Quarry
Overburden Monitoring Wells
Groundwater Levels

Green Infrastructure Partners Industrial Inc.
2025 Annual Monitoring Report

FIGURE No
6



DW3 OW4-1 OW6-1
OW7-1 OW8-1 Amx-R
CKL-1

wsp

SCALE:	NTS
DATE:	18-Feb-26
CAD:	CSI
TEST:	
REVIEW:	SM

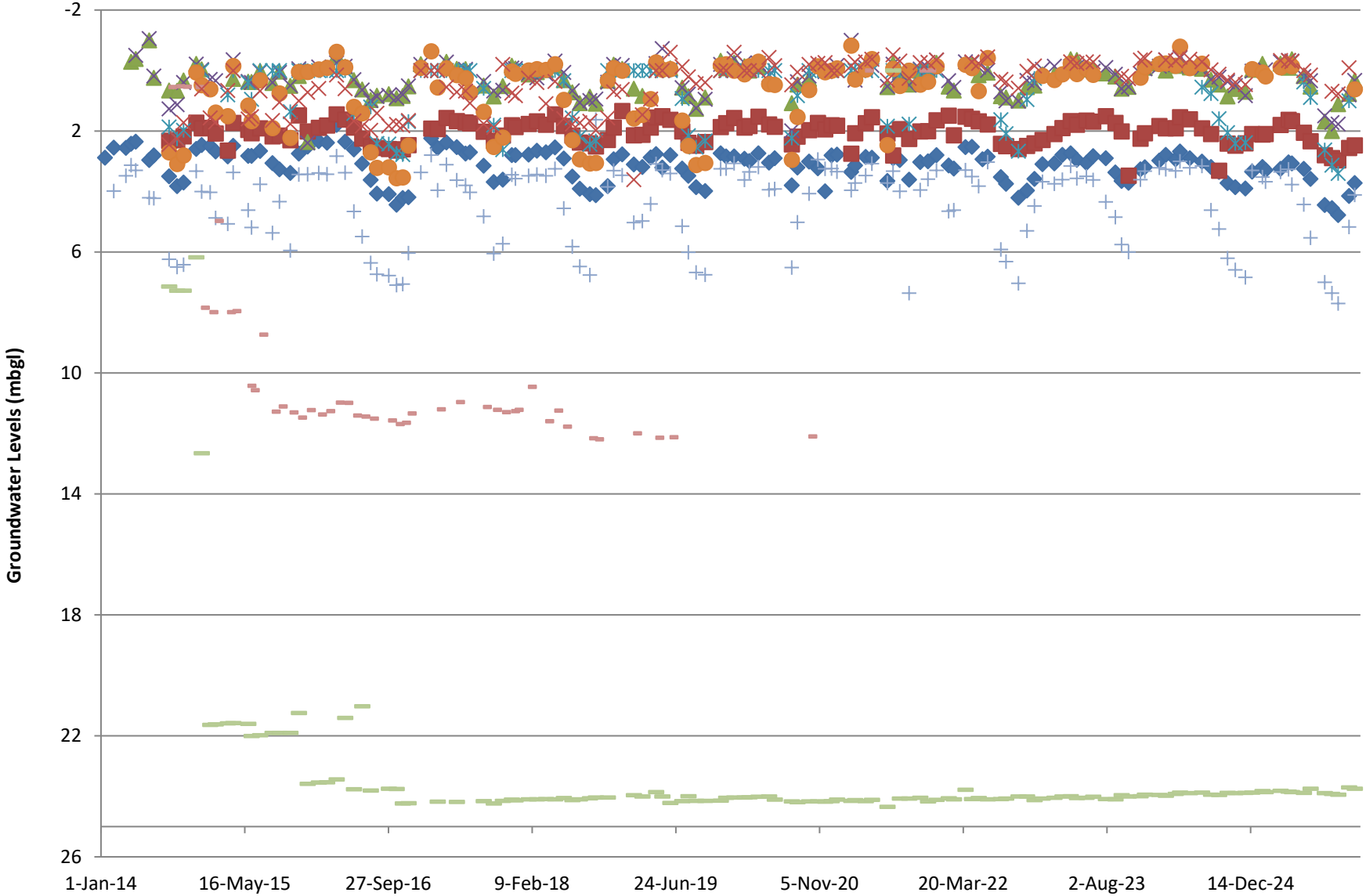
FILE No.

PROJECT No. CA0052306.5688

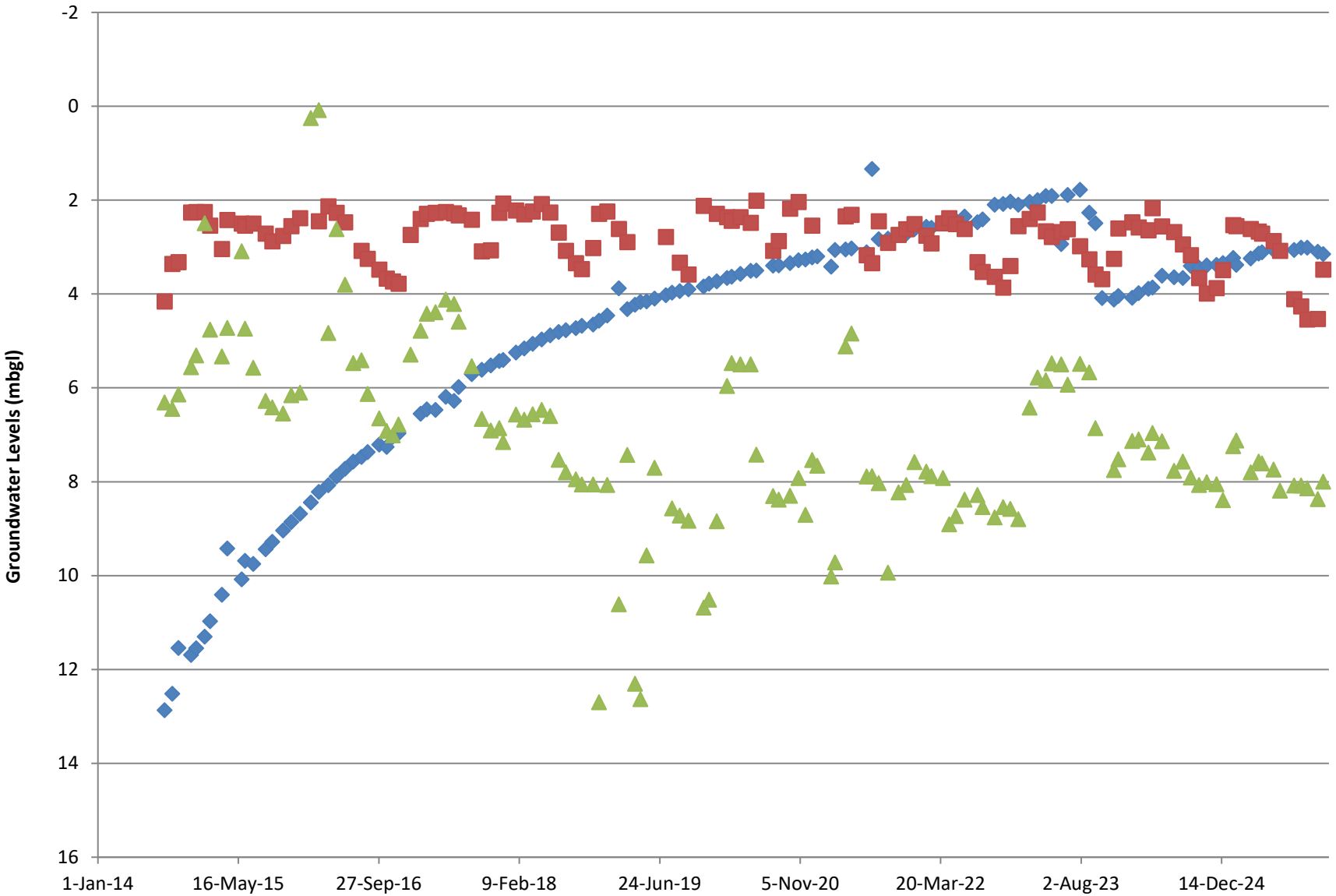
McCarthy Quarry
Verulam Monitoring Wells
Groundwater Levels

Green Infrastructure Partners Indsutrial Inc.
2025 Annual Monitoring Report

FIGURE No
7



◆ OW4-2 ■ OW6-2 ▲ OW5-2		SCALE: NTS	**McCarthy Quarry**
✕ OW5-3 ✳ OW7-2 ● OW8-2	wsp	DATE: 18-Feb-26	**Bobcaygeon Monitoring Wells**
+ TW1-1 - OW9-1 — OW9-2		CAD: CSI	**Groundwater Level**
✕ CLK-2	FILE No.	TEST:	Green Infrastructure Partners Industrial Inc. / 2025 Annual Monitoring Report — FIGURE No **8**
	PROJECT No. CA0052306.5688	REVIEW: SM	



◆ OW6-3
■ OW7-3
▲ OW8-3

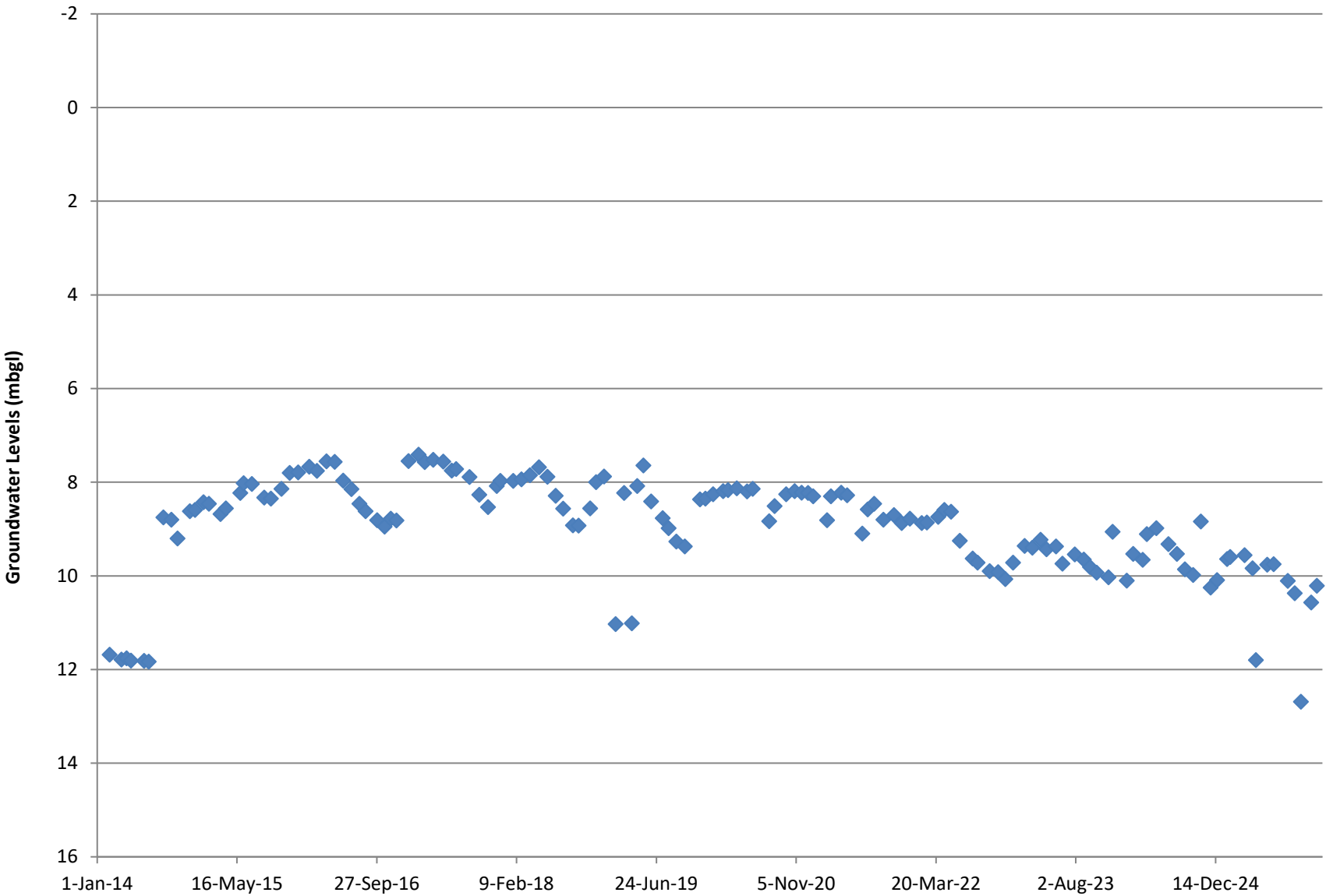
wsp

SCALE:	NTS
DATE:	18-Feb-26
CAD:	CSI
FILE No.	
TEST:	
PROJECT No.	CA0052306.5688
REVIEW:	SM

McCarthy Quarry
Gull River Monitoring Wells
Groundwater Level

Green Infrastructure Partners Industrial Inc.
2025 Annual Monitoring Report

FIGURE No
9



◆ TW1-2

wsp	SCALE: NTS	McCarthy Quarry Precambrian Monitoring Wells Groundwater Level	
	DATE: 18-Feb-26		
	CAD: CSI		
FILE No.	TEST:	Green Infrastructure Partners Industrial Inc.	FIGURE No
PROJECT No. CA0052306.5688	REVIEW: SM	2025 Annual Monitoring Report	10

APPENDIX A

PTTW No. 0721-DDKR57

PERMIT TO TAKE WATER
Ground Water
NUMBER 0721-DDKR57

Pursuant to Section 34.1 of the Ontario Water Resources Act, R.S.O. 1990 this Permit To Take Water is hereby issued to:

GIP Industrial Inc.
100 Commerce Valley Dr W
Markham, Ontario, L3T 0A1
Canada

For the water taking from: Quarry Sump

Located at: Lot 1, Concession 1, Geographic Township of Mara
Ramara, County of Simcoe

For the purposes of this Permit, and the terms and conditions specified below, the following definitions apply:

DEFINITIONS

(a) "Director" means any person appointed in writing as a Director pursuant to section 5 of the OWRA for the purposes of section 34.1, OWRA.

(b) "Provincial Officer" means any person designated in writing by the Minister as a Provincial Officer pursuant to section 5 of the OWRA.

(c) "Ministry" means Ontario Ministry of the Environment, Conservation and Parks.

(d) "District Office" means the Barrie District Office.

(e) "Permit" means this Permit to Take Water No. 0721-DDKR57 including its Schedules, if any, issued in accordance with Section 34.1 of the OWRA.

(f) "Permit Holder" means GIP Industrial Inc..

(g) "OWRA " means the *Ontario Water Resources Act,* R.S.O. 1990, c. O. 40, as amended.

You are hereby notified that this Permit is issued subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. Compliance with Permit

1.1 Except where modified by this Permit, the water taking shall be in accordance with the application for this Permit To Take Water, dated November 1, 2024 and signed by Gerald Quinlan, and all Schedules included in this Permit.

1.2 The Permit Holder shall ensure that any person authorized by the Permit Holder to take water under this Permit is provided with a copy of this Permit and shall take all reasonable measures to ensure that any such person complies with the conditions of this Permit.

1.3 Any person authorized by the Permit Holder to take water under this Permit shall comply with the conditions of this Permit.

1.4 This Permit is not transferable to another person without the Director's written consent.

1.5 This Permit provides the Permit Holder with permission to take water in accordance with the conditions of this Permit, up to the date of the expiry of this Permit. This Permit does not constitute a legal right, vested or otherwise, to a water allocation, and the issuance of this Permit does not guarantee that, upon its expiry, it will be renewed.

1.6 The Permit Holder shall keep this Permit available at all times at or near the site of the taking, and shall produce this Permit immediately for inspection by a Provincial Officer upon his or her request.

1.7 The Permit Holder shall report any changes of address to the Director within thirty days of any such change. The Permit Holder shall report any change of ownership of the property for which this Permit is issued within thirty days of any such change.

2. General Conditions and Interpretation

2.1 Inspections
The Permit Holder must forthwith, upon presentation of credentials, permit a Provincial Officer to carry out any and all inspections authorized by the OWRA, the *Environmental Protection Act*, R.S.O. 1990, the *Pesticides Act*, R.S.O. 1990, or the *Safe Drinking Water Act,* S. O. 2002.

2.2 Other Approvals
The issuance of, and compliance with this Permit, does not:

(a) relieve the Permit Holder or any other person from any obligation to comply with any other applicable legal requirements, including the provisions of the *Ontario Water Resources Act*, and the *Environmental Protection Act*, and any regulations made thereunder; or

(b) limit in any way any authority of the Ministry, a Director, or a Provincial Officer, including the authority to require certain steps be taken or to require the Permit Holder to furnish any further information related to this Permit.

2.2.1 No water taken under the authority of this Permit may be discharged directly to the natural environment without prior treatment in accordance with an Ontario Water Resources Act, R.S.O. 1990, Section 53, Industrial Sewage Works Approval.

2.3 Information

The receipt of any information by the Ministry, the failure of the Ministry to take any action or require any person to take any action in relation to the information, or the failure of a Provincial Officer to prosecute any person in relation to the information, shall not be construed as:

(a) an approval, waiver or justification by the Ministry of any act or omission of any person that contravenes this Permit or other legal requirement; or

(b) acceptance by the Ministry of the information's completeness or accuracy.

2.4 Rights of Action

The issuance of, and compliance with this Permit shall not be construed as precluding or limiting any legal claims or rights of action that any person, including the Crown in right of Ontario or any agency thereof, has or may have against the Permit Holder, its officers, employees, agents, and contractors.

2.5 Severability

The requirements of this Permit are severable. If any requirements of this Permit, or the application of any requirements of this Permit to any circumstance, is held invalid or unenforceable, the application of such requirements to other circumstances and the remainder of this Permit shall not be affected thereby.

2.6 Conflicts

Where there is a conflict between a provision of any submitted document referred to in this Permit, including its Schedules, and the conditions of this Permit, the conditions in this Permit shall take precedence.

3. Water Takings Authorized by This Permit

3.1 **Expiry**

This Permit expires on **January 31, 2035**. No water shall be taken under authority of this Permit after the expiry date.

3.2 Amounts of Taking Permitted

The Permit Holder shall only take water from the source, during the periods and at the rates and amounts of taking specified in Table A. Water takings are authorized only for the purposes specified in Table A.

Table A

	Source Name / Description:	Source: Type:	Taking Specific Purpose:	Taking Major Category:	Max. Taken per Minute (litres):	Max. Num. of Hrs Taken per Day:	Max. Taken per Day (litres):	Max. Num. of Days Taken per Year:	Zone/ Easting/ Northing:
1	Quarry Sump	Pond Connected	Pits and Quarries	Dewatering	4,545	24	6,544,800	250	17 651324 4933188
						Total Taking:	6,544,800		

3.3 Notwithstanding Table A, the **maximum taking per year** from **Source 1** (Quarry Sump) is 196,500,000 litres.

3.4 The Permit Holder shall not lower the water in the quarry below an elevation of 232.0 metres above sea level.

4. Monitoring

4.1 The Permit Holder shall maintain a record of all water takings. The daily volume of water taken shall be measured by a flow meter or calculated in accordance with the method described in the application for this Permit, or as otherwise accepted by the Director. This record shall include the dates and times of water takings, the rates of pumping, and the total measured amounts of water pumped per day for each day that water is taken under the authorization of this Permit. A separate record shall be maintained for each source. The Permit Holder shall keep all required records up to date and available at or near the site of the taking and shall produce the records immediately for inspection by a Provincial Officer upon his or her request. The Permit Holder shall submit, on or before March 31st in every year, the daily water taking data collected and recorded for the previous year to the Ministry's Water Taking Reporting System.

4.2 The Permit Holder shall conduct daily water level monitoring with the use of pressure transducers and data loggers at:

a) The residential well known by the MOE Water Well Record Number 5727662 and identified as well DW3 on Figure 2 in **Item 2** of **Schedule A** of this Permit, if granted permission by the property owner.

b) The monitoring wells named OW4-1, OW4-2, OW5-1, OW6-1, OW6-2, OW8-3, OW9-2, and Bored Well (shown on Figure 2, in **Item 2** of **Schedule A** of this Permit).

c) The City of Kwartha Lakes monitoring well CKL-1, if granted permission by the property owner.

These pressure transducers and data loggers shall be inspected and downloaded at least every 6 months.

4.3 The Permit Holder shall conduct monthly water level monitoring with the use of a manual water level meter at:

a) The residential well known by the MOE Water Well Record Number 5727662 and identified as well DW3 on Figure 2 in Item 2 of Schedule A of this Permit, if granted permission by the property owner.

b) The residential wells named DW1, DW2, and DW4, if granted permission by the property owner (shown on Figure 2, in **Item 2** of **Schedule A** of this Permit).

c) The monitoring wells named AM1b, AMX-R, TW1-1, OW4-1, OW4-2, OW5-1, OW5-2, OW5-3, OW6-1, OW6-2, OW6-3, OW7-1, OW7-2, OW7-3, OW8-1, OW8-2, OW8-3, OW9-1, OW9-2, and Bored Well (shown on Figure 2 in **Item 2** of **Schedule A** of this Permit).

d) The City of Kwartha Lakes monitoring wells CKL-1 and CKL-2, if granted permission by the property owner.

The Permit Holder may suspend monthly water level monitoring under Condition 4.3 for the months of January and/or February if no water is taken from the quarry on those months.

4.4 The Permit Holder shall, if granted permission by the property owner, measure and record static water levels in the residential wells named DW6, DW7, and DW8, as shown on Figure 2 in **Item 2** of **Schedule A** of this Permit, at least once in every two (2) month period during which water is taken from the quarry. The Permit Holder may suspend monthly water level monitoring under Condition 4.4 for the months of January and/or February if no water is taken from the quarry on those months.

4.5 The Permit Holder shall, if granted permission by the property owner, on a semi-annual basis collect raw water samples from the residential wells named DW1, DW2, and the well identified in condition 4.2(a). Each sample shall be tested, at a minimum, for the parameters listed in Table 1 below:

Table 1: Water Quality Parameters for Residential Wells

pH	Sulphate	DOC	Copper
Alkalinity (CaCO3)	Magnesium	Colour	Iron
Bicarbonate	Calcium	Turbidity	Lead
Conductivity	Sodium	Aluminium	Manganese
Fluoride	Potassium	Arsenic	Selenium
Chloride	Ammonia (N)	Barium	Zinc
Nitrate	Phosphate	Boron	Hardness (CaCO3)
Nitrite	Phosphorus	Cadmium	TDS (iron sum calc.)
Chromium	Anion Sum	Ion Ratio	Langelier Index

Tannins	Cation Sum	% Difference	

The Permit Holder shall immediately report to the respective well owner, the Director, and District Office any sampling result that exceeds the Ontario Drinking Water Quality Standards as prescribed by O.Reg. 169/03, as amended.

4.6 The Permit Holder shall on a semi-annual basis conduct the groundwater quality monitoring from the on-site groundwater monitors listed in Table 2. Each sample shall be tested, at a minimum, for the parameters listed in Table 3.

Table 2: On-Site Groundwater Monitors for Water Quality Sampling

AM1b	OW4-I	OW5-III	OW8-I
AMX-R	OW4-II	OW6-II	OW8-II
TW1-1	OW5-I	OW7-I	OW9-I
Bored Well	OW5-II	OW7-II	OW9-II

Table 3: Water Quality Parameters for On-Site Groundwater Monitors

pH	Magnesium	Sulphate	Conductivity
Alkalinity	Calcium	Nitrate	DOC
Bicarbonate	Sodium	Nitrite	Colour
Fluoride	Potassium	Phosphate	TDS
Chloride	Ammonia	Phosphorus	Hardness

4.7 The Permit Holder shall notify the Director, in writing, within 30 days if the groundwater level or groundwater quality monitoring of any well listed under conditions 4.2, 4.3, 4.4, 4.5, and 4.6 is not possible, including being denied access to a private well. In the event of damage or loss of any monitoring well, monitoring devices or related equipment, the Permit Holder shall be allowed 30 calendar days from the date of discovery of the occurrence to repair or replace equipment. If a well is too damaged to be repaired or monitored, or if the well is deemed unsafe to be monitored, then the Director will decide if a replacement well is required and will modify the appropriate monitoring conditions in a written letter to the Permit Holder.

4.8 The Permit Holder shall submit an annual monitoring report to the Director **by no later than March 1 of each year** during the life of this Permit. The annual monitoring report shall be prepared by an individual with P.Geo. or equivalent qualifications and shall include, at a minimum:

a) The review and assessment of all monitoring data required by this Permit.

b) An up-date of the quarry operations and predicted quarrying and dewatering for the next twelve (12) months.

c) An assessment of the groundwater trends using the on-site on off-site monitoring data.

This analysis should state the actual impact area of quarry dewatering and determine the potential for off-site impacts. If any impacts are predicted then a detailed mitigation plan shall be included within this report.

d) Analysis that includes amount of water pumped, precipitation data, and an estimate of how much groundwater was pumped versus surface water.

e) Figures that include site maps with current quarry depths, groundwater contour maps, impact area of quarry dewatering, groundwater elevation graphs, and geological cross-sections.

f) Any groundwater interference complaints.

g) Description of all communication with the public.

h) Conclusions and recommendations, if any, to improve the monitoring and reporting at the site.

An electronic copy of the data collected must also accompany the report.

4.9 The Permit Holder shall make available on a publicly-accessible site on the internet all water quality and quantity data that is required under this Permit and O.Reg. 387/04, as amended, and a copy of every report that is required to be prepared under this Permit. For greater clarity, the Permit Holder shall not publish any personal information as defined by the *Freedom of Information and Protection of Privacy Act,* R.S.O. 1990, c. F.31, as amended.

4.10 The Permit Holder shall maintain a Public Liaison Committee ("PLC") comprised of not more than seven (7) members that will meet **at least once every four (4) months**, unless the majority of the PLC decide that more or less frequent meetings are required. The PLC shall be comprised of: two (2) members appointed by the Permit Holder - one of whom shall act as Chairperson; one (1) member from each of the Township and the County, if they wish to have representatives; and three (3) members appointed by the public, if they wish to have representatives, who must be permanent residents within a 3 kilometre radius of the quarry property. The PLC shall serve in an advisory / community liaison role and shall have no powers to direct the Permit Holder or the Ministry.

4.11 Any request for an amendment or renewal of this Permit shall be accompanied by a report prepared by an individual with P.Geo. or equivalent qualifications and shall include, at a minimum:

a) The review and assessment of all monitoring data required by this Permit.

b) An up-date of the quarry operations and predicted quarrying and dewatering for the duration of the requested permit.

c) An assessment of the groundwater trends using the on-site and off-site monitoring data. This analysis should state the actual impact area of quarry dewatering and determine the potential for off-site impacts. If any impacts are predicted then a detailed mitigation plan shall be included within this report.

d) Analysis that includes amount of water pumped, precipitation data, and an estimate of how much groundwater was pumped versus surface water.

e) Figures that include site maps with current quarry depths, groundwater contour maps, impact area of quarry dewatering, groundwater elevation graphs, and geological cross-sections.

f) Any groundwater interference complaints.

g) Description of all communication with the public.

h) Conclusions and recommendations, if any, to improve the monitoring and reporting at the site.

An electronic copy of the data collected must also accompany the report. Any application for renewal of this Permit must be submitted to the Ministry at least ninety (90) days prior to the expiry of this Permit.

4.12 The Permit Holder shall, as directed by the Ministry, participate in a cumulative impact assessment for the Carden Plain Area with other quarry operators who have been issued a Permit to Take Water in this area.

5. Impacts of the Water Taking

5.1 Notification

The Permit Holder shall immediately notify the local District Office of any complaint arising from the taking of water authorized under this Permit and shall report any action which has been taken or is proposed with regard to such complaint. The Permit Holder shall immediately notify the local District Office if the taking of water is observed to have any significant impact on the surrounding waters. After hours, calls shall be directed to the Ministry's Spills Action Centre at 1-800-268-6060.

5.2 For Groundwater Takings

If the taking of water is observed to cause any negative impact to other water supplies obtained from any adequate sources that were in use prior to initial issuance of a Permit for this water taking, the Permit Holder shall take such action necessary to make available to those affected, a supply of water equivalent in quantity and quality to their normal takings, or shall compensate such persons for their reasonable costs of so doing, or shall reduce the rate and amount of taking to prevent or alleviate the observed negative impact. Pending permanent restoration of the affected supplies, the Permit Holder shall provide, to those affected, temporary water supplies

adequate to meet their normal requirements, or shall compensate such persons for their reasonable costs of doing so.

If permanent interference is caused by the water taking, the Permit Holder shall restore the water supplies of those permanently affected.

6. Director May Amend Permit

The Director may amend this Permit by letter requiring the Permit Holder to suspend or reduce the taking to an amount or threshold specified by the Director in the letter. The suspension or reduction in taking shall be effective immediately and may be revoked at any time upon notification by the Director. This condition does not affect your right to appeal the suspension or reduction in taking to the Environmental Review Tribunal under the *Ontario Water Resources Act* , Section 100 (4).

The reasons for the imposition of these terms and conditions are as follows:

1. Condition 1 is included to ensure that the conditions in this Permit are complied with and can be enforced.

2. Condition 2 is included to clarify the legal interpretation of aspects of this Permit.

3. Conditions 3 through 6 are included to protect the quality of the natural environment so as to safeguard the ecosystem and human health and foster efficient use and conservation of waters. These conditions allow for the beneficial use of waters while ensuring the fair sharing, conservation and sustainable use of the waters of Ontario. The conditions also specify the water takings that are authorized by this Permit and the scope of this Permit.

In accordance with Section 100 of the Ontario Water Resources Act, R.S.O. 1990, you may by written notice served upon me, the Environmental Review Tribunal and the Minister of the Environment, Conservation and Parks, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Minister of the Environment, Conservation and Parks will place notice of your appeal on the Environmental Registry. Section 101 of the Ontario Water Resources Act, as amended provides that the Notice requiring a hearing shall state:

1. The portions of the Permit or each term or condition in the Permit in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

In addition to these legal requirements, the Notice should also include:

a. The name of the appellant;
b. The address of the appellant;
c. The Permit to Take Water number;
d. The date of the Permit to Take Water;
e. The name of the Director;
f. The municipality within which the works are located;

This notice must be served upon:

The Secretary
Environmental Review Tribunal
Registrar
Ontario Land Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5
OLT.Registrar@ontario.ca

AND

The Minister of the Environment,
Conservation and Parks
777 Bay Street, 5th Floor
Toronto, Ontario
M7J 2J3

AND

The Director, Section 34.1,
Ministry of the Environment,
Conservation and Parks
Floor 1, 135 St Clair Ave W
Toronto, ON
M4V 1P5

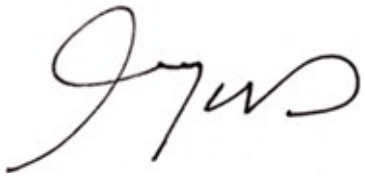
Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal:

by Telephone at	by Fax at	by e-mail at
(416) 212-6349	(416) 326-5370	www.ert.gov.on.ca
Toll Free 1(866) 448-2248	Toll Free 1(844) 213-3474	

This instrument is subject to Section 38 of the ***Environmental Bill of Rights*** *that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek to appeal for 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry, you can determine when the leave to appeal period ends.*

This Permit cancels and replaces Permit Number 5184-CQ7MQS, issued on 2023/03/27.

Dated at Toronto this 12th day of March, 2025.



Archana Uprety
Director, Section 34.1
Ontario Water Resources Act , R.S.O. 1990

Schedule A

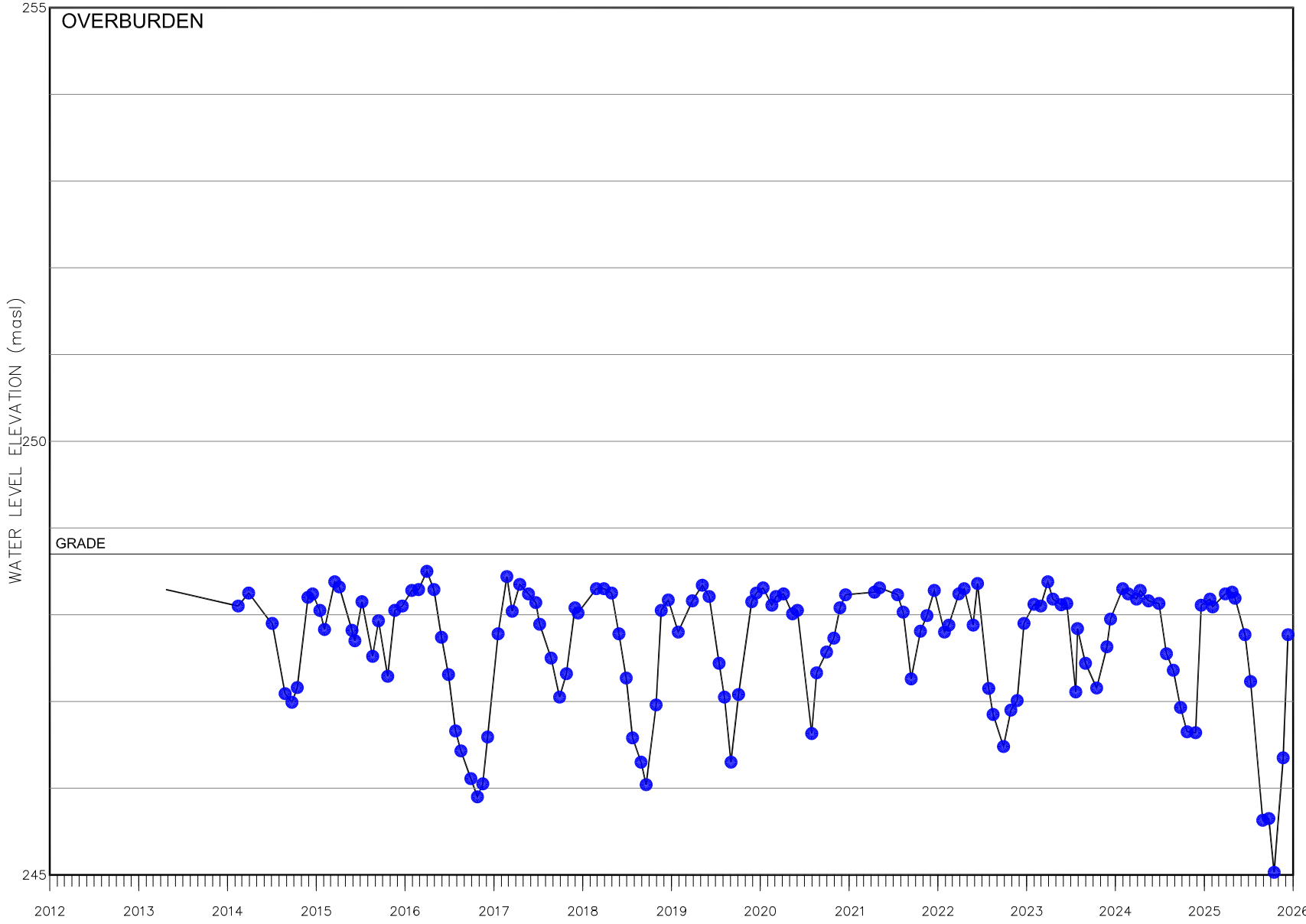
This Schedule "A" forms part of Permit To Take Water 0721-DDKR57, dated March 12, 2025.

1. Permit to Take Water Application, signed by Gerald Quinlan, dated November 1, 2024.
2. WSP Canada Inc. 2024. Hydrogeological Assessment, Permit to Take Water Renewal, McCarthy Quarry, report signed by Colin Imrie, GIT and Sean McFarland, P.Geo., dated November 2024.

APPENDIX B

Hydrographs

AM1B



MP Elevation 249.45 masl
Grade 248.7 masl

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15-Apr-21	248.26
06-May-21	248.31
19-Jul-21	248.23
11-Aug-21	248.03
13-Sep-21	247.26
21-Oct-21	247.81
17-Nov-21	247.99
17-Dec-21	248.28
28-Jan-22	247.80
15-Feb-22	247.88
28-Mar-22	248.24
19-Apr-22	248.30
26-May-22	247.88
13-Jun-22	248.36
29-Jul-22	247.15
16-Aug-22	246.85
28-Sep-22	246.48
28-Oct-22	246.90
23-Nov-22	247.01
21-Dec-22	247.90
31-Jan-23	248.12
28-Feb-23	248.10
29-Mar-23	248.38
19-Apr-23	248.18
23-May-23	248.12
15-Jun-23	248.13
22-Jul-23	247.11
29-Jul-23	247.84
31-Aug-23	247.44
16-Oct-23	247.15
27-Nov-23	247.63
12-Dec-23	247.95
31-Jan-24	248.30
23-Feb-24	248.24
28-Mar-24	248.18
12-Apr-24	248.28
16-May-24	248.16
28-Jun-24	248.13
29-Jul-24	247.55
26-Aug-24	247.36
25-Sep-24	246.93
22-Oct-24	246.65
26-Nov-24	246.64
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24-Jan-25	248.18
04-Feb-25	248.09
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25-Apr-25	248.26
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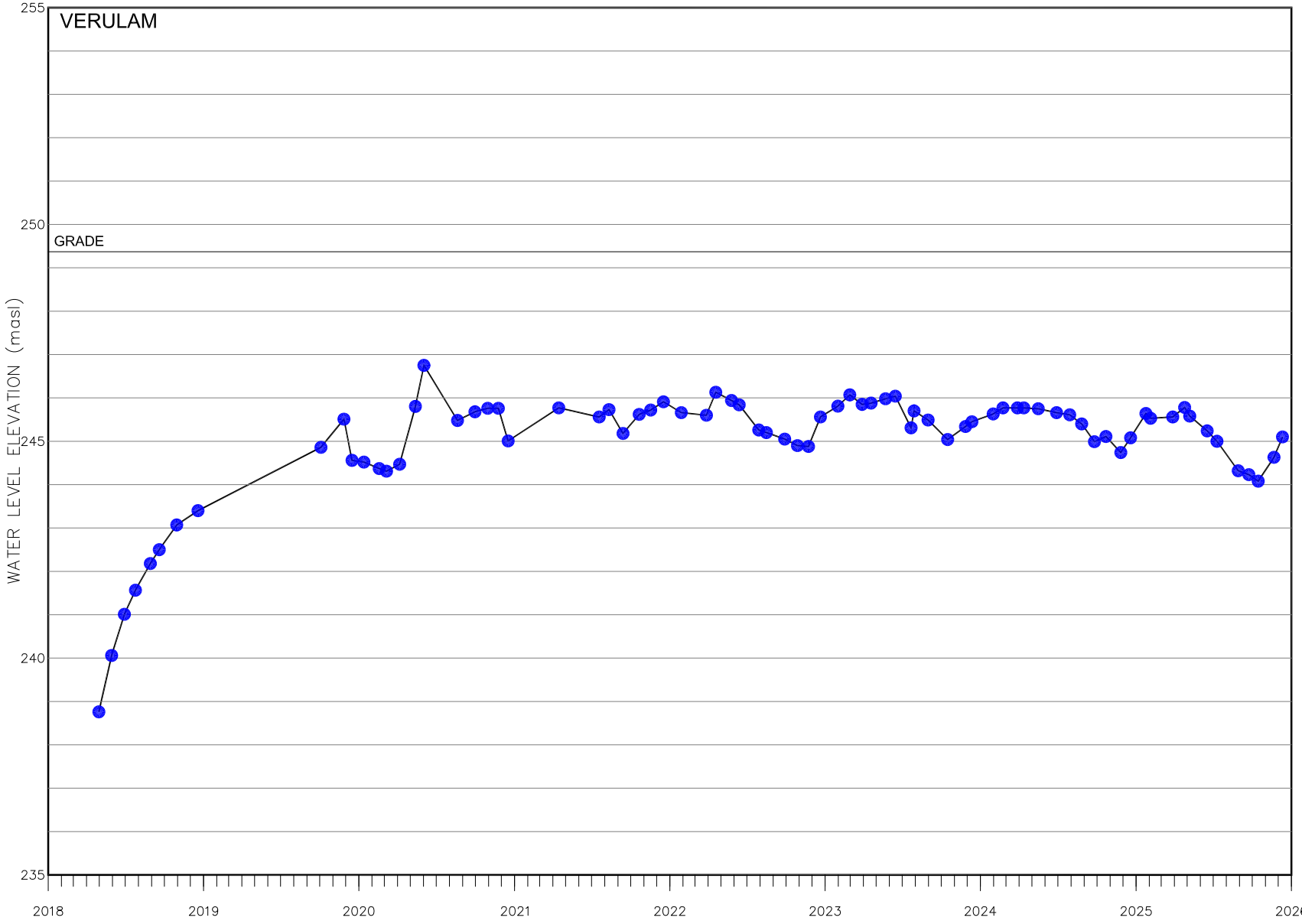
29-Aug-25	245.63
23-Sep-25	245.65
15-Oct-25	245.03
21-Nov-25	246.35
11-Dec-25	247.77

GIP AGGREGATES INC. STAN McCARTHY QUARRY	Job No. CA0023633 Date: 5 Feb 26	wsp	B25001

AMX-R



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15-Apr-21	245.77
19-Jul-21	245.56
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28-Mar-22	245.60
19-Apr-22	246.13
26-May-22	245.94
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22-Jul-23	245.31
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31-Aug-23	245.49
16-Oct-23	245.04
27-Nov-23	245.34
12-Dec-23	245.45
31-Jan-24	245.63
23-Feb-24	245.77
28-Mar-24	245.77
12-Apr-24	245.77
16-May-24	245.75
28-Jun-24	245.66
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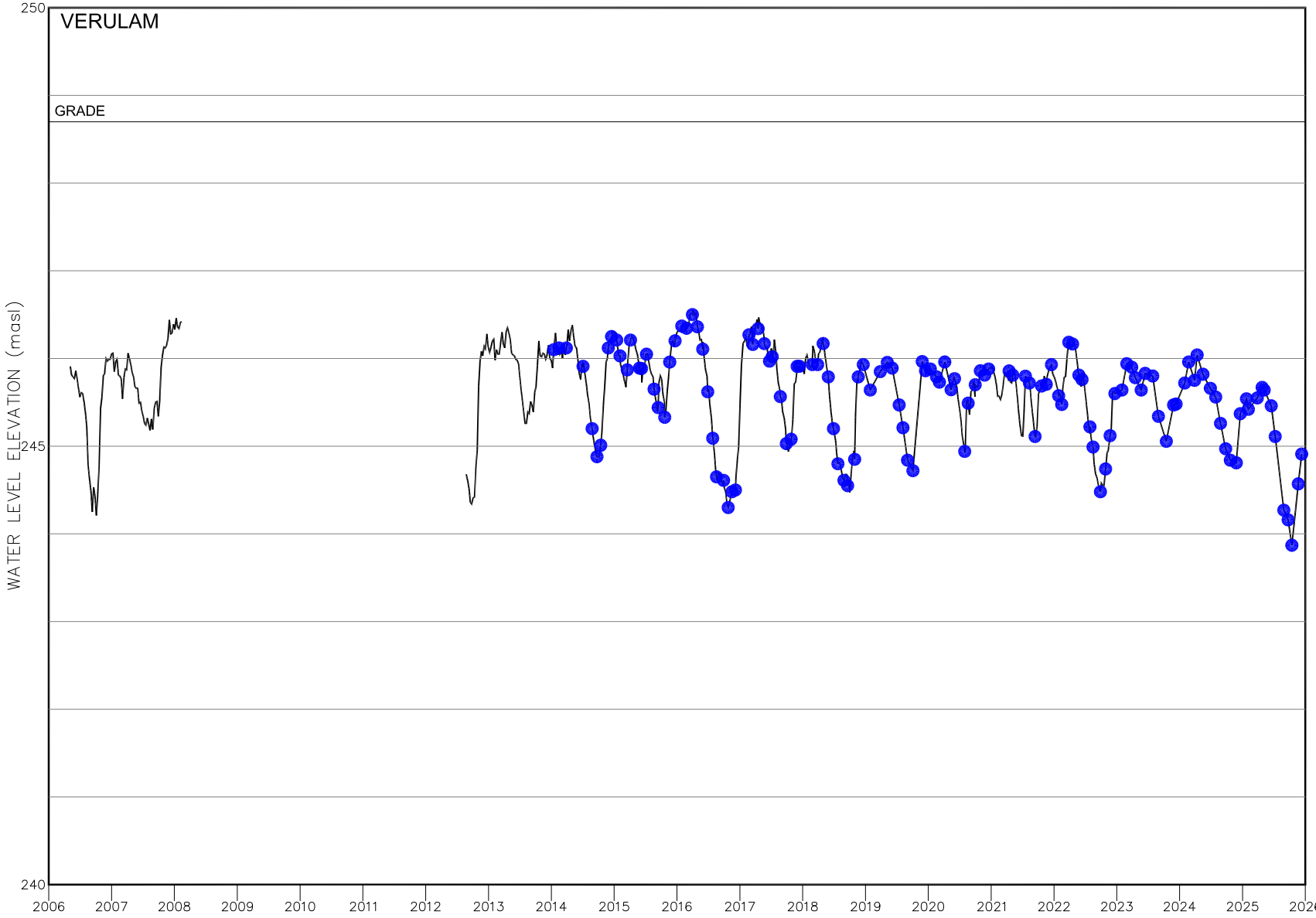
GIP AGGREGATES INC. STAN McCARTHY QUARRY	Job No. CA0023633 Date: 5 Feb 26	wsp	B25002

OW4#1



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Grade 248.7 masl

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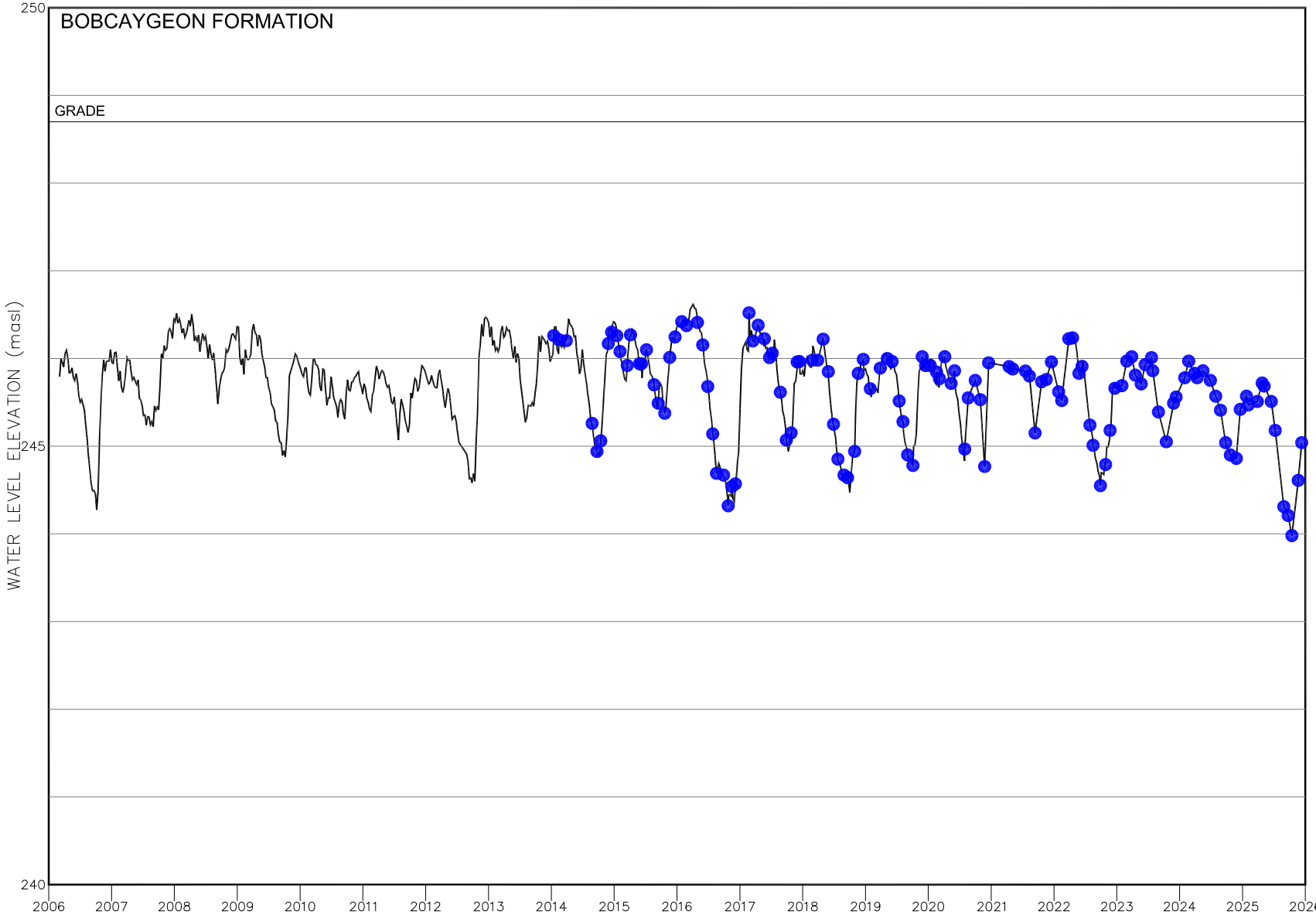
GIP AGGREGATES INC. STAN McCARTHY QUARRY	Job No. CA0023633 Date: 5 Feb 26	wsp	B25003

OW4#2



MP Elevation 249.62 masl
Grade 248.7 masl

DATE	ELEVATION
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12-Nov-22	244.99
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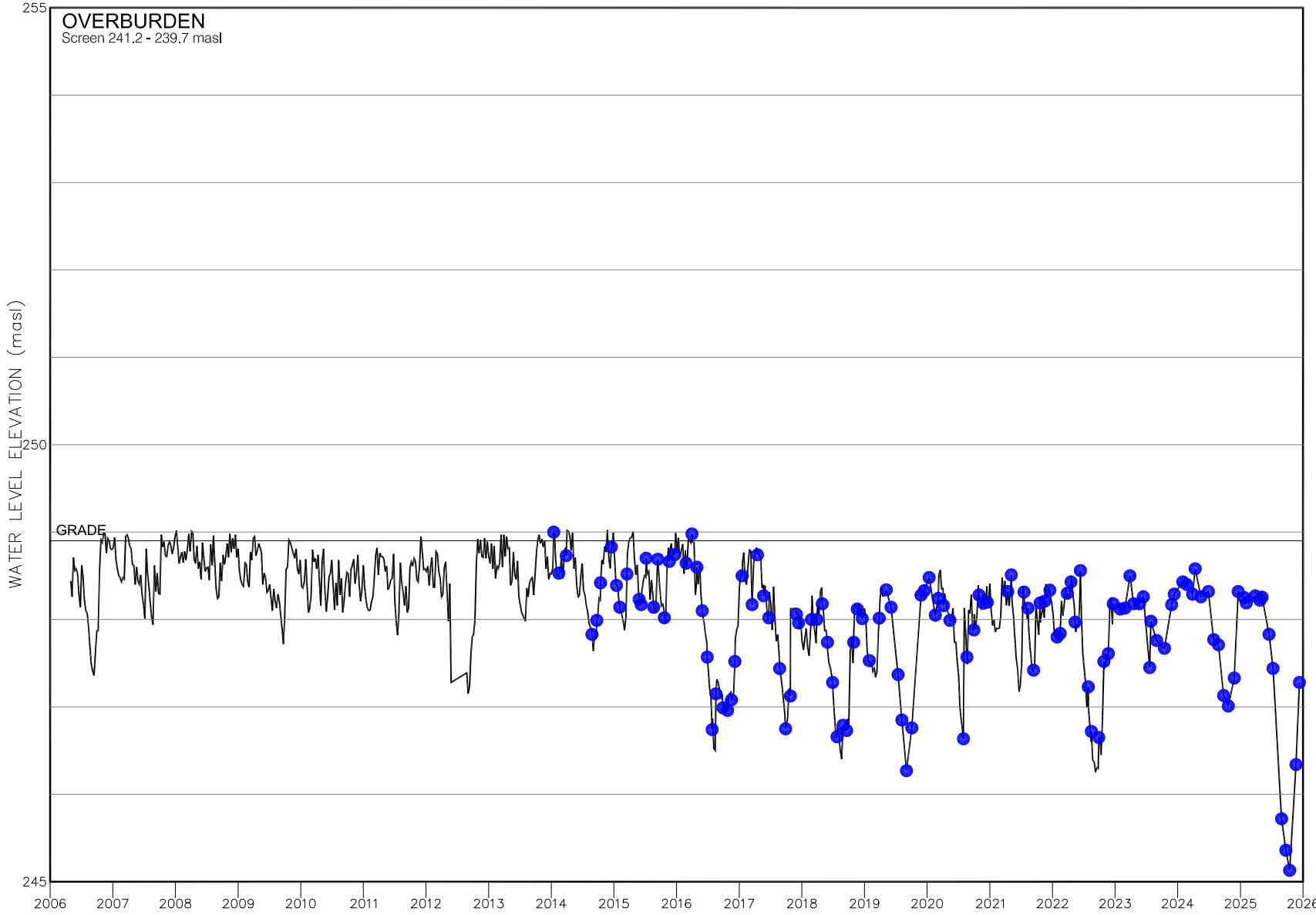
29-Aug-25	244.31
23-Sep-25	244.21
15-Oct-25	243.98
21-Nov-25	244.61
11-Dec-25	245.04

GIP AGGREGATES INC. STAN McCARTHY QUARRY	Job No. CA0023633 Date: 5 Feb 26	wsp	B25004

OW5#1

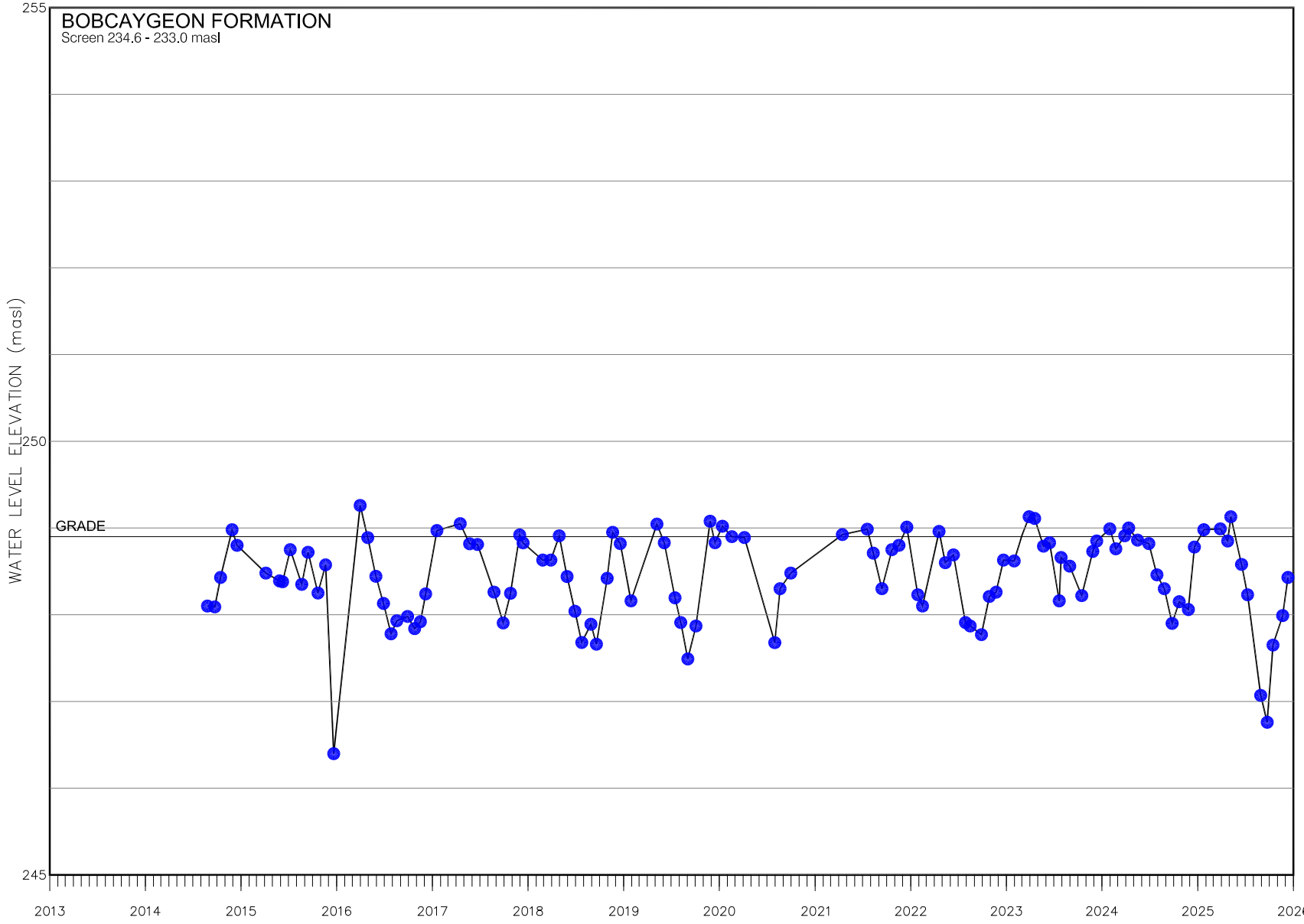


MP Elevation 249.84 masl
Grade 248.9 masl

DATE	ELEVATION
30-Jul-22	246.99
07-Aug-22	246.78
15-Aug-22	246.60
16-Aug-22	246.72
24-Aug-22	246.39
01-Sep-22	246.37
09-Sep-22	246.25
17-Sep-22	246.31
25-Sep-22	246.29
28-Sep-22	246.65
04-Oct-22	246.65
12-Oct-22	246.45
20-Oct-22	246.90
28-Oct-22	247.52
29-Oct-22	247.43
06-Nov-22	247.50
14-Nov-22	247.61
22-Nov-22	247.55
23-Nov-22	247.61
01-Dec-22	248.13
09-Dec-22	248.25
17-Dec-22	247.94
21-Dec-22	248.18
31-Jan-23	248.12
28-Feb-23	248.13
29-Mar-23	248.50
19-Apr-23	248.18
23-May-23	248.18
15-Jun-23	248.26
22-Jul-23	247.45
29-Jul-23	247.98
31-Aug-23	247.76
16-Oct-23	247.67
27-Nov-23	248.17
12-Dec-23	248.29
31-Jan-24	248.43
23-Feb-24	248.40
28-Mar-24	248.29
12-Apr-24	248.58
16-May-24	248.26
28-Jun-24	248.32
29-Jul-24	247.77
26-Aug-24	247.71
25-Sep-24	247.13
22-Oct-24	247.01
26-Nov-24	247.33
19-Dec-24	248.32
24-Jan-25	248.25
04-Feb-25	248.19
28-Mar-25	248.27
25-Apr-25	248.22
07-May-25	248.26
17-Jun-25	247.83
10-Jul-25	247.44
29-Aug-25	245.72
23-Sep-25	245.36
15-Oct-25	245.13
21-Nov-25	246.34
11-Dec-25	247.28

GIP AGGREGATES INC. STAN McCARTHY QUARRY	Job No. CA0023633 Date: 5 Feb 26	wsp	B25005

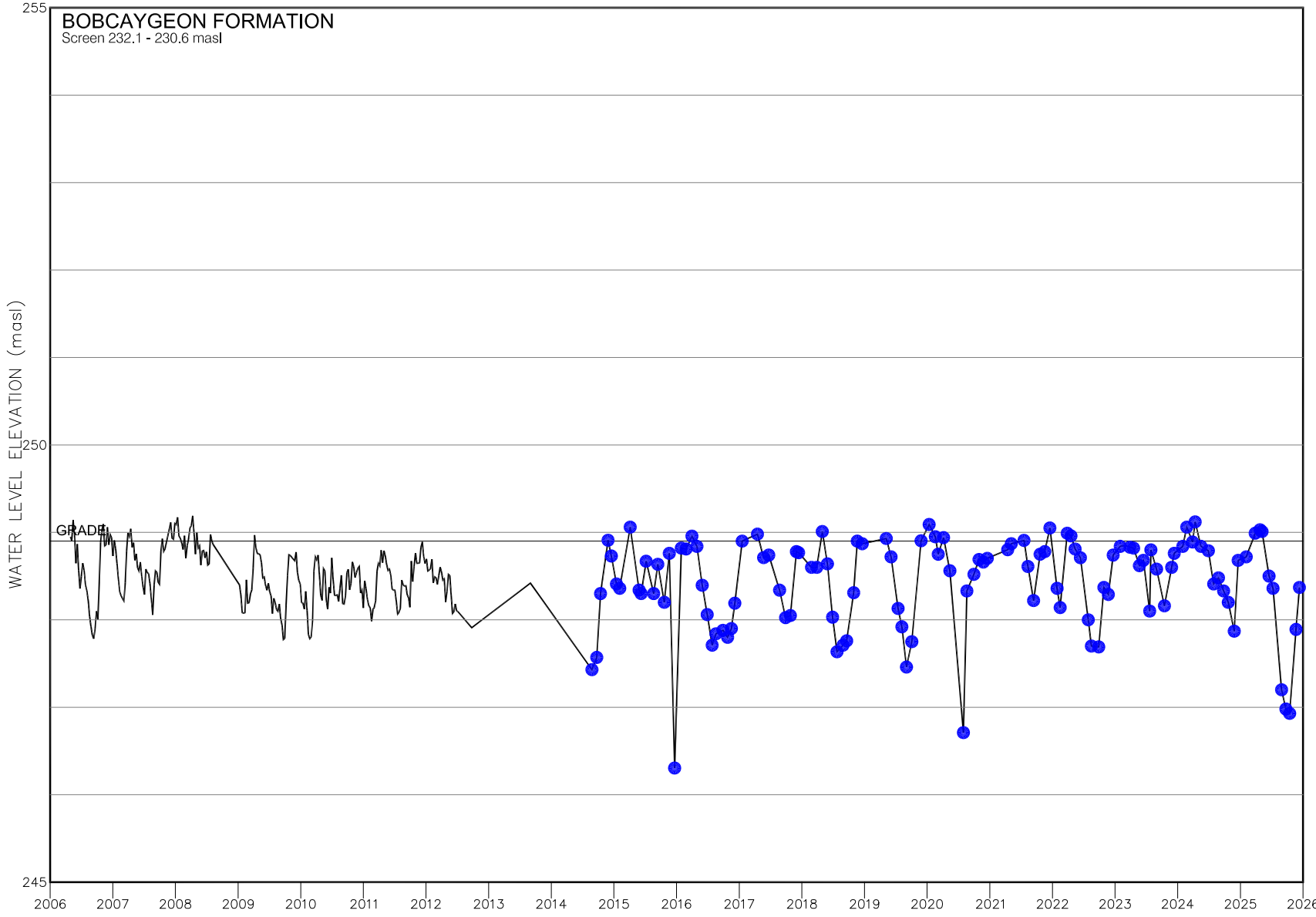
OW5#2



MP Elevation 249.76 masl
Grade 248.9 masl

DATE	ELEVATION
13-Jan-20	249.02
18-Feb-20	248.90
06-Apr-20	248.89
31-Jul-20	247.68
20-Aug-20	248.30
30-Sep-20	248.48
15-Apr-21	248.92
19-Jul-21	248.99
11-Aug-21	248.71
13-Sep-21	248.30
21-Oct-21	248.75
17-Nov-21	248.80
17-Dec-21	249.01
28-Jan-22	248.23
15-Feb-22	248.10
19-Apr-22	248.96
13-May-22	248.60
13-Jun-22	248.69
29-Jul-22	247.91
16-Aug-22	247.87
28-Sep-22	247.77
28-Oct-22	248.21
23-Nov-22	248.26
21-Dec-22	248.63
31-Jan-23	248.62
28-Feb-23	248.90
29-Mar-23	249.13
19-Apr-23	249.11
23-May-23	248.79
15-Jun-23	248.83
22-Jul-23	248.16
29-Jul-23	248.66
31-Aug-23	248.56
16-Oct-23	248.22
27-Nov-23	248.73
12-Dec-23	248.85
31-Jan-24	248.99
23-Feb-24	248.76
28-Mar-24	248.91
12-Apr-24	249.00
16-May-24	248.86
28-Jun-24	248.82
29-Jul-24	248.46
26-Aug-24	248.30
25-Sep-24	247.90
22-Oct-24	248.15
26-Nov-24	248.06
19-Dec-24	248.78
24-Jan-25	248.98
28-Mar-25	248.99
25-Apr-25	248.85
07-May-25	249.13
17-Jun-25	248.58
10-Jul-25	248.23
29-Aug-25	247.07
23-Sep-25	246.76
15-Oct-25	247.65
21-Nov-25	247.99
11-Dec-25	248.43

OW5#3



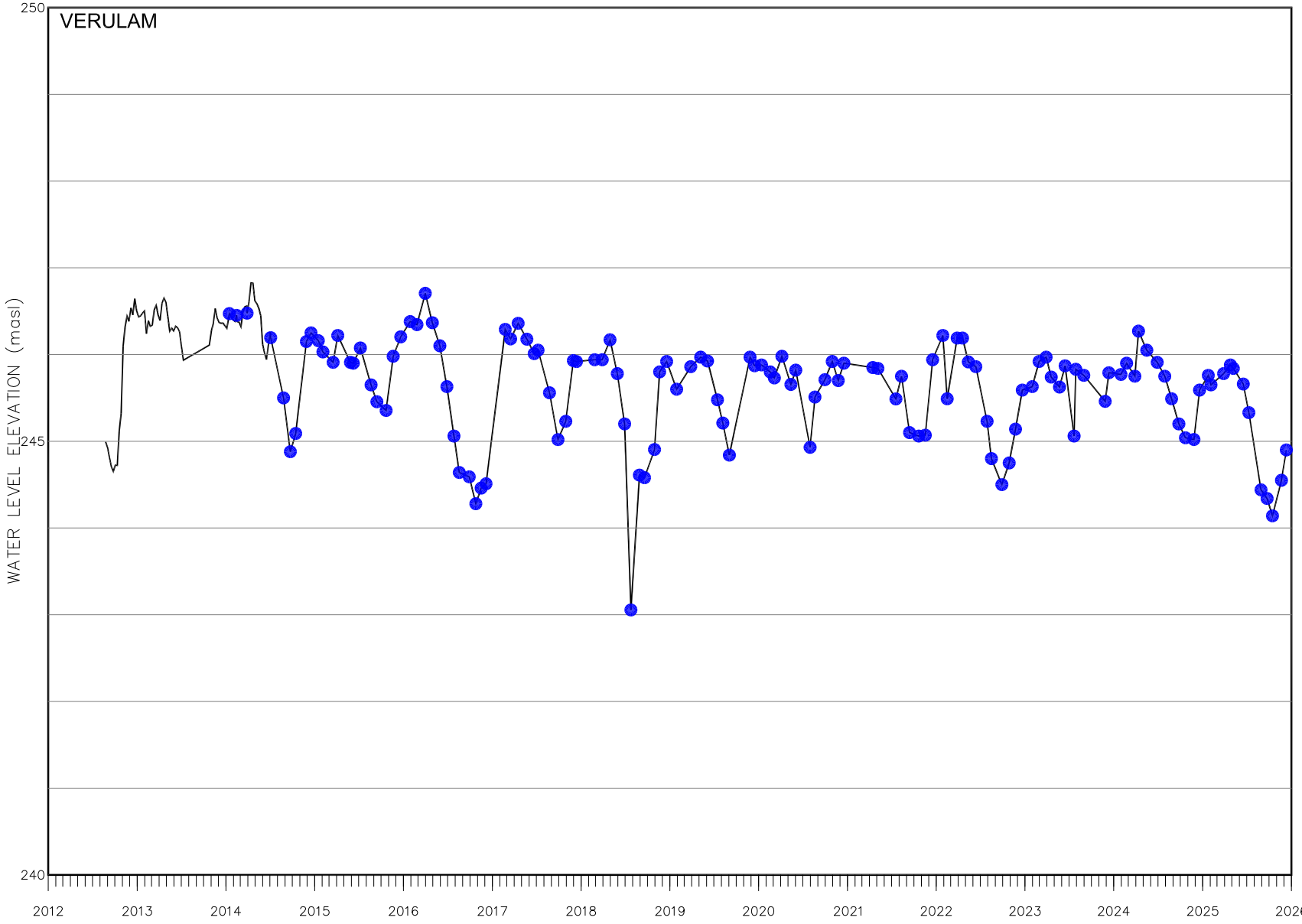
MP Elevation 249.70 masl
Grade 248.9 masl

DATE	ELEVATION
30-Sep-20	248.52
30-Oct-20	248.69
24-Nov-20	248.66
17-Dec-20	248.70
15-Apr-21	248.80
06-May-21	248.87
19-Jul-21	248.91
11-Aug-21	248.61
13-Sep-21	248.22
21-Oct-21	248.75
17-Nov-21	248.78
17-Dec-21	249.05
28-Jan-22	248.36
15-Feb-22	248.14
28-Mar-22	248.99
19-Apr-22	248.96
13-May-22	248.81
13-Jun-22	248.71
29-Jul-22	248.00
16-Aug-22	247.70
28-Sep-22	247.69
28-Oct-22	248.37
23-Nov-22	248.29
21-Dec-22	248.74
31-Jan-23	248.84
28-Feb-23	248.85
29-Mar-23	248.83
19-Apr-23	248.82
23-May-23	248.62
15-Jun-23	248.68
22-Jul-23	248.10
29-Jul-23	248.80
31-Aug-23	248.58
16-Oct-23	248.16
27-Nov-23	248.60
12-Dec-23	248.76
31-Jan-24	248.84
23-Feb-24	249.06
28-Mar-24	248.89
12-Apr-24	249.12
16-May-24	248.84
28-Jun-24	248.79
29-Jul-24	248.41
26-Aug-24	248.48
25-Sep-24	248.33
22-Oct-24	248.20
26-Nov-24	247.87
19-Dec-24	248.68
04-Feb-25	248.72
28-Mar-25	248.99
25-Apr-25	249.03
07-May-25	249.01
17-Jun-25	248.50
10-Jul-25	248.36
29-Aug-25	247.20
23-Sep-25	246.98
15-Oct-25	246.93
21-Nov-25	247.89
11-Dec-25	248.37

GIP AGGREGATES INC. STAN McCARTHY QUARRY	Job No. CA0023633 Date: 5 Feb 26	wsp	B25007

OW6#1

MP Elevation 247.60 masl

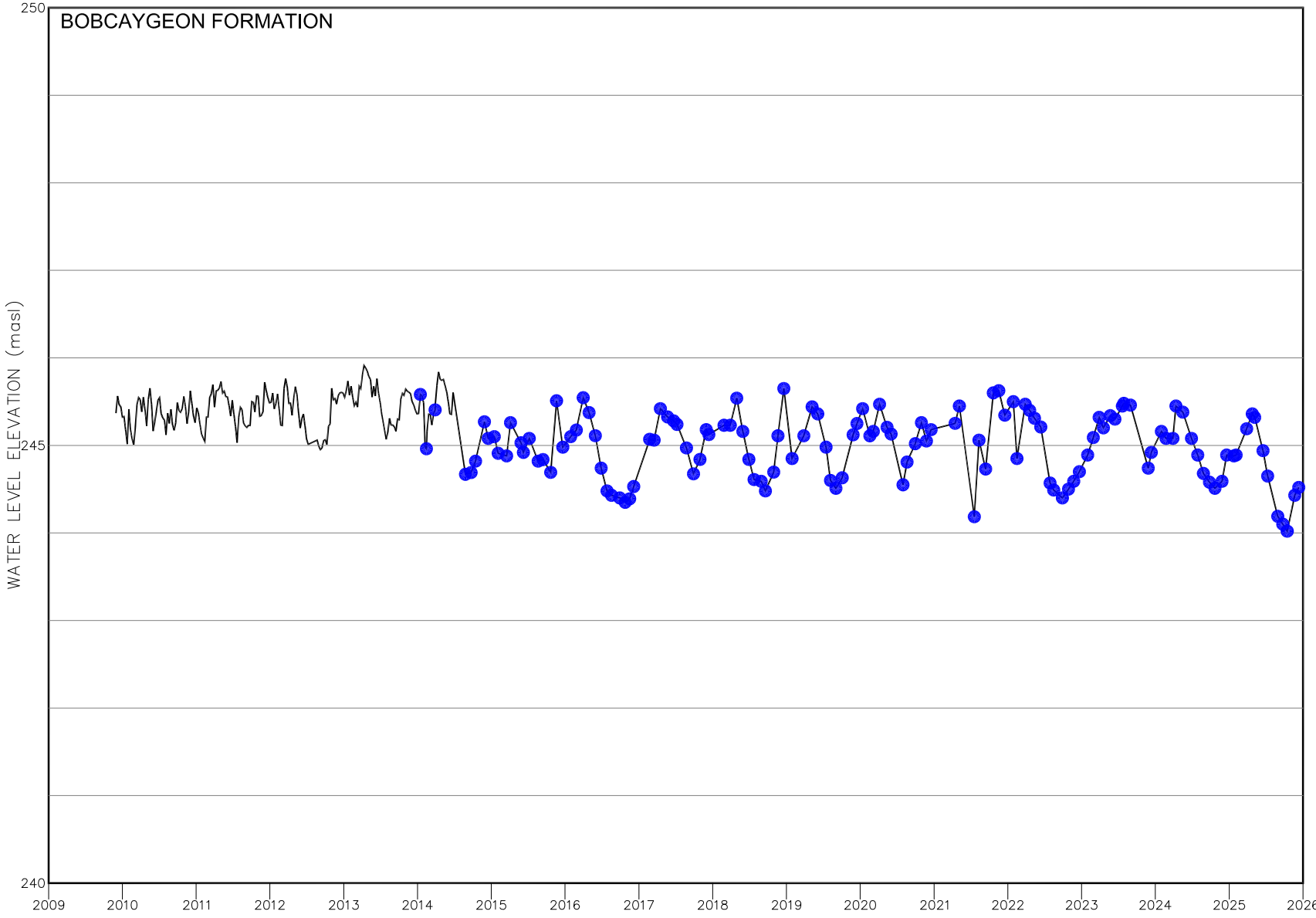


DATE	ELEVATION
30-Sep-20	245.71
30-Oct-20	245.92
24-Nov-20	245.70
17-Dec-20	245.90
15-Apr-21	245.85
06-May-21	245.84
19-Jul-21	245.49
11-Aug-21	245.75
13-Sep-21	245.10
21-Oct-21	245.06
17-Nov-21	245.07
17-Dec-21	245.94
28-Jan-22	246.22
15-Feb-22	245.49
28-Mar-22	246.19
19-Apr-22	246.19
13-May-22	245.91
13-Jun-22	245.86
29-Jul-22	245.23
16-Aug-22	244.80
28-Sep-22	244.50
28-Oct-22	244.75
23-Nov-22	245.14
21-Dec-22	245.59
31-Jan-23	245.63
28-Feb-23	245.92
29-Mar-23	245.97
19-Apr-23	245.74
23-May-23	245.63
15-Jun-23	245.87
22-Jul-23	245.06
29-Jul-23	245.83
31-Aug-23	245.76
27-Nov-23	245.46
12-Dec-23	245.79
31-Jan-24	245.77
23-Feb-24	245.90
28-Mar-24	245.75
12-Apr-24	246.27
16-May-24	246.05
28-Jun-24	245.91
29-Jul-24	245.75
26-Aug-24	245.49
25-Sep-24	245.20
22-Oct-24	245.04
26-Nov-24	245.02
19-Dec-24	245.59
24-Jan-25	245.76
04-Feb-25	245.65
28-Mar-25	245.78
25-Apr-25	245.88
07-May-25	245.84
17-Jun-25	245.66
10-Jul-25	245.33
29-Aug-25	244.44
23-Sep-25	244.34
15-Oct-25	244.14
21-Nov-25	244.55
11-Dec-25	244.90

GIP AGGREGATES INC. STAN McCARTHY QUARRY	Job No. CA0023633 Date: 5 Feb 26	wsp	B25008

OW6#2

MP Elevation 247.52 masl

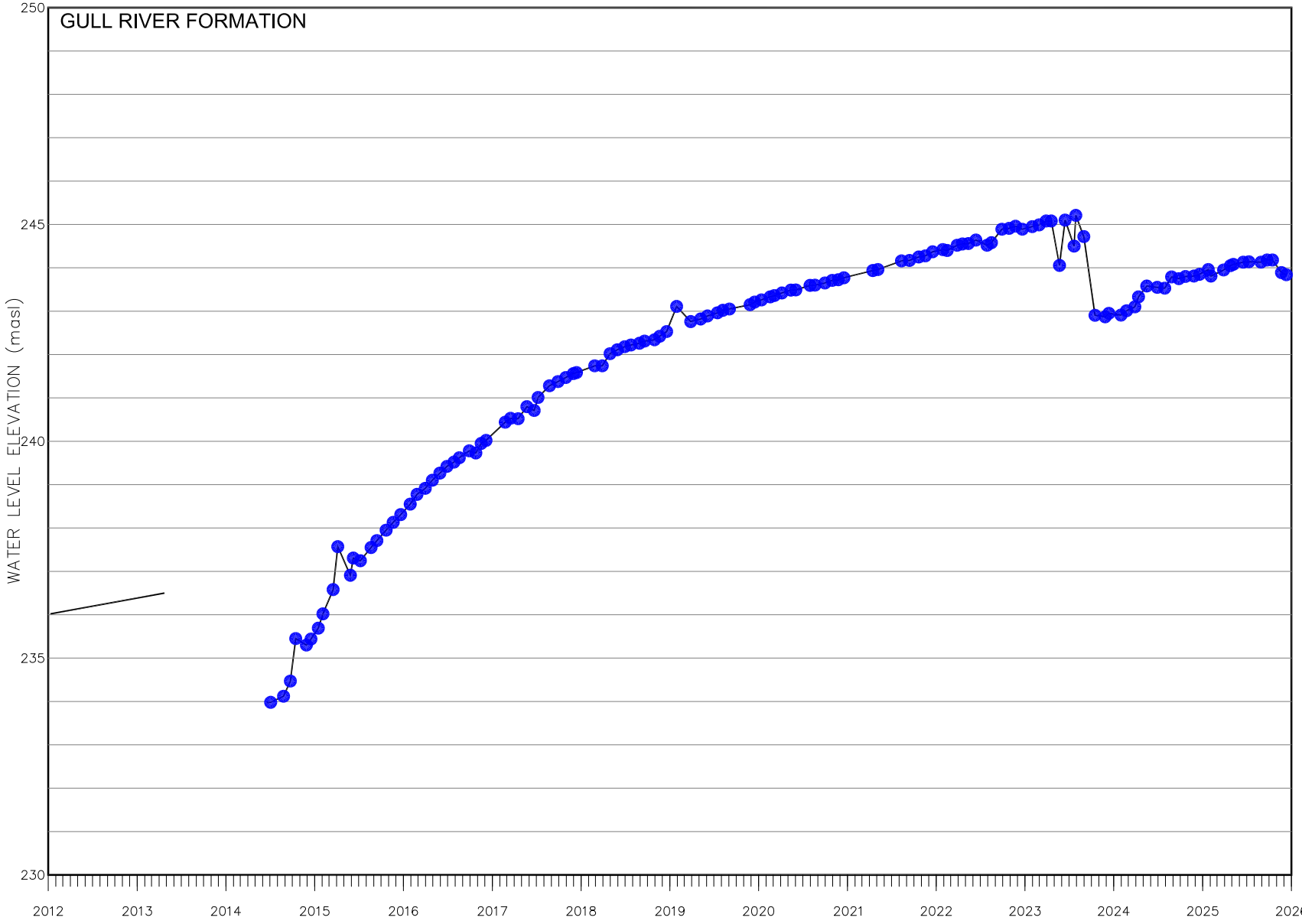


DATE	ELEVATION
30-Sep-20	245.02
30-Oct-20	245.26
24-Nov-20	245.05
17-Dec-20	245.18
15-Apr-21	245.25
06-May-21	245.45
19-Jul-21	244.18
11-Aug-21	245.06
13-Sep-21	244.73
21-Oct-21	245.60
17-Nov-21	245.63
17-Dec-21	245.35
28-Jan-22	245.50
15-Feb-22	244.85
28-Mar-22	245.47
19-Apr-22	245.40
13-May-22	245.31
13-Jun-22	245.21
29-Jul-22	244.57
16-Aug-22	244.49
28-Sep-22	244.40
28-Oct-22	244.50
23-Nov-22	244.59
21-Dec-22	244.70
31-Jan-23	244.89
28-Feb-23	245.09
29-Mar-23	245.32
19-Apr-23	245.20
23-May-23	245.34
15-Jun-23	245.30
22-Jul-23	245.45
29-Jul-23	245.48
31-Aug-23	245.46
27-Nov-23	244.74
12-Dec-23	244.92
31-Jan-24	245.16
23-Feb-24	245.08
28-Mar-24	245.08
12-Apr-24	245.45
16-May-24	245.38
28-Jun-24	245.08
29-Jul-24	244.89
26-Aug-24	244.68
25-Sep-24	244.58
22-Oct-24	244.51
26-Nov-24	244.59
19-Dec-24	244.89
24-Jan-25	244.88
04-Feb-25	244.89
28-Mar-25	245.19
25-Apr-25	245.36
07-May-25	245.32
17-Jun-25	244.94
10-Jul-25	244.65
29-Aug-25	244.19
23-Sep-25	244.10
15-Oct-25	244.02
21-Nov-25	244.43
11-Dec-25	244.52

GIP AGGREGATES INC. STAN McCARTHY QUARRY	Job No. CA0023633 Date: 5 Feb 26	wsp	B25009

OW6#3

MP Elevation 247.46 masl

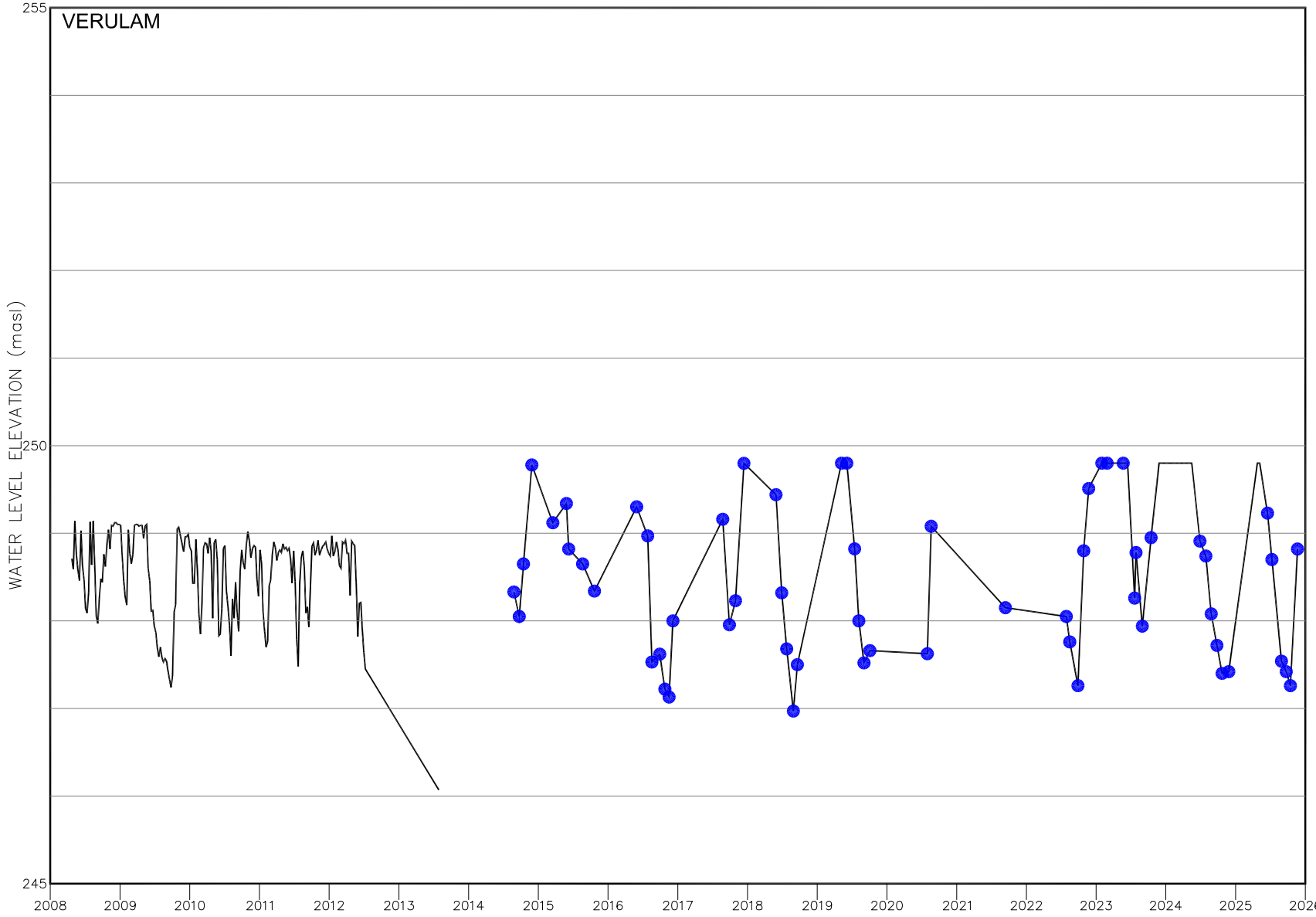


DATE	ELEVATION
30-Sep-20	243.65
30-Oct-20	243.71
24-Nov-20	243.73
17-Dec-20	243.77
15-Apr-21	243.94
06-May-21	243.96
11-Aug-21	244.16
13-Sep-21	244.17
21-Oct-21	244.25
17-Nov-21	244.27
17-Dec-21	244.37
28-Jan-22	244.42
15-Feb-22	244.40
28-Mar-22	244.52
19-Apr-22	244.55
13-May-22	244.56
13-Jun-22	244.64
29-Jul-22	244.52
16-Aug-22	244.58
28-Sep-22	244.89
28-Oct-22	244.91
23-Nov-22	244.96
21-Dec-22	244.89
31-Jan-23	244.95
28-Feb-23	244.99
29-Mar-23	245.08
19-Apr-23	245.08
23-May-23	244.05
15-Jun-23	245.10
22-Jul-23	244.50
29-Jul-23	245.21
31-Aug-23	244.72
16-Oct-23	242.90
27-Nov-23	242.87
12-Dec-23	242.95
31-Jan-24	242.91
23-Feb-24	243.01
28-Mar-24	243.10
12-Apr-24	243.33
16-May-24	243.58
28-Jun-24	243.55
29-Jul-24	243.53
26-Aug-24	243.79
25-Sep-24	243.75
22-Oct-24	243.80
26-Nov-24	243.81
19-Dec-24	243.85
24-Jan-25	243.96
04-Feb-25	243.81
28-Mar-25	243.95
25-Apr-25	244.05
07-May-25	244.08
17-Jun-25	244.13
10-Jul-25	244.14
29-Aug-25	244.13
23-Sep-25	244.18
15-Oct-25	244.18
21-Nov-25	243.89
11-Dec-25	243.84

GIP AGGREGATES INC. STAN McCARTHY QUARRY	Job No. CA0023633 Date: 5 Feb 26	wsp	B25010

OW7#1

MP Elevation 249.80 masl

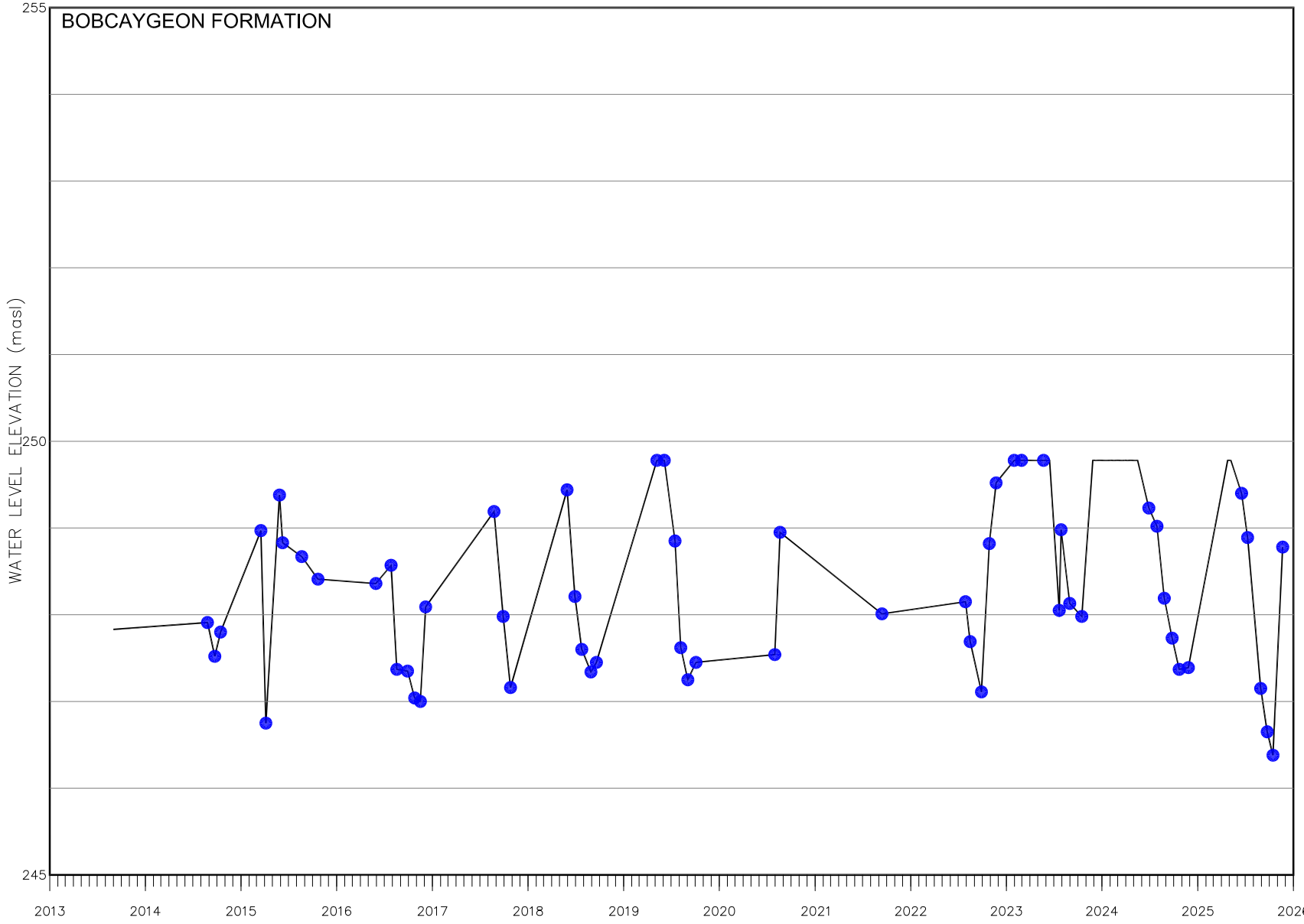


DATE	ELEVATION
06-Apr-20	FLW
13-May-20	FLW
02-Jun-20	FLW
31-Jul-20	247.63
20-Aug-20	249.08
30-Sep-20	FLW
30-Oct-20	FLW
24-Nov-20	FLW
17-Dec-20	FLW
15-Apr-21	FLW
06-May-21	FLW
19-Jul-21	FLW
11-Aug-21	FLW
13-Sep-21	248.15
21-Oct-21	FLW
17-Nov-21	FLW
17-Dec-21	FLW
28-Mar-22	FLW
19-Apr-22	FLW
13-May-22	FLW
13-Jun-22	FLW
29-Jul-22	248.05
16-Aug-22	247.76
28-Sep-22	247.26
28-Oct-22	248.80
23-Nov-22	249.51
31-Jan-23	249.80
28-Feb-23	249.80
29-Mar-23	FLW
19-Apr-23	FLW
23-May-23	249.80
15-Jun-23	249.80
22-Jul-23	248.26
29-Jul-23	248.78
31-Aug-23	247.94
16-Oct-23	248.95
27-Nov-23	249.80
12-Dec-23	249.80
31-Jan-24	249.80
23-Feb-24	249.80
28-Mar-24	249.80
12-Apr-24	249.80
16-May-24	249.80
28-Jun-24	248.91
29-Jul-24	248.74
26-Aug-24	248.08
25-Sep-24	247.72
22-Oct-24	247.40
26-Nov-24	247.42
19-Dec-24	FLW
28-Mar-25	FLW
25-Apr-25	249.80
07-May-25	249.80
17-Jun-25	249.23
10-Jul-25	248.70
29-Aug-25	247.54
23-Sep-25	247.42
15-Oct-25	247.26
21-Nov-25	248.82

GIP AGGREGATES INC. STAN McCARTHY QUARRY	Job No. CA0023633 Date: 5 Feb 26	wsp	B25011

OW7#2

MP Elevation 249.78 masl

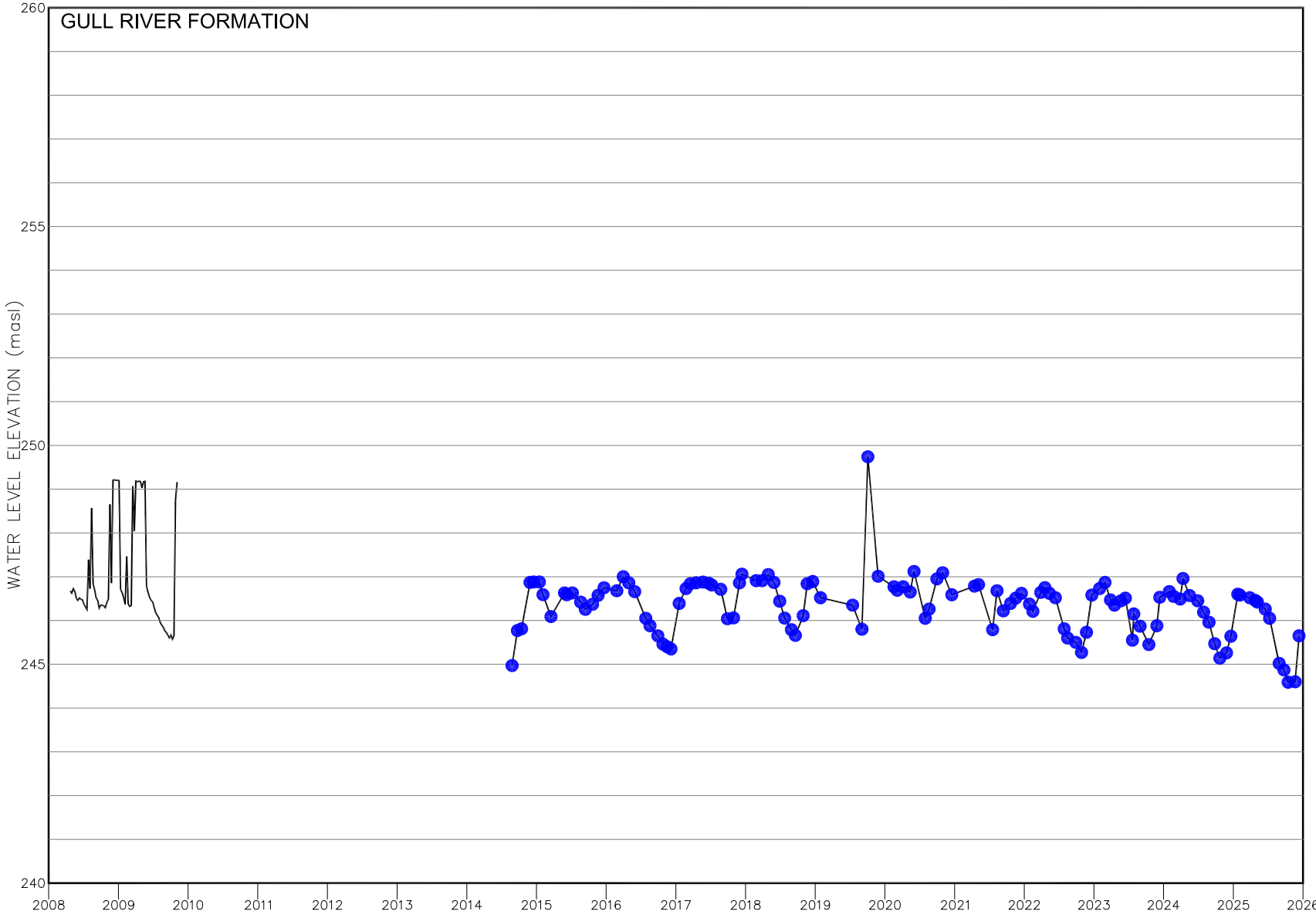


DATE	ELEVATION
06-Apr-20	FLW
13-May-20	FLW
02-Jun-20	FLW
31-Jul-20	247.54
20-Aug-20	248.95
30-Sep-20	FLW
30-Oct-20	FLW
24-Nov-20	FLW
17-Dec-20	FLW
15-Apr-21	FLW
06-May-21	FLW
19-Jul-21	FLW
11-Aug-21	FLW
13-Sep-21	248.01
21-Oct-21	FLW
17-Nov-21	FLW
17-Dec-21	FLW
28-Mar-22	FLW
19-Apr-22	FLW
13-May-22	FLW
13-Jun-22	FLW
29-Jul-22	248.15
16-Aug-22	247.69
28-Sep-22	247.11
28-Oct-22	248.82
23-Nov-22	249.52
31-Jan-23	249.78
28-Feb-23	249.78
29-Mar-23	FLW
19-Apr-23	FLW
23-May-23	249.78
15-Jun-23	249.78
22-Jul-23	248.05
29-Jul-23	248.98
31-Aug-23	248.13
16-Oct-23	247.98
27-Nov-23	249.78
12-Dec-23	249.78
31-Jan-24	249.78
23-Feb-24	249.78
28-Mar-24	249.78
12-Apr-24	249.78
16-May-24	249.78
28-Jun-24	249.23
29-Jul-24	249.02
26-Aug-24	248.19
25-Sep-24	247.73
22-Oct-24	247.37
26-Nov-24	247.39
19-Dec-24	FLW
28-Mar-25	FLW
25-Apr-25	249.78
07-May-25	249.78
17-Jun-25	249.40
10-Jul-25	248.89
29-Aug-25	247.15
23-Sep-25	246.65
15-Oct-25	246.38
21-Nov-25	248.78

GIP AGGREGATES INC. STAN McCARTHY QUARRY	Job No. CA0023633 Date: 5 Feb 26	wsp	B25012

OW7#3

MP Elevation 249.74 masl

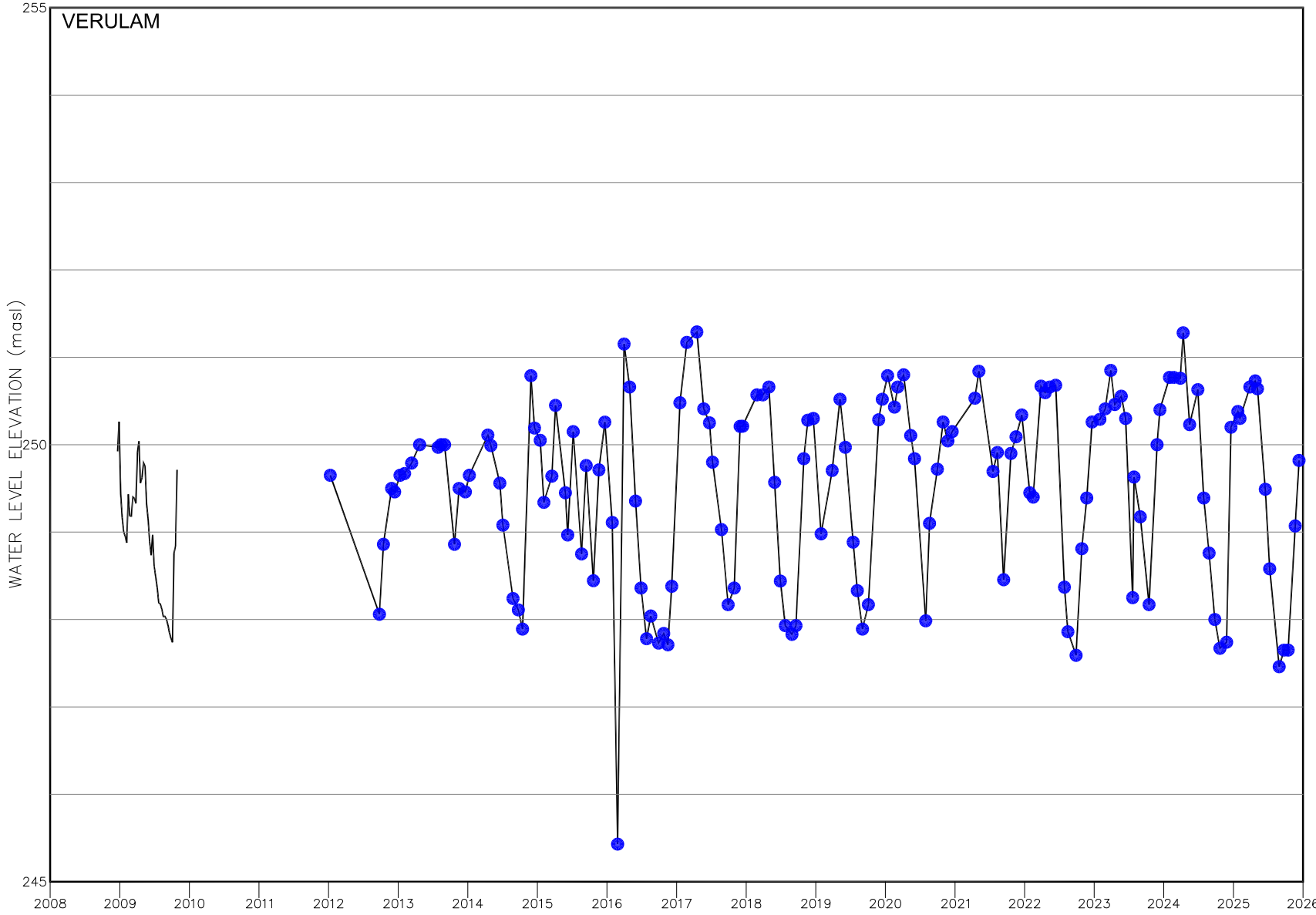


DATE	ELEVATION
30-Sep-20	246.95
30-Oct-20	247.09
17-Dec-20	246.59
15-Apr-21	246.79
06-May-21	246.82
19-Jul-21	245.79
11-Aug-21	246.68
13-Sep-21	246.22
21-Oct-21	246.39
17-Nov-21	246.51
17-Dec-21	246.62
28-Jan-22	246.38
15-Feb-22	246.21
28-Mar-22	246.64
19-Apr-22	246.75
13-May-22	246.62
13-Jun-22	246.52
29-Jul-22	245.81
16-Aug-22	245.60
28-Sep-22	245.50
28-Oct-22	245.27
23-Nov-22	245.73
21-Dec-22	246.58
31-Jan-23	246.73
28-Feb-23	246.87
29-Mar-23	246.47
19-Apr-23	246.35
23-May-23	246.45
15-Jun-23	246.51
22-Jul-23	245.55
29-Jul-23	246.15
31-Aug-23	245.87
16-Oct-23	245.45
27-Nov-23	245.88
12-Dec-23	246.53
31-Jan-24	246.66
23-Feb-24	246.55
28-Mar-24	246.49
12-Apr-24	246.96
16-May-24	246.57
28-Jun-24	246.45
29-Jul-24	246.19
26-Aug-24	245.96
25-Sep-24	245.47
22-Oct-24	245.14
26-Nov-24	245.26
19-Dec-24	245.64
24-Jan-25	246.60
04-Feb-25	246.58
28-Mar-25	246.52
25-Apr-25	246.46
07-May-25	246.42
17-Jun-25	246.26
10-Jul-25	246.05
29-Aug-25	245.02
23-Sep-25	244.87
15-Oct-25	244.59
21-Nov-25	244.60
11-Dec-25	245.65

GIP AGGREGATES INC. STAN McCARTHY QUARRY	Job No. CA0023633 Date: 5 Feb 26	wsp	B25013

OW8#1

MP Elevation 251.47 masl

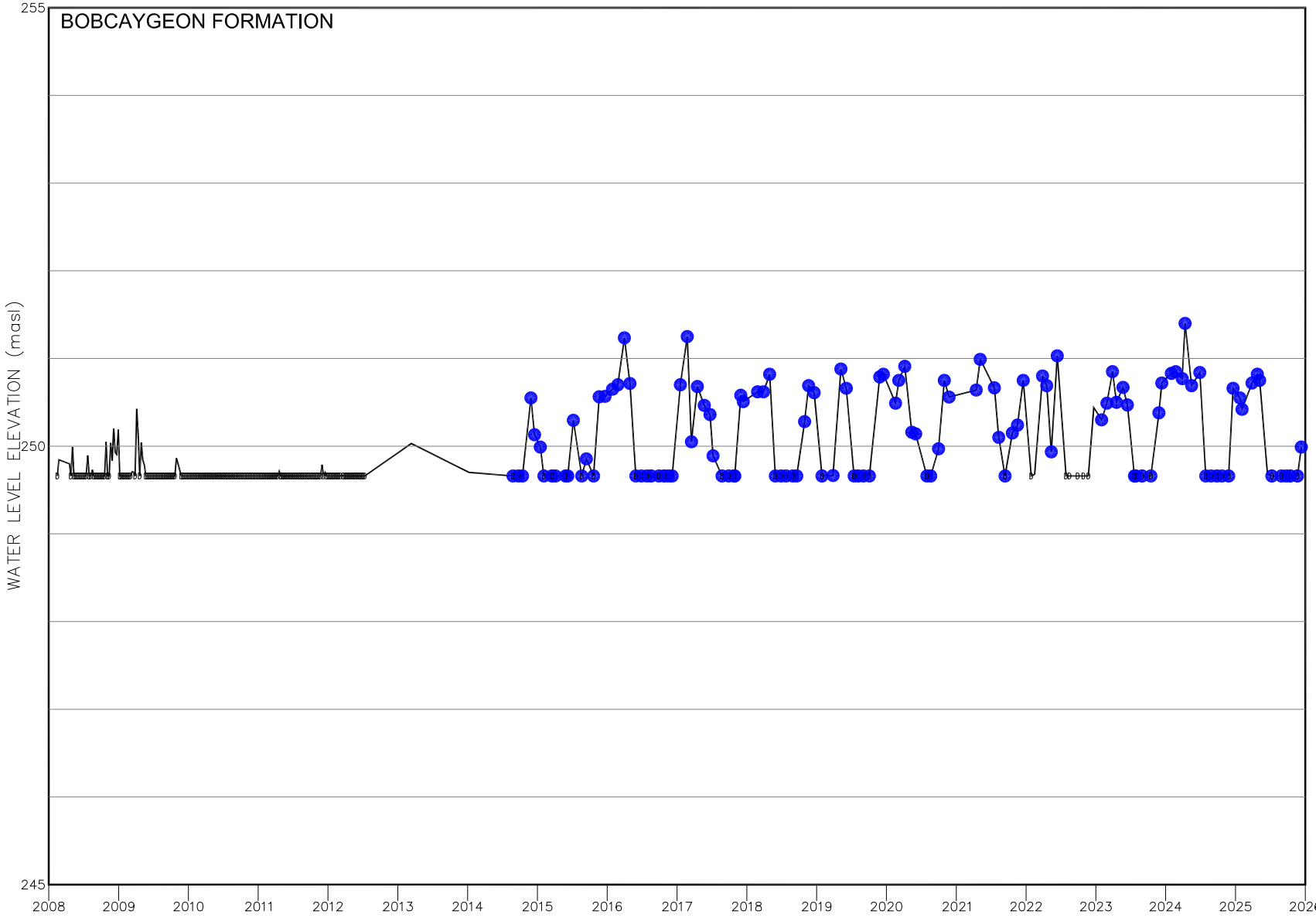


DATE	ELEVATION
30-Oct-20	250.26
24-Nov-20	250.04
17-Dec-20	250.15
15-Apr-21	250.53
06-May-21	250.84
19-Jul-21	249.69
11-Aug-21	249.91
13-Sep-21	248.46
21-Oct-21	249.90
17-Nov-21	250.09
17-Dec-21	250.34
28-Jan-22	249.45
15-Feb-22	249.40
28-Mar-22	250.67
19-Apr-22	250.60
13-May-22	250.66
13-Jun-22	250.68
29-Jul-22	248.37
16-Aug-22	247.86
28-Sep-22	247.59
28-Oct-22	248.81
23-Nov-22	249.39
21-Dec-22	250.26
31-Jan-23	250.29
28-Feb-23	250.41
29-Mar-23	250.85
19-Apr-23	250.46
23-May-23	250.55
15-Jun-23	250.30
22-Jul-23	248.25
29-Jul-23	249.63
31-Aug-23	249.18
16-Oct-23	248.17
27-Nov-23	250.00
12-Dec-23	250.40
31-Jan-24	250.77
23-Feb-24	250.77
28-Mar-24	250.76
12-Apr-24	251.28
16-May-24	250.23
28-Jun-24	250.63
29-Jul-24	249.39
26-Aug-24	248.76
25-Sep-24	248.00
22-Oct-24	247.67
26-Nov-24	247.74
19-Dec-24	250.20
24-Jan-25	250.38
04-Feb-25	250.30
28-Mar-25	250.66
25-Apr-25	250.73
07-May-25	250.64
17-Jun-25	249.49
10-Jul-25	248.58
29-Aug-25	247.46
23-Sep-25	247.65
15-Oct-25	247.65
21-Nov-25	249.07
11-Dec-25	249.82

GIP AGGREGATES INC. STAN McCARTHY QUARRY	Job No. CA0023633 Date: 5 Feb 26	wsp	B25014

OW8#2

MP Elevation 251.44 masl

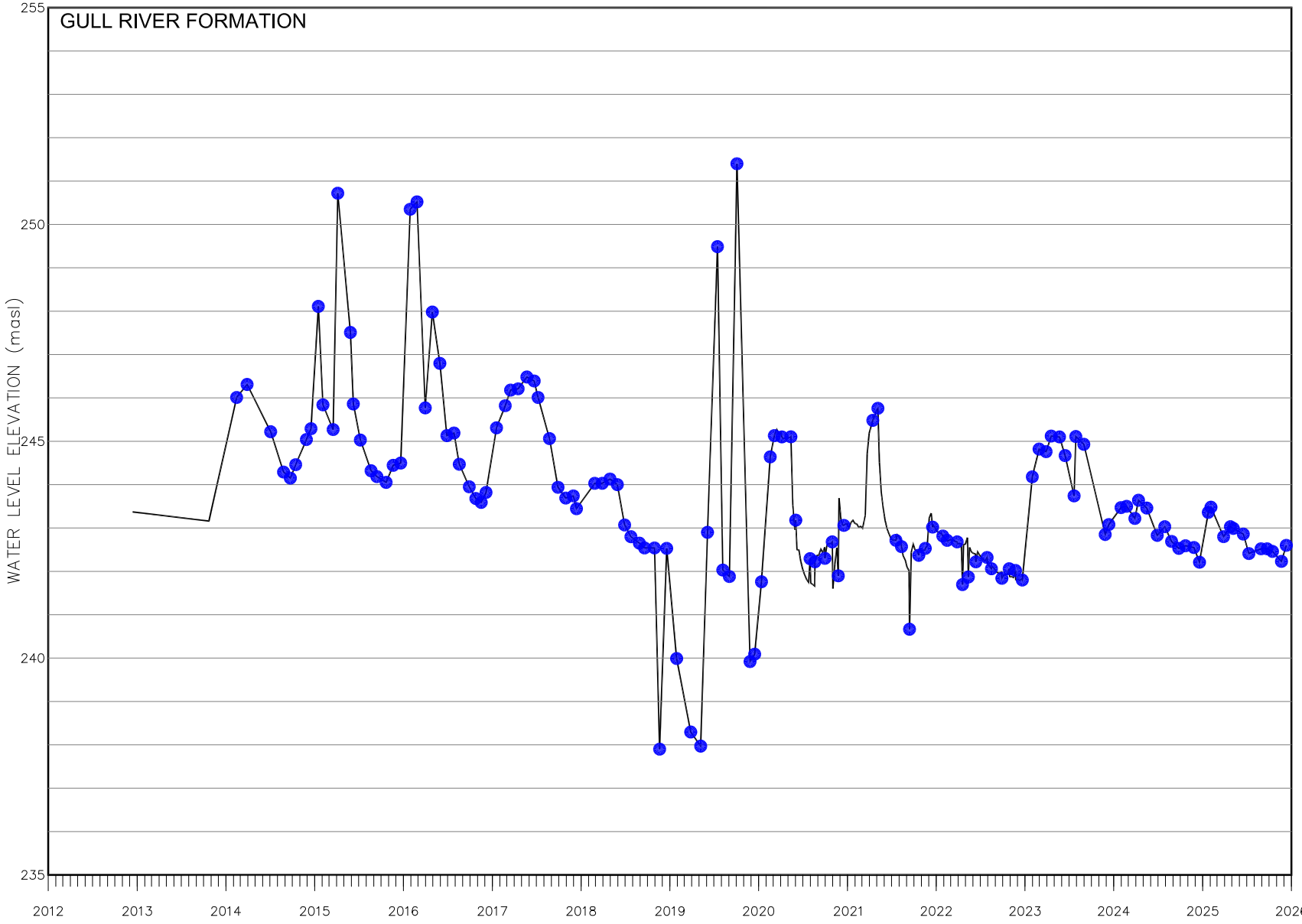


DATE	ELEVATION
30-Sep-20	249.97
30-Oct-20	250.75
24-Nov-20	250.56
15-Apr-21	250.64
06-May-21	250.99
19-Jul-21	250.66
11-Aug-21	250.10
13-Sep-21	DRY
21-Oct-21	250.15
17-Nov-21	250.24
17-Dec-21	250.75
28-Jan-22	DRY
15-Feb-22	249.68
28-Mar-22	250.80
19-Apr-22	250.69
13-May-22	249.93
13-Jun-22	251.03
29-Jul-22	DRY
16-Aug-22	DRY
28-Sep-22	DRY
28-Oct-22	DRY
23-Nov-22	DRY
21-Dec-22	BLCKD
31-Jan-23	250.30
28-Feb-23	250.49
29-Mar-23	250.85
19-Apr-23	250.50
23-May-23	250.67
15-Jun-23	250.47
22-Jul-23	DRY
29-Jul-23	DRY
31-Aug-23	DRY
16-Oct-23	DRY
27-Nov-23	250.38
12-Dec-23	250.72
31-Jan-24	250.83
23-Feb-24	250.85
28-Mar-24	250.77
12-Apr-24	251.40
16-May-24	250.69
28-Jun-24	250.84
29-Jul-24	DRY
26-Aug-24	DRY
25-Sep-24	DRY
22-Oct-24	DRY
26-Nov-24	DRY
19-Dec-24	250.66
24-Jan-25	250.55
04-Feb-25	250.42
28-Mar-25	250.72
25-Apr-25	250.82
07-May-25	250.75
17-Jun-25	249.68
10-Jul-25	DRY
29-Aug-25	DRY
23-Sep-25	DRY
15-Oct-25	DRY
21-Nov-25	DRY
11-Dec-25	249.99

GIP AGGREGATES INC. STAN McCARTHY QUARRY	Job No. CA0023633 Date: 5 Feb 26	wsp	B25015

OW8#3

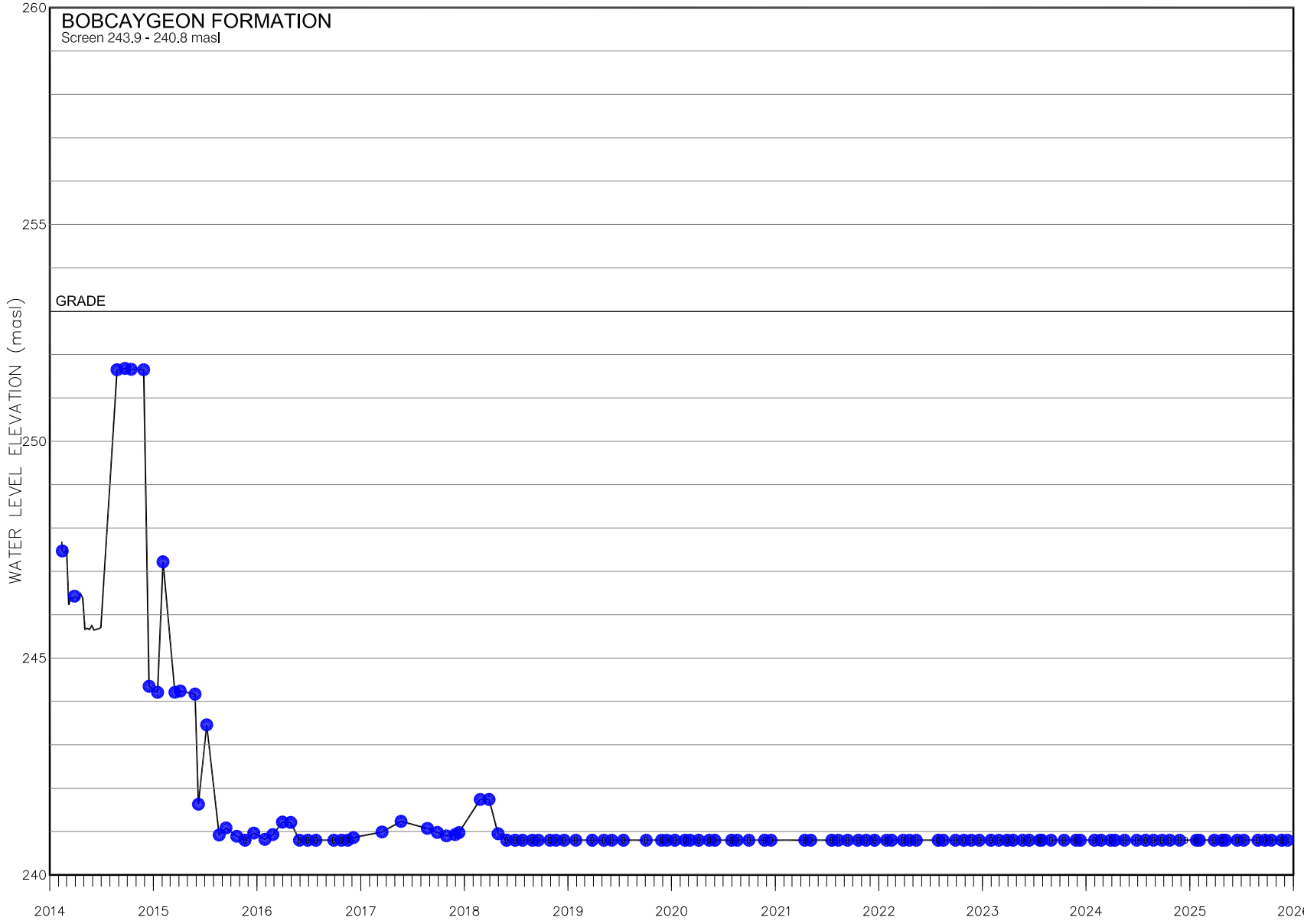
MP Elevation 251.40 masl



DATE	ELEVATION
29-Jul-22	242.32
31-Jul-22	242.17
08-Aug-22	242.13
16-Aug-22	242.06
17-Aug-22	242.11
25-Aug-22	242.08
02-Sep-22	242.02
10-Sep-22	241.97
18-Sep-22	241.95
26-Sep-22	241.98
28-Sep-22	241.84
05-Oct-22	241.91
13-Oct-22	241.92
21-Oct-22	241.94
28-Oct-22	242.06
30-Oct-22	241.88
07-Nov-22	241.88
15-Nov-22	241.86
23-Nov-22	242.02
24-Nov-22	241.81
02-Dec-22	241.82
10-Dec-22	241.79
18-Dec-22	241.83
21-Dec-22	241.80
31-Jan-23	244.18
28-Feb-23	244.82
29-Mar-23	244.76
19-Apr-23	245.12
23-May-23	245.10
15-Jun-23	244.67
22-Jul-23	243.74
29-Jul-23	245.11
31-Aug-23	244.93
27-Nov-23	242.85
12-Dec-23	243.08
31-Jan-24	243.47
23-Feb-24	243.50
28-Mar-24	243.22
12-Apr-24	243.64
16-May-24	243.46
28-Jun-24	242.83
29-Jul-24	243.03
26-Aug-24	242.69
25-Sep-24	242.53
22-Oct-24	242.59
26-Nov-24	242.55
19-Dec-24	242.21
24-Jan-25	243.36
04-Feb-25	243.48
28-Mar-25	242.80
25-Apr-25	243.03
07-May-25	242.99
17-Jun-25	242.86
10-Jul-25	242.41
29-Aug-25	242.52
23-Sep-25	242.52
15-Oct-25	242.46
21-Nov-25	242.23
11-Dec-25	242.60

GIP AGGREGATES INC. STAN McCARTHY QUARRY	Job No. CA0023633 Date: 5 Feb 26	wsp	B25016

OW9#1

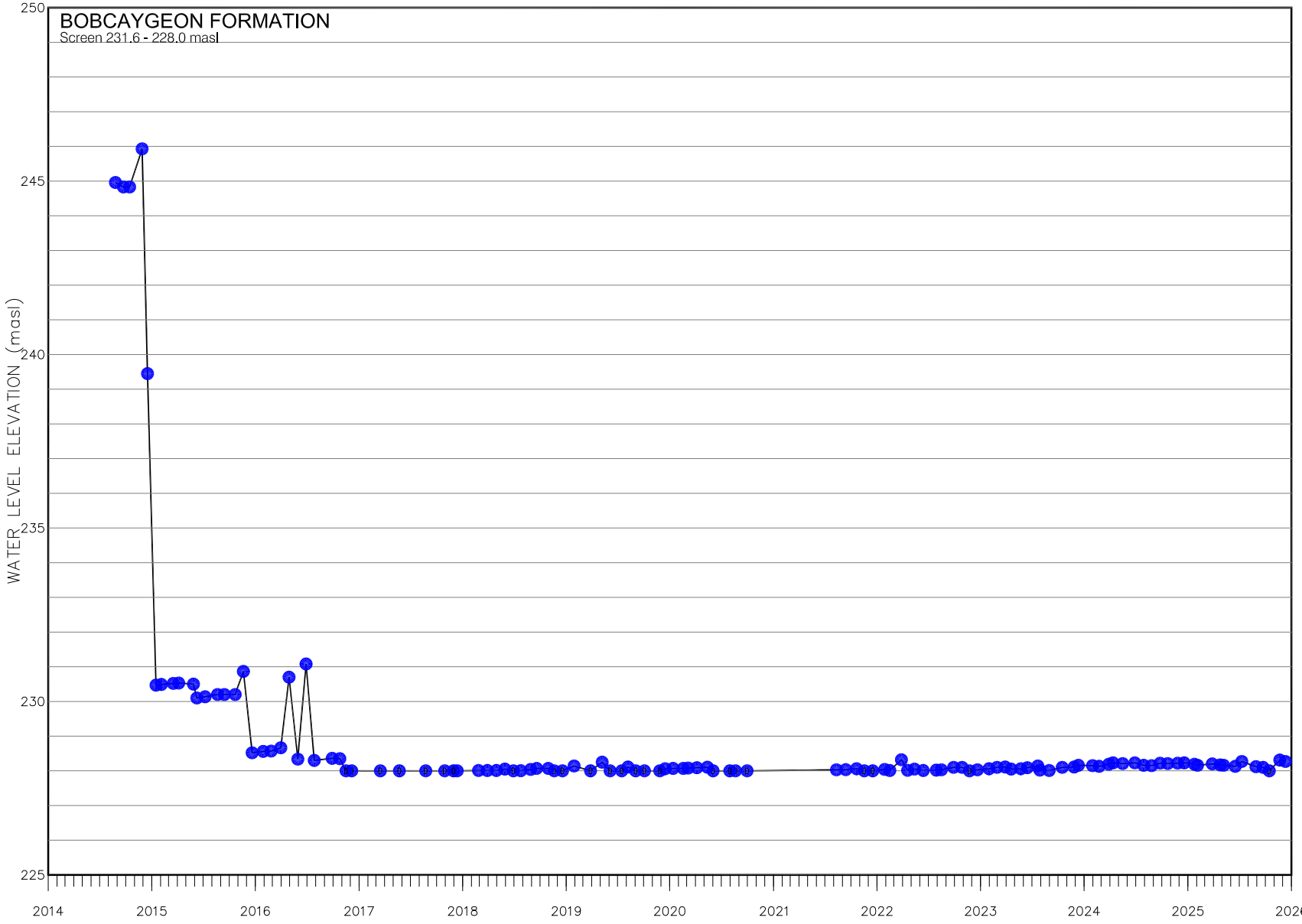


MP Elevation 253.22 masl
Grade 253.0 masl

DATE	ELEVATION
20-Aug-20	DRY
30-Sep-20	DRY
24-Nov-20	DRY
17-Dec-20	DRY
15-Apr-21	DRY
06-May-21	DRY
19-Jul-21	DRY
11-Aug-21	DRY
13-Sep-21	DRY
21-Oct-21	DRY
17-Nov-21	DRY
17-Dec-21	DRY
28-Jan-22	DRY
15-Feb-22	DRY
28-Mar-22	DRY
19-Apr-22	DRY
13-May-22	DRY
29-Jul-22	DRY
16-Aug-22	DRY
28-Sep-22	DRY
28-Oct-22	DRY
23-Nov-22	DRY
21-Dec-22	DRY
31-Jan-23	DRY
28-Feb-23	DRY
29-Mar-23	DRY
19-Apr-23	DRY
23-May-23	DRY
15-Jun-23	DRY
22-Jul-23	DRY
29-Jul-23	DRY
31-Aug-23	DRY
16-Oct-23	DRY
27-Nov-23	DRY
12-Dec-23	DRY
31-Jan-24	DRY
23-Feb-24	DRY
28-Mar-24	DRY
12-Apr-24	DRY
16-May-24	DRY
28-Jun-24	DRY
29-Jul-24	DRY
26-Aug-24	DRY
25-Sep-24	DRY
22-Oct-24	DRY
26-Nov-24	DRY
19-Dec-24	DRY
24-Jan-25	DRY
04-Feb-25	DRY
28-Mar-25	DRY
25-Apr-25	DRY
07-May-25	DRY
17-Jun-25	DRY
10-Jul-25	DRY
29-Aug-25	DRY
23-Sep-25	DRY
15-Oct-25	DRY
21-Nov-25	DRY
11-Dec-25	DRY

GIP AGGREGATES INC. STAN McCARTHY QUARRY	Job No. CA0023633 Date: 5 Feb 26	wsp	B25017

OW9#2

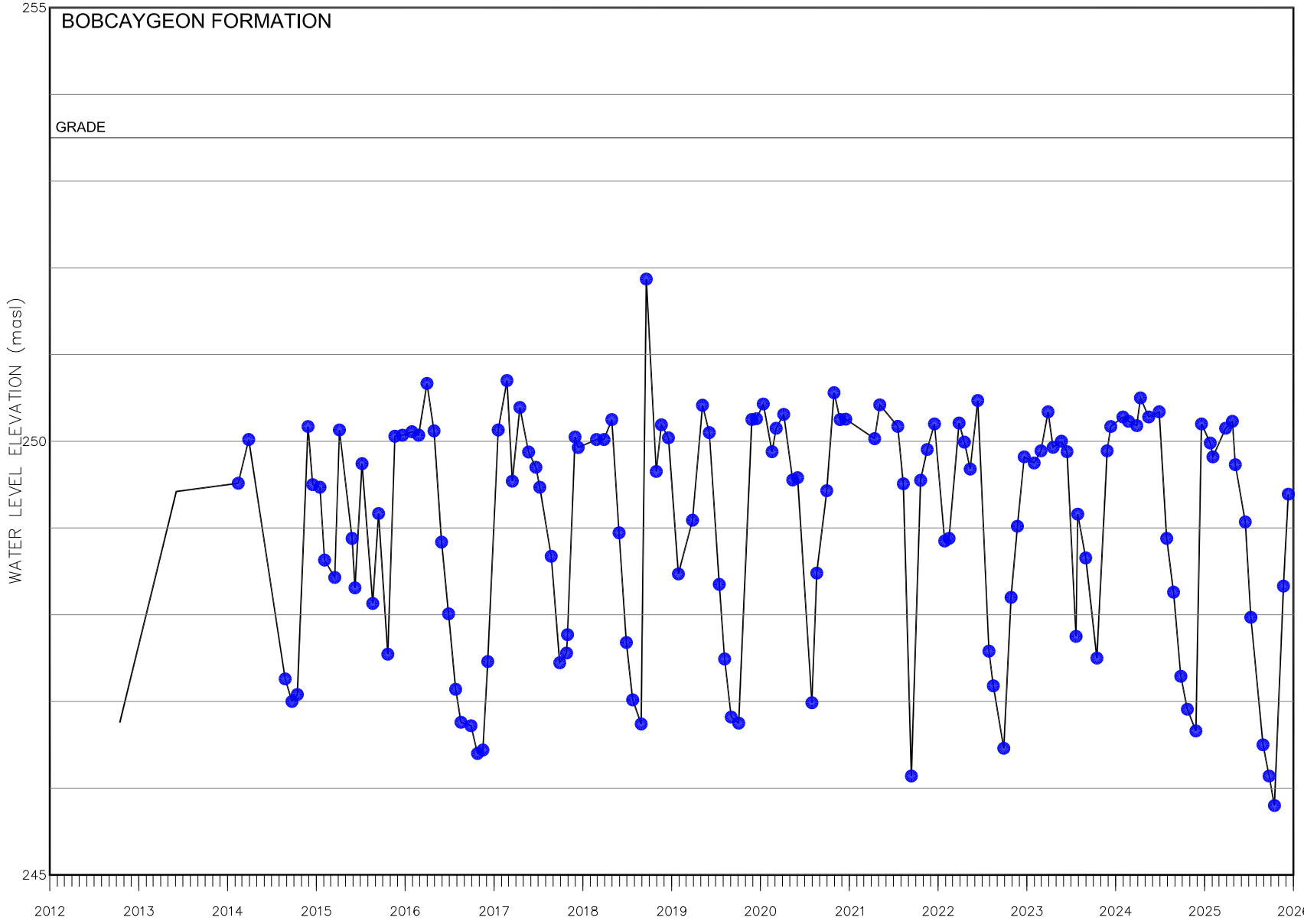


MP Elevation 253.22 masl
Grade 253.0 masl

DATE	ELEVATION
06-Apr-20	228.09
13-May-20	228.10
02-Jun-20	DRY
31-Jul-20	DRY
20-Aug-20	DRY
30-Sep-20	DRY
11-Aug-21	228.03
13-Sep-21	228.04
21-Oct-21	228.06
17-Nov-21	DRY
17-Dec-21	DRY
28-Jan-22	228.04
15-Feb-22	228.01
28-Mar-22	228.32
19-Apr-22	228.01
13-May-22	228.05
13-Jun-22	228.01
29-Jul-22	228.02
16-Aug-22	228.03
28-Sep-22	228.10
28-Oct-22	228.10
23-Nov-22	DRY
21-Dec-22	228.03
31-Jan-23	228.06
28-Feb-23	228.10
29-Mar-23	228.11
19-Apr-23	228.05
23-May-23	228.06
15-Jun-23	228.09
22-Jul-23	228.14
29-Jul-23	228.02
31-Aug-23	228.01
16-Oct-23	228.10
27-Nov-23	228.11
12-Dec-23	228.16
31-Jan-24	228.15
23-Feb-24	228.13
28-Mar-24	228.19
12-Apr-24	228.23
16-May-24	228.21
28-Jun-24	228.23
29-Jul-24	228.16
26-Aug-24	228.15
25-Sep-24	228.22
22-Oct-24	228.21
26-Nov-24	228.22
19-Dec-24	228.23
24-Jan-25	228.19
04-Feb-25	228.16
28-Mar-25	228.20
25-Apr-25	228.17
07-May-25	228.16
17-Jun-25	228.13
10-Jul-25	228.27
29-Aug-25	228.12
23-Sep-25	228.10
15-Oct-25	DRY
21-Nov-25	228.31
11-Dec-25	228.27

GIP AGGREGATES INC. STAN McCARTHY QUARRY	Job No. CA0023633 Date: 5 Feb 26	wsp	B25018

TW1#1

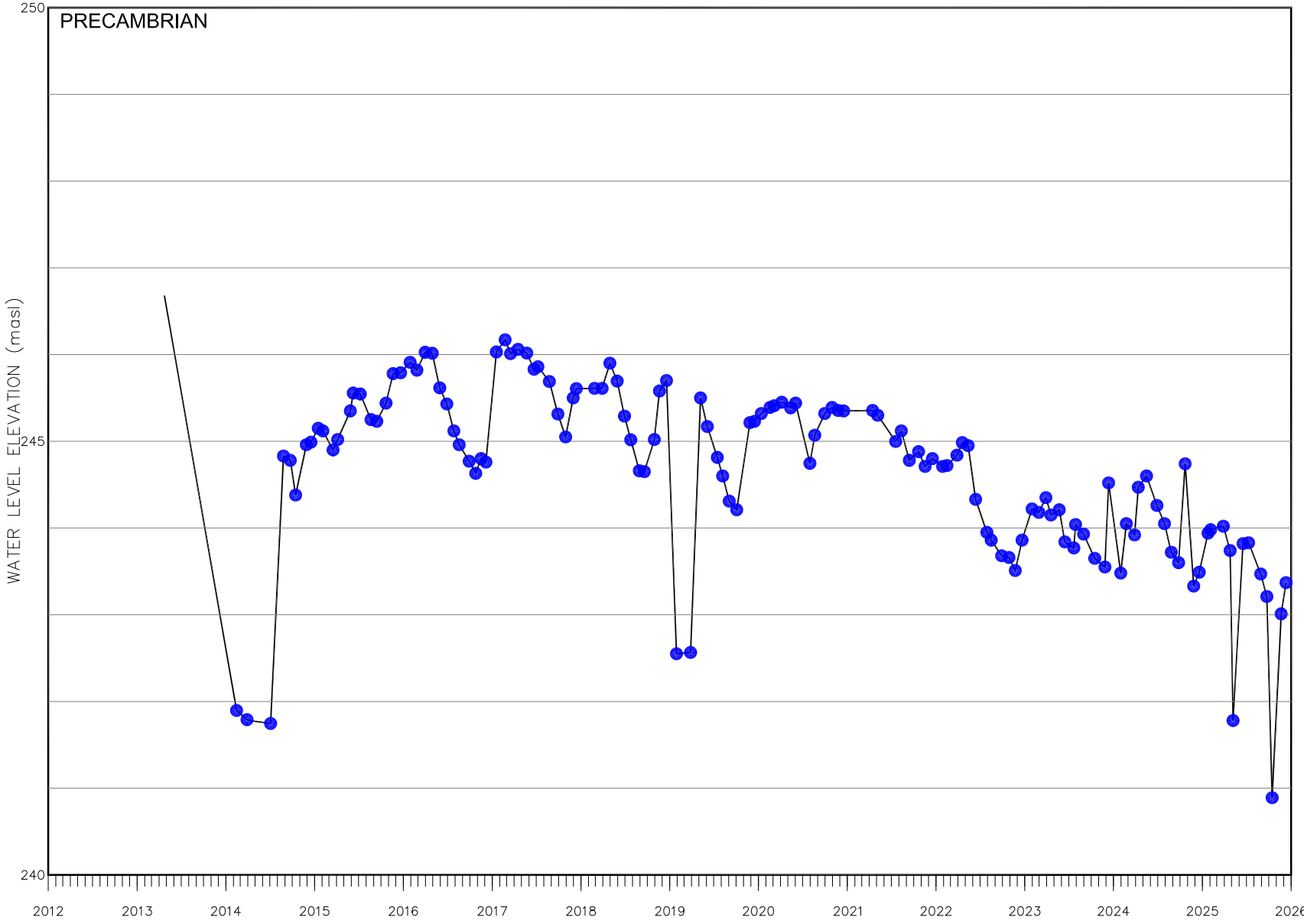


MP Elevation 254.10 masl
Grade 253.5 masl

DATE	ELEVATION
30-Oct-20	250.56
24-Nov-20	250.25
17-Dec-20	250.26
15-Apr-21	250.03
06-May-21	250.42
19-Jul-21	250.17
11-Aug-21	249.51
13-Sep-21	246.14
21-Oct-21	249.55
17-Nov-21	249.90
17-Dec-21	250.20
28-Jan-22	248.85
15-Feb-22	248.88
28-Mar-22	250.21
19-Apr-22	249.99
13-May-22	249.68
13-Jun-22	250.47
29-Jul-22	247.58
16-Aug-22	247.18
28-Sep-22	246.46
28-Oct-22	248.20
23-Nov-22	249.02
21-Dec-22	249.82
31-Jan-23	249.75
28-Feb-23	249.89
29-Mar-23	250.34
19-Apr-23	249.93
23-May-23	250.00
15-Jun-23	249.88
22-Jul-23	247.75
29-Jul-23	249.16
31-Aug-23	248.65
16-Oct-23	247.50
27-Nov-23	249.89
12-Dec-23	250.17
31-Jan-24	250.28
23-Feb-24	250.23
28-Mar-24	250.18
12-Apr-24	250.50
16-May-24	250.28
28-Jun-24	250.34
29-Jul-24	248.88
26-Aug-24	248.26
25-Sep-24	247.29
22-Oct-24	246.91
26-Nov-24	246.66
19-Dec-24	250.20
24-Jan-25	249.98
04-Feb-25	249.82
28-Mar-25	250.15
25-Apr-25	250.23
07-May-25	249.73
17-Jun-25	249.07
10-Jul-25	247.97
29-Aug-25	246.50
23-Sep-25	246.14
15-Oct-25	245.80
21-Nov-25	248.33
11-Dec-25	249.39

GIP AGGREGATES INC. STAN McCARTHY QUARRY	Job No. CA0023633 Date: 5 Feb 26	wsp	B25019

TW1#2

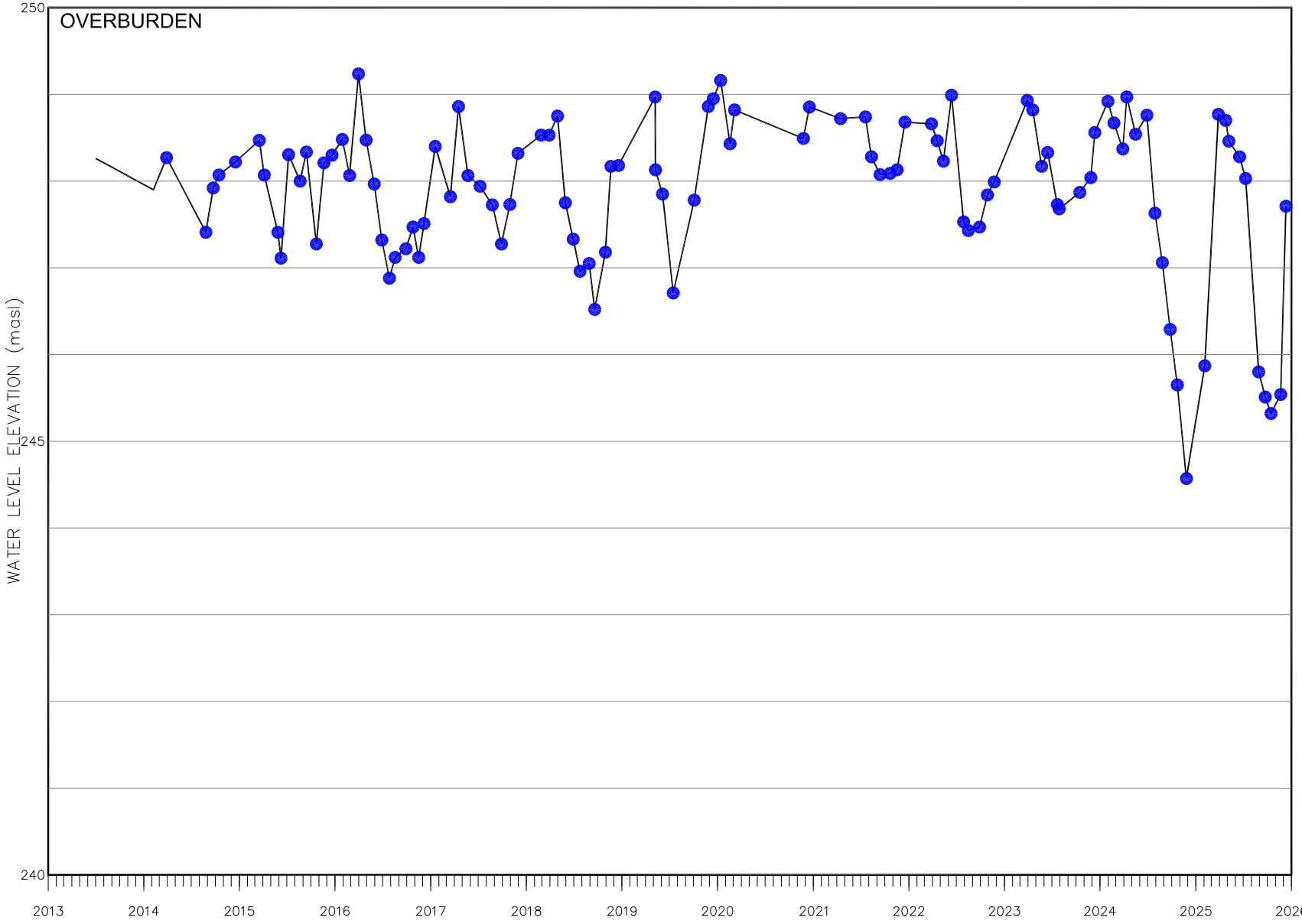


MP Elevation 254.10 masl
Grade 253.5 masl

DATE	ELEVATION
30-Oct-20	245.39
24-Nov-20	245.35
17-Dec-20	245.35
15-Apr-21	245.35
06-May-21	245.30
19-Jul-21	245.00
11-Aug-21	245.12
13-Sep-21	244.78
21-Oct-21	244.88
17-Nov-21	244.71
17-Dec-21	244.80
28-Jan-22	244.71
15-Feb-22	244.72
28-Mar-22	244.84
19-Apr-22	244.99
13-May-22	244.95
13-Jun-22	244.33
29-Jul-22	243.95
16-Aug-22	243.86
28-Sep-22	243.68
28-Oct-22	243.66
23-Nov-22	243.51
21-Dec-22	243.86
31-Jan-23	244.22
28-Feb-23	244.18
29-Mar-23	244.35
19-Apr-23	244.15
23-May-23	244.21
15-Jun-23	243.84
22-Jul-23	243.77
29-Jul-23	244.04
31-Aug-23	243.93
16-Oct-23	243.65
27-Nov-23	243.55
12-Dec-23	244.52
31-Jan-24	243.48
23-Feb-24	244.05
28-Mar-24	243.92
12-Apr-24	244.47
16-May-24	244.60
28-Jun-24	244.26
29-Jul-24	244.05
26-Aug-24	243.72
25-Sep-24	243.60
22-Oct-24	244.74
26-Nov-24	243.33
19-Dec-24	243.49
24-Jan-25	243.94
04-Feb-25	243.98
28-Mar-25	244.02
25-Apr-25	243.74
07-May-25	241.78
17-Jun-25	243.82
10-Jul-25	243.83
29-Aug-25	243.47
23-Sep-25	243.21
15-Oct-25	240.89
21-Nov-25	243.01
11-Dec-25	243.37

GIP AGGREGATES INC. STAN McCARTHY QUARRY	Job No. CA0023633 Date: 5 Feb 26	wsp	B25020

DW1

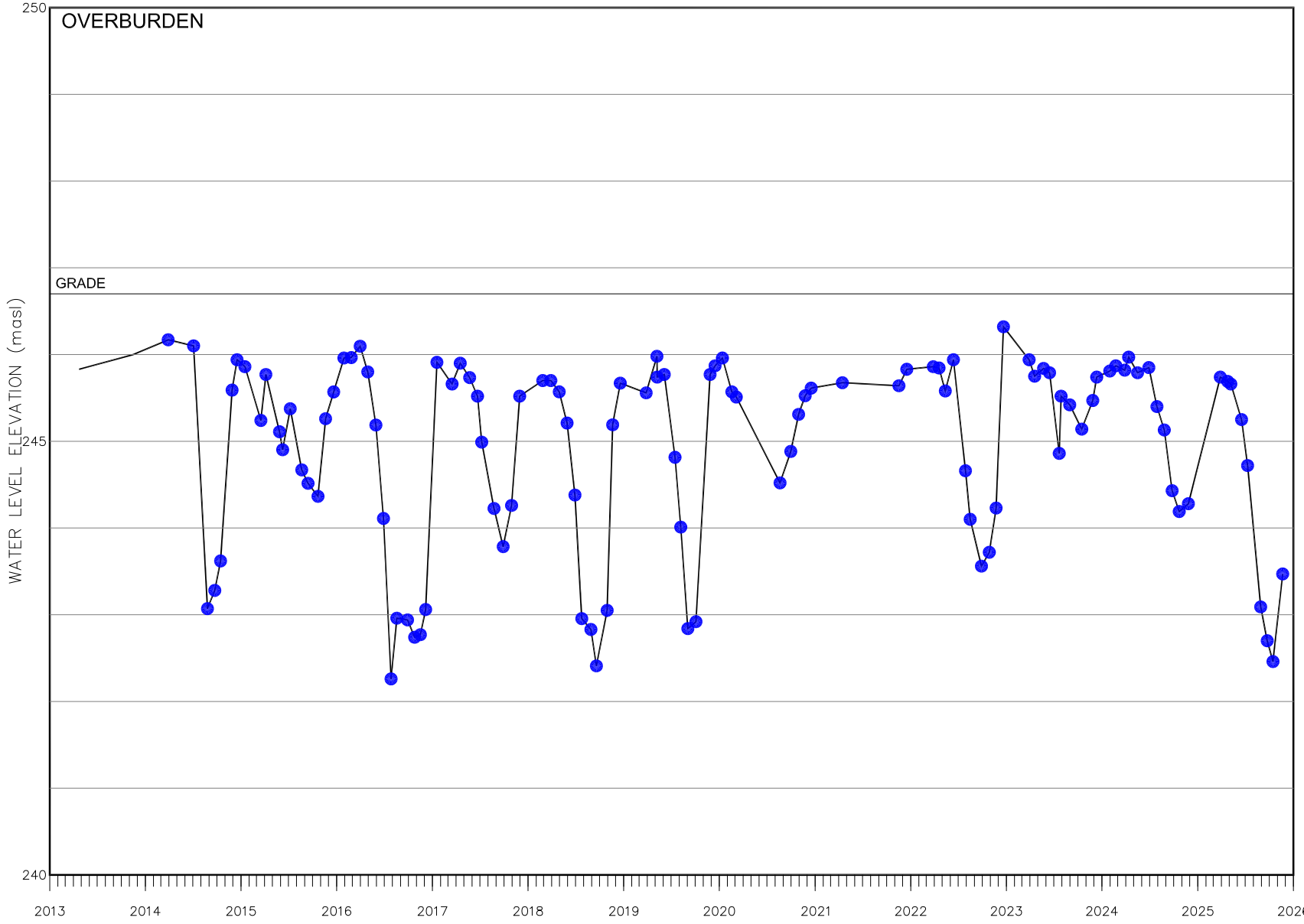


MP Elevation 249.83 masl
Grade 249.4 masl

DATE	ELEVATION
08-May-19	248.97
09-May-19	248.13
05-Jun-19	247.85
16-Jul-19	246.71
04-Oct-19	247.78
27-Nov-19	248.86
16-Dec-19	248.95
13-Jan-20	249.16
18-Feb-20	248.43
06-Mar-20	248.82
24-Nov-20	248.49
17-Dec-20	248.85
15-Apr-21	248.72
19-Jul-21	248.74
11-Aug-21	248.28
13-Sep-21	248.07
21-Oct-21	248.09
17-Nov-21	248.13
17-Dec-21	248.68
28-Mar-22	248.66
19-Apr-22	248.46
13-May-22	248.23
13-Jun-22	248.99
29-Jul-22	247.53
16-Aug-22	247.43
28-Sep-22	247.47
28-Oct-22	247.84
23-Nov-22	247.99
29-Mar-23	248.93
19-Apr-23	248.82
23-May-23	248.17
15-Jun-23	248.33
22-Jul-23	247.73
29-Jul-23	247.68
16-Oct-23	247.87
27-Nov-23	248.04
12-Dec-23	248.56
31-Jan-24	248.92
23-Feb-24	248.67
28-Mar-24	248.37
12-Apr-24	248.97
16-May-24	248.54
28-Jun-24	248.76
29-Jul-24	247.63
26-Aug-24	247.06
25-Sep-24	246.29
22-Oct-24	245.65
26-Nov-24	244.57
04-Feb-25	245.87
28-Mar-25	248.77
25-Apr-25	248.70
07-May-25	248.46
17-Jun-25	248.28
10-Jul-25	248.03
29-Aug-25	245.80
23-Sep-25	245.51
15-Oct-25	245.32
21-Nov-25	245.54
11-Dec-25	247.71

GIP AGGREGATES INC. STAN McCARTHY QUARRY	Job No. CA0023633 Date: 5 Feb 26	wsp	B25021

DW2

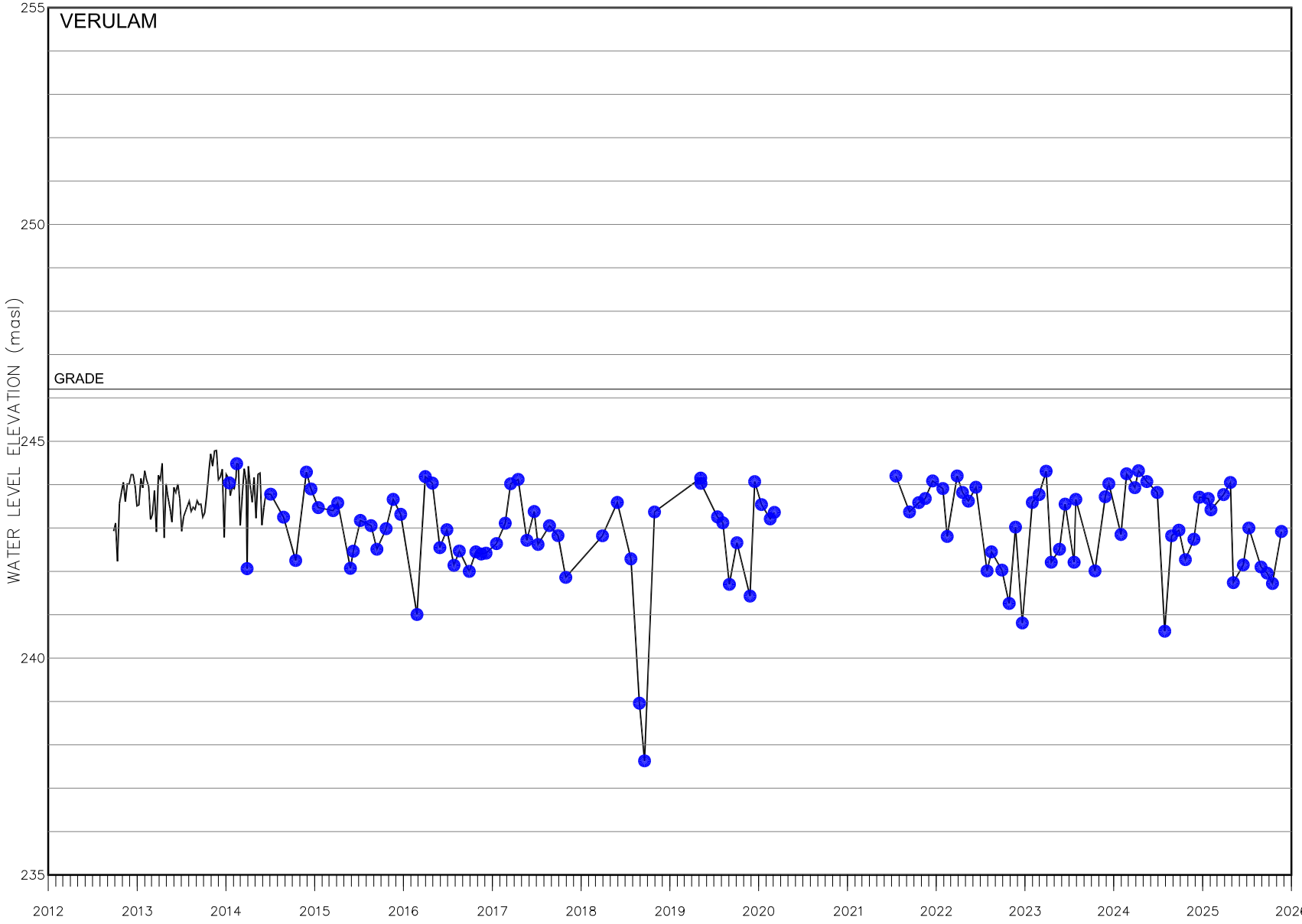


MP Elevation 247.50 masl
Grade 246.7 masl

DATE	ELEVATION
09-May-19	245.74
05-Jun-19	245.77
16-Jul-19	244.82
07-Aug-19	244.01
03-Sep-19	242.84
04-Oct-19	242.92
27-Nov-19	245.77
16-Dec-19	245.87
13-Jan-20	245.96
18-Feb-20	245.57
06-Mar-20	245.51
20-Aug-20	244.52
30-Sep-20	244.88
30-Oct-20	245.31
24-Nov-20	245.52
17-Dec-20	245.61
15-Apr-21	245.68
17-Nov-21	245.64
17-Dec-21	245.83
28-Mar-22	245.86
19-Apr-22	245.85
13-May-22	245.58
13-Jun-22	245.94
29-Jul-22	244.66
16-Aug-22	244.10
28-Sep-22	243.56
28-Oct-22	243.72
23-Nov-22	244.23
21-Dec-22	246.32
29-Mar-23	245.94
19-Apr-23	245.75
23-May-23	245.84
15-Jun-23	245.79
22-Jul-23	244.86
29-Jul-23	245.52
31-Aug-23	245.42
16-Oct-23	245.14
27-Nov-23	245.47
12-Dec-23	245.74
31-Jan-24	245.81
23-Feb-24	245.87
28-Mar-24	245.82
12-Apr-24	245.97
16-May-24	245.79
28-Jun-24	245.85
29-Jul-24	245.40
26-Aug-24	245.13
25-Sep-24	244.43
22-Oct-24	244.19
26-Nov-24	244.28
28-Mar-25	245.74
25-Apr-25	245.69
07-May-25	245.66
17-Jun-25	245.25
10-Jul-25	244.72
29-Aug-25	243.09
23-Sep-25	242.70
15-Oct-25	242.46
21-Nov-25	243.47

GIP AGGREGATES INC. STAN McCARTHY QUARRY	Job No. CA0023633 Date: 5 Feb 26	wsp	B25022

DW3



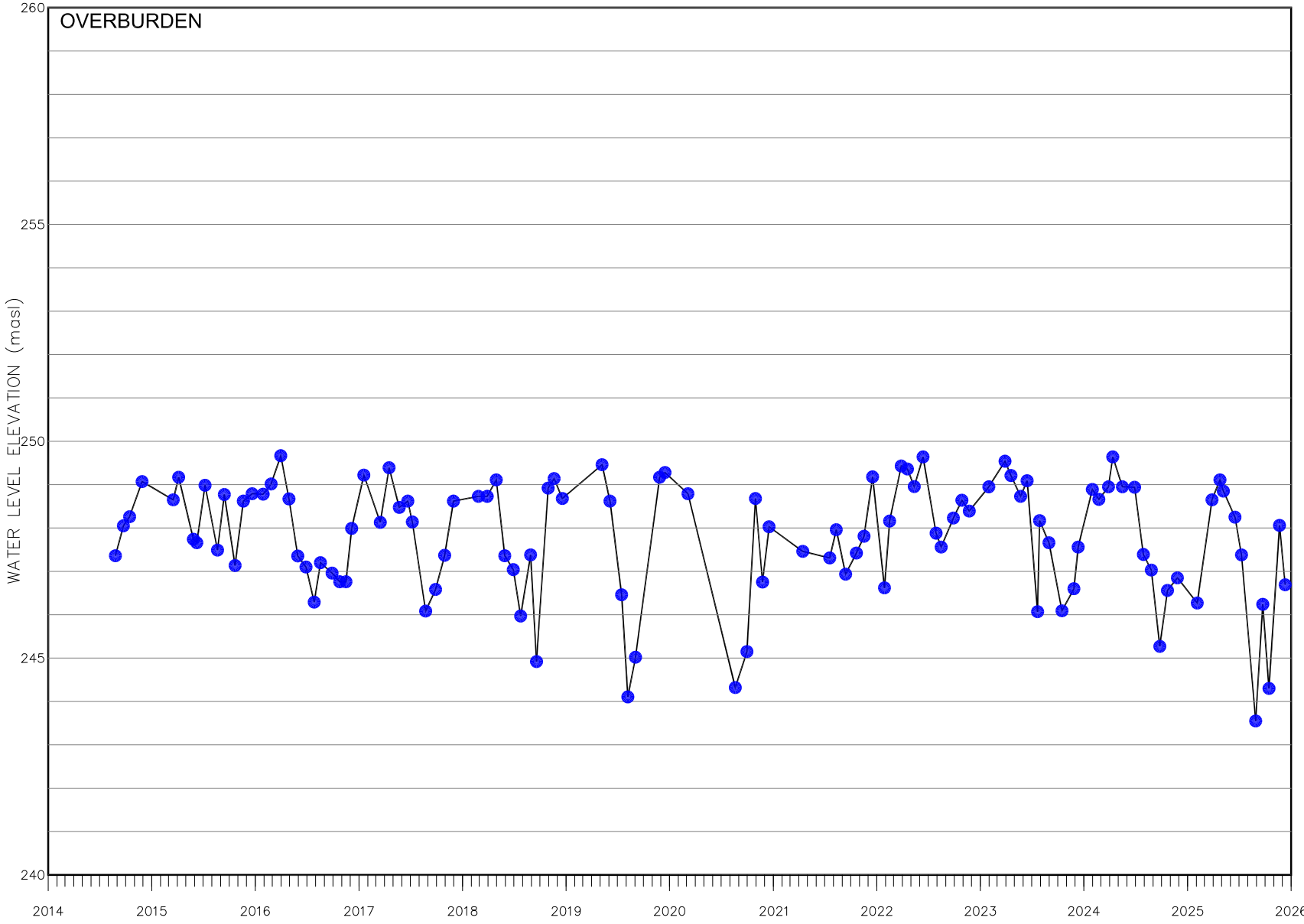
MP Elevation 246.52 masl
Grade 246.2 masl

DATE	ELEVATION
07-Aug-19	243.12
03-Sep-19	241.70
04-Oct-19	242.66
27-Nov-19	241.43
16-Dec-19	244.07
13-Jan-20	243.54
18-Feb-20	243.21
06-Mar-20	243.36
19-Jul-21	244.20
13-Sep-21	243.37
21-Oct-21	243.59
17-Nov-21	243.68
17-Dec-21	244.09
28-Jan-22	243.91
15-Feb-22	242.80
28-Mar-22	244.20
19-Apr-22	243.82
13-May-22	243.62
13-Jun-22	243.94
29-Jul-22	242.01
16-Aug-22	242.45
28-Sep-22	242.03
28-Oct-22	241.26
23-Nov-22	243.02
21-Dec-22	240.81
31-Jan-23	243.59
28-Feb-23	243.77
29-Mar-23	244.31
19-Apr-23	242.21
23-May-23	242.51
15-Jun-23	243.55
22-Jul-23	242.21
29-Jul-23	243.66
16-Oct-23	242.01
27-Nov-23	243.72
12-Dec-23	244.02
31-Jan-24	242.85
23-Feb-24	244.25
28-Mar-24	243.93
12-Apr-24	244.32
16-May-24	244.07
28-Jun-24	243.82
29-Jul-24	240.62
26-Aug-24	242.82
25-Sep-24	242.95
22-Oct-24	242.27
26-Nov-24	242.74
19-Dec-24	243.71
24-Jan-25	243.68
04-Feb-25	243.42
28-Mar-25	243.77
25-Apr-25	244.05
07-May-25	241.74
17-Jun-25	242.15
10-Jul-25	243.00
29-Aug-25	242.10
23-Sep-25	241.96
15-Oct-25	241.72
21-Nov-25	242.92

GIP AGGREGATES INC. STAN McCARTHY QUARRY	Job No. CA0023633 Date: 5 Feb 26	wsp	B25023

DW4

MP Elevation 250.19 masl

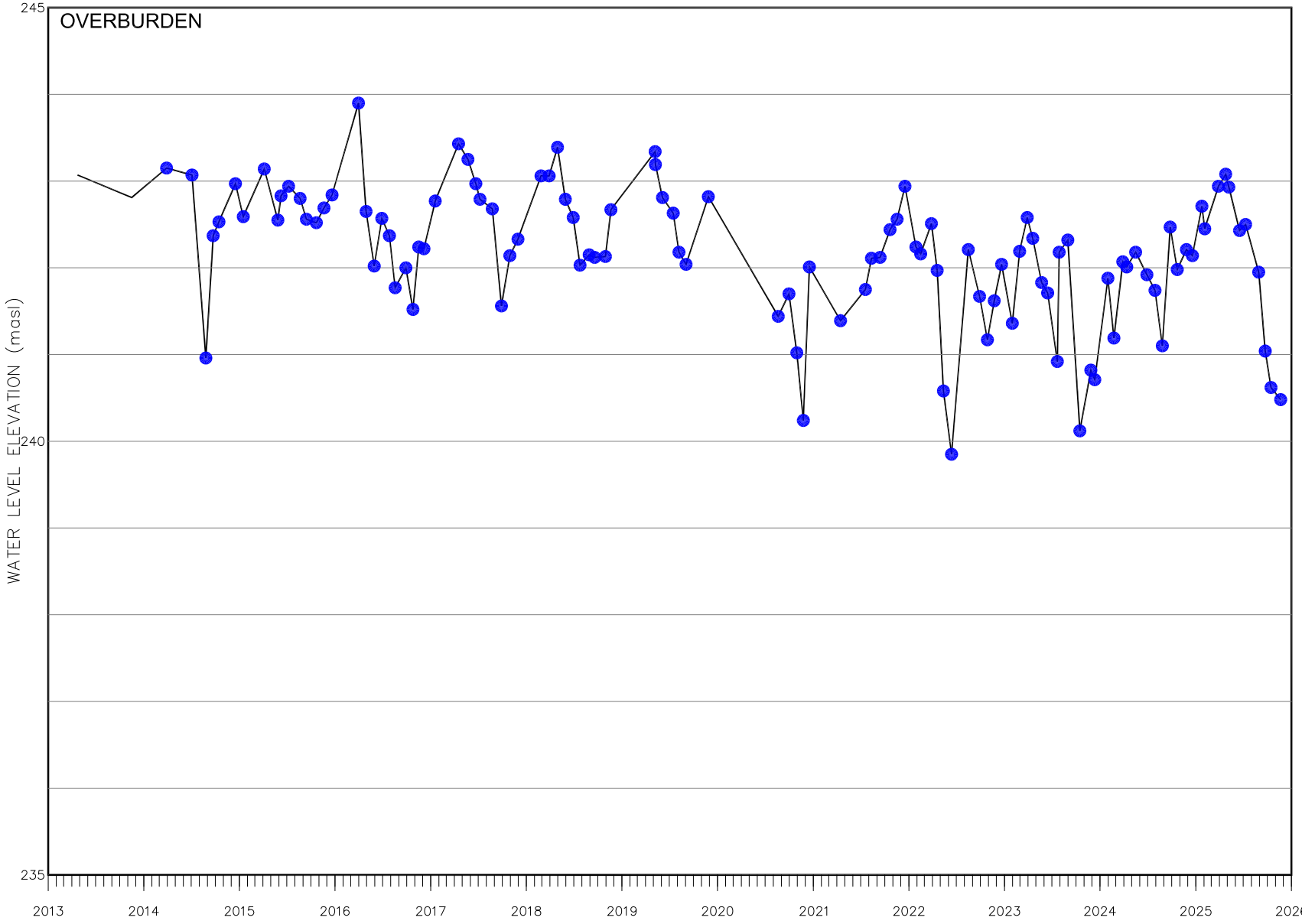


DATE	ELEVATION
27-Nov-19	249.17
16-Dec-19	249.28
06-Mar-20	248.79
20-Aug-20	244.32
30-Sep-20	245.15
30-Oct-20	248.68
24-Nov-20	246.75
17-Dec-20	248.03
15-Apr-21	247.46
19-Jul-21	247.31
11-Aug-21	247.96
13-Sep-21	246.93
21-Oct-21	247.42
17-Nov-21	247.81
17-Dec-21	249.18
28-Jan-22	246.62
15-Feb-22	248.16
28-Mar-22	249.43
19-Apr-22	249.36
13-May-22	248.96
13-Jun-22	249.64
29-Jul-22	247.88
16-Aug-22	247.56
28-Sep-22	248.23
28-Oct-22	248.64
23-Nov-22	248.39
31-Jan-23	248.95
29-Mar-23	249.54
19-Apr-23	249.21
23-May-23	248.73
15-Jun-23	249.09
22-Jul-23	246.07
29-Jul-23	248.17
31-Aug-23	247.66
16-Oct-23	246.09
27-Nov-23	246.60
12-Dec-23	247.56
31-Jan-24	248.89
23-Feb-24	248.66
28-Mar-24	248.95
12-Apr-24	249.64
16-May-24	248.95
28-Jun-24	248.94
29-Jul-24	247.39
26-Aug-24	247.03
25-Sep-24	245.27
22-Oct-24	246.56
26-Nov-24	246.85
04-Feb-25	246.27
28-Mar-25	248.65
25-Apr-25	249.11
07-May-25	248.85
17-Jun-25	248.25
10-Jul-25	247.38
29-Aug-25	243.55
23-Sep-25	246.24
15-Oct-25	244.30
21-Nov-25	248.06
11-Dec-25	246.69

GIP AGGREGATES INC. STAN McCARTHY QUARRY	Job No. CA0023633 Date: 5 Feb 26	wsp	B25024

DW6

MP Elevation 245.00 masl

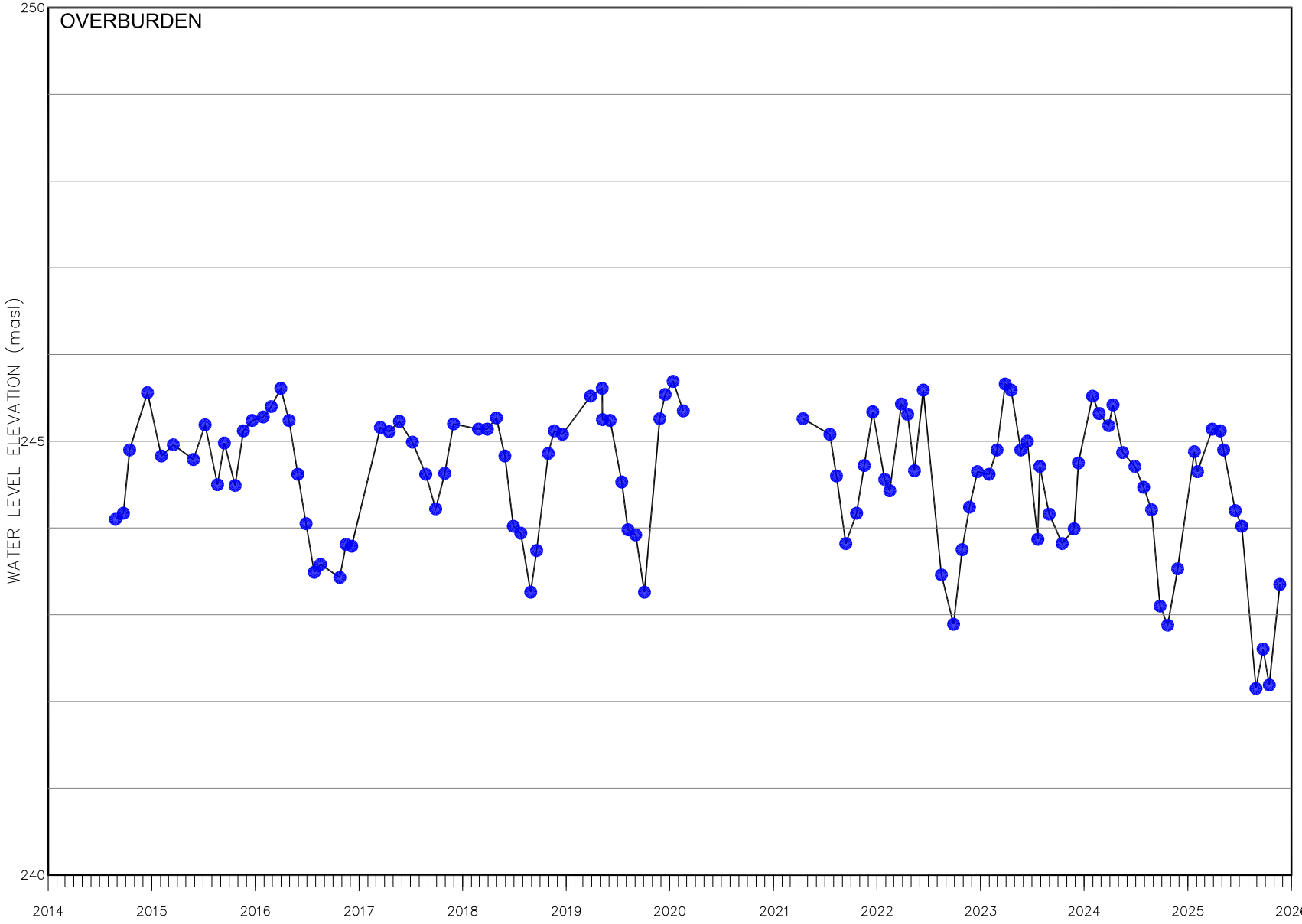


DATE	ELEVATION
27-Nov-19	242.82
20-Aug-20	241.44
30-Sep-20	241.70
30-Oct-20	241.02
24-Nov-20	240.24
17-Dec-20	242.01
15-Apr-21	241.39
19-Jul-21	241.75
11-Aug-21	242.11
13-Sep-21	242.12
21-Oct-21	242.44
17-Nov-21	242.56
17-Dec-21	242.94
28-Jan-22	242.24
15-Feb-22	242.16
28-Mar-22	242.51
19-Apr-22	241.97
13-May-22	240.58
13-Jun-22	239.85
16-Aug-22	242.21
28-Sep-22	241.67
28-Oct-22	241.17
23-Nov-22	241.62
21-Dec-22	242.04
31-Jan-23	241.36
28-Feb-23	242.19
29-Mar-23	242.58
19-Apr-23	242.34
23-May-23	241.83
15-Jun-23	241.71
22-Jul-23	240.92
29-Jul-23	242.18
31-Aug-23	242.32
16-Oct-23	240.12
27-Nov-23	240.82
12-Dec-23	240.71
31-Jan-24	241.88
23-Feb-24	241.19
28-Mar-24	242.07
12-Apr-24	242.01
16-May-24	242.18
28-Jun-24	241.92
29-Jul-24	241.74
26-Aug-24	241.10
25-Sep-24	242.47
22-Oct-24	241.98
26-Nov-24	242.21
19-Dec-24	242.14
24-Jan-25	242.71
04-Feb-25	242.45
28-Mar-25	242.94
25-Apr-25	243.08
07-May-25	242.93
17-Jun-25	242.43
10-Jul-25	242.50
29-Aug-25	241.95
23-Sep-25	241.04
15-Oct-25	240.62
21-Nov-25	240.48

GIP AGGREGATES INC. STAN McCARTHY QUARRY	Job No. CA0023633 Date: 5 Feb 26	wsp	B25025

DW7

MP Elevation 246.00 masl

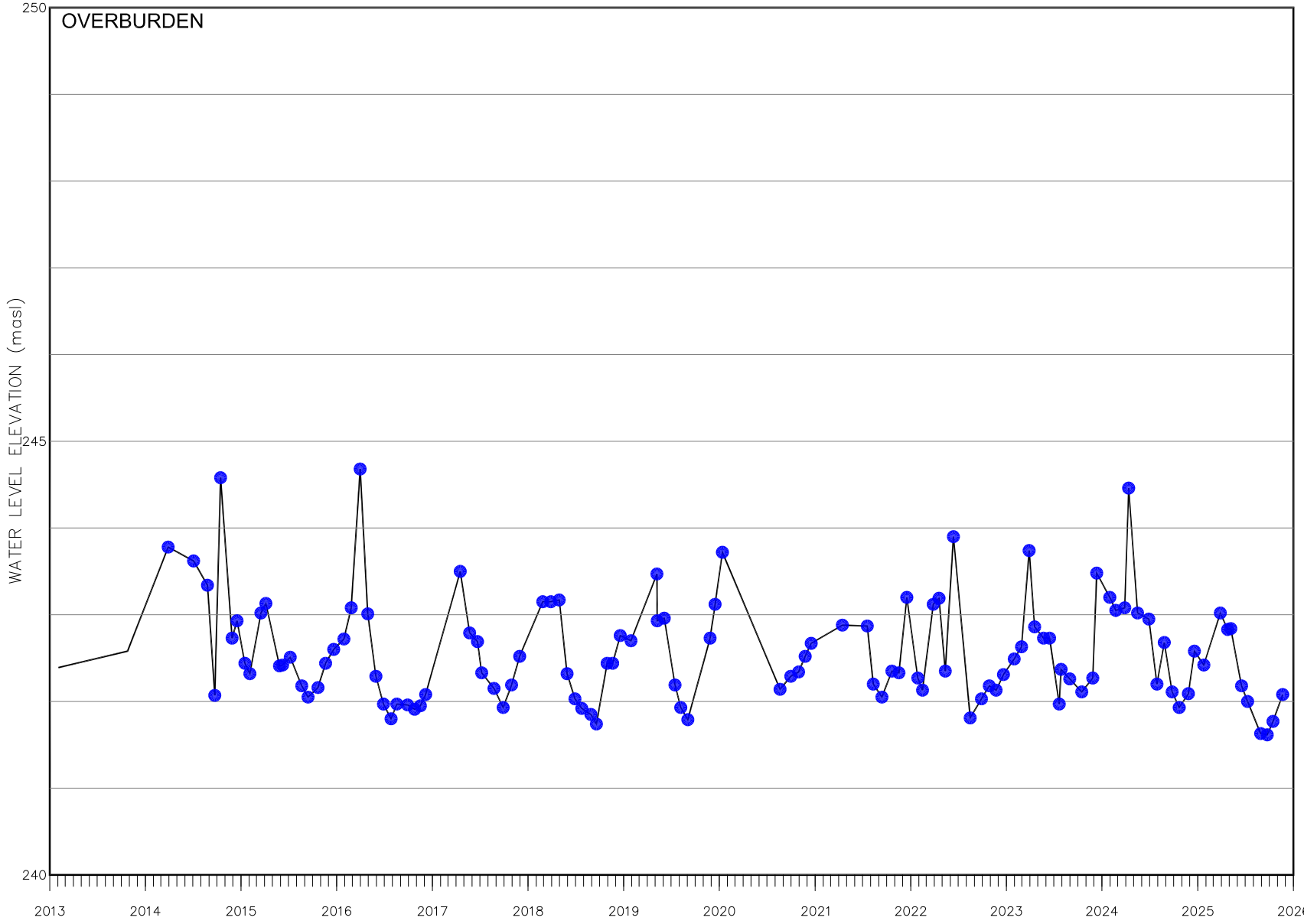


DATE	ELEVATION
07-Aug-19	243.98
03-Sep-19	243.92
04-Oct-19	243.26
27-Nov-19	245.26
16-Dec-19	245.54
13-Jan-20	245.69
18-Feb-20	245.35
15-Apr-21	245.26
19-Jul-21	245.08
11-Aug-21	244.60
13-Sep-21	243.82
21-Oct-21	244.17
17-Nov-21	244.72
17-Dec-21	245.34
28-Jan-22	244.56
15-Feb-22	244.43
28-Mar-22	245.43
19-Apr-22	245.31
13-May-22	244.66
13-Jun-22	245.59
16-Aug-22	243.46
28-Sep-22	242.89
28-Oct-22	243.75
23-Nov-22	244.24
21-Dec-22	244.65
31-Jan-23	244.62
28-Feb-23	244.90
29-Mar-23	245.66
19-Apr-23	245.59
23-May-23	244.90
15-Jun-23	245.00
22-Jul-23	243.87
29-Jul-23	244.71
31-Aug-23	244.16
16-Oct-23	243.82
27-Nov-23	243.99
12-Dec-23	244.75
31-Jan-24	245.52
23-Feb-24	245.32
28-Mar-24	245.18
12-Apr-24	245.42
16-May-24	244.87
28-Jun-24	244.71
29-Jul-24	244.47
26-Aug-24	244.21
25-Sep-24	243.10
22-Oct-24	242.88
26-Nov-24	243.53
24-Jan-25	244.88
04-Feb-25	244.65
28-Mar-25	245.14
25-Apr-25	245.12
07-May-25	244.90
17-Jun-25	244.20
10-Jul-25	244.02
29-Aug-25	242.15
23-Sep-25	242.60
15-Oct-25	242.19
21-Nov-25	243.35

GIP AGGREGATES INC. STAN McCARTHY QUARRY	Job No. CA0023633 Date: 5 Feb 26	wsp	B25026

DW8

MP Elevation 246.00 masl



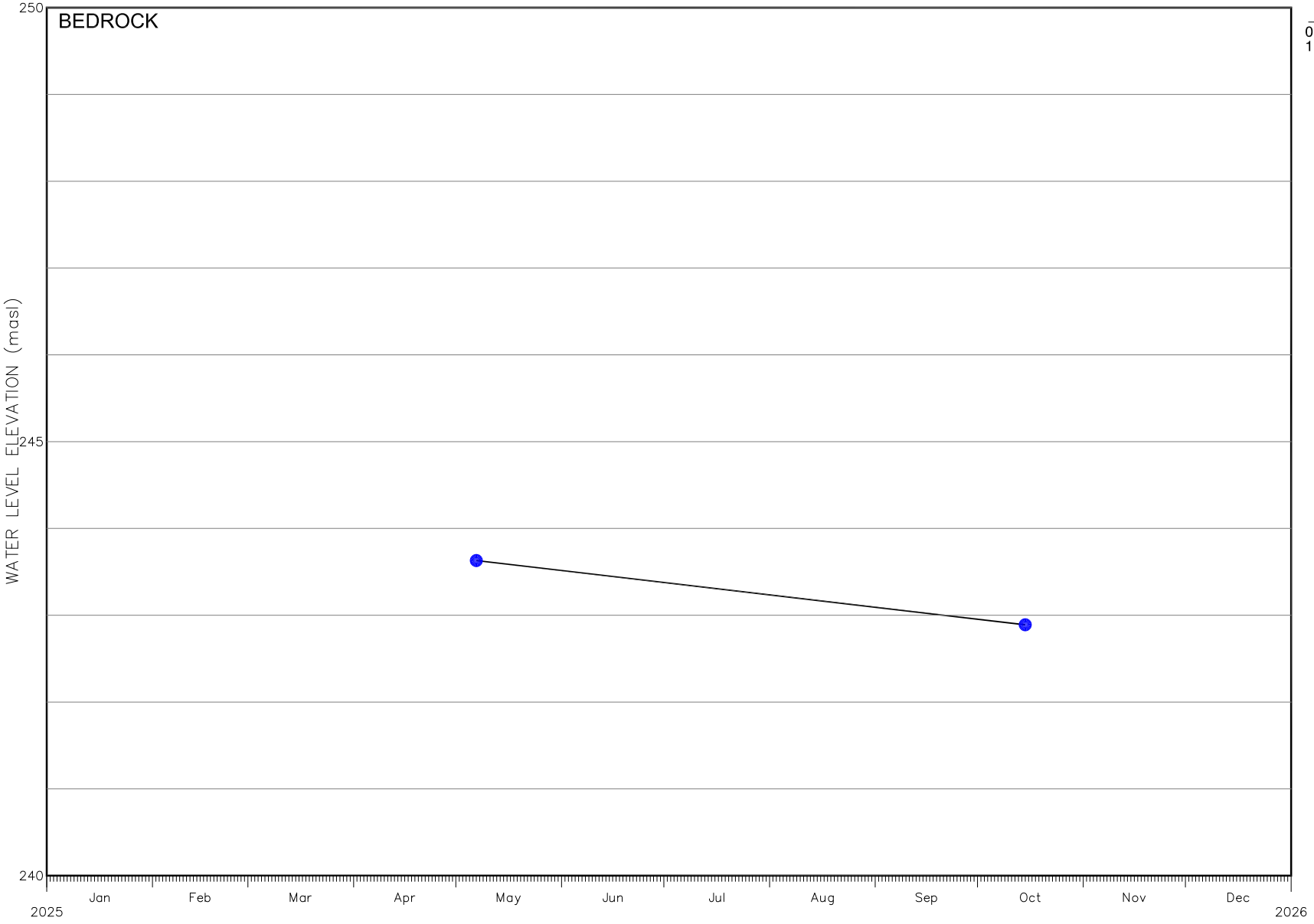
DATE	ELEVATION
16-Dec-19	243.12
13-Jan-20	243.72
20-Aug-20	242.14
30-Sep-20	242.29
30-Oct-20	242.34
24-Nov-20	242.52
17-Dec-20	242.67
15-Apr-21	242.88
19-Jul-21	242.87
11-Aug-21	242.20
13-Sep-21	242.05
21-Oct-21	242.35
17-Nov-21	242.33
17-Dec-21	243.20
28-Jan-22	242.27
15-Feb-22	242.13
28-Mar-22	243.12
19-Apr-22	243.19
13-May-22	242.35
13-Jun-22	243.90
16-Aug-22	241.81
28-Sep-22	242.03
28-Oct-22	242.18
23-Nov-22	242.13
21-Dec-22	242.31
31-Jan-23	242.49
28-Feb-23	242.63
29-Mar-23	243.74
19-Apr-23	242.86
23-May-23	242.73
15-Jun-23	242.73
22-Jul-23	241.97
29-Jul-23	242.37
31-Aug-23	242.26
16-Oct-23	242.11
27-Nov-23	242.27
12-Dec-23	243.48
31-Jan-24	243.20
23-Feb-24	243.05
28-Mar-24	243.08
12-Apr-24	244.46
16-May-24	243.02
28-Jun-24	242.95
29-Jul-24	242.20
26-Aug-24	242.68
25-Sep-24	242.11
22-Oct-24	241.93
26-Nov-24	242.09
19-Dec-24	242.58
24-Jan-25	242.42
28-Mar-25	243.02
25-Apr-25	242.83
07-May-25	242.84
17-Jun-25	242.18
10-Jul-25	242.00
29-Aug-25	241.63
23-Sep-25	241.62
15-Oct-25	241.77
21-Nov-25	242.08

GIP AGGREGATES INC. STAN McCARTHY QUARRY	Job No. CA0023633 Date: 5 Feb 26	wsp	B25027

DW9

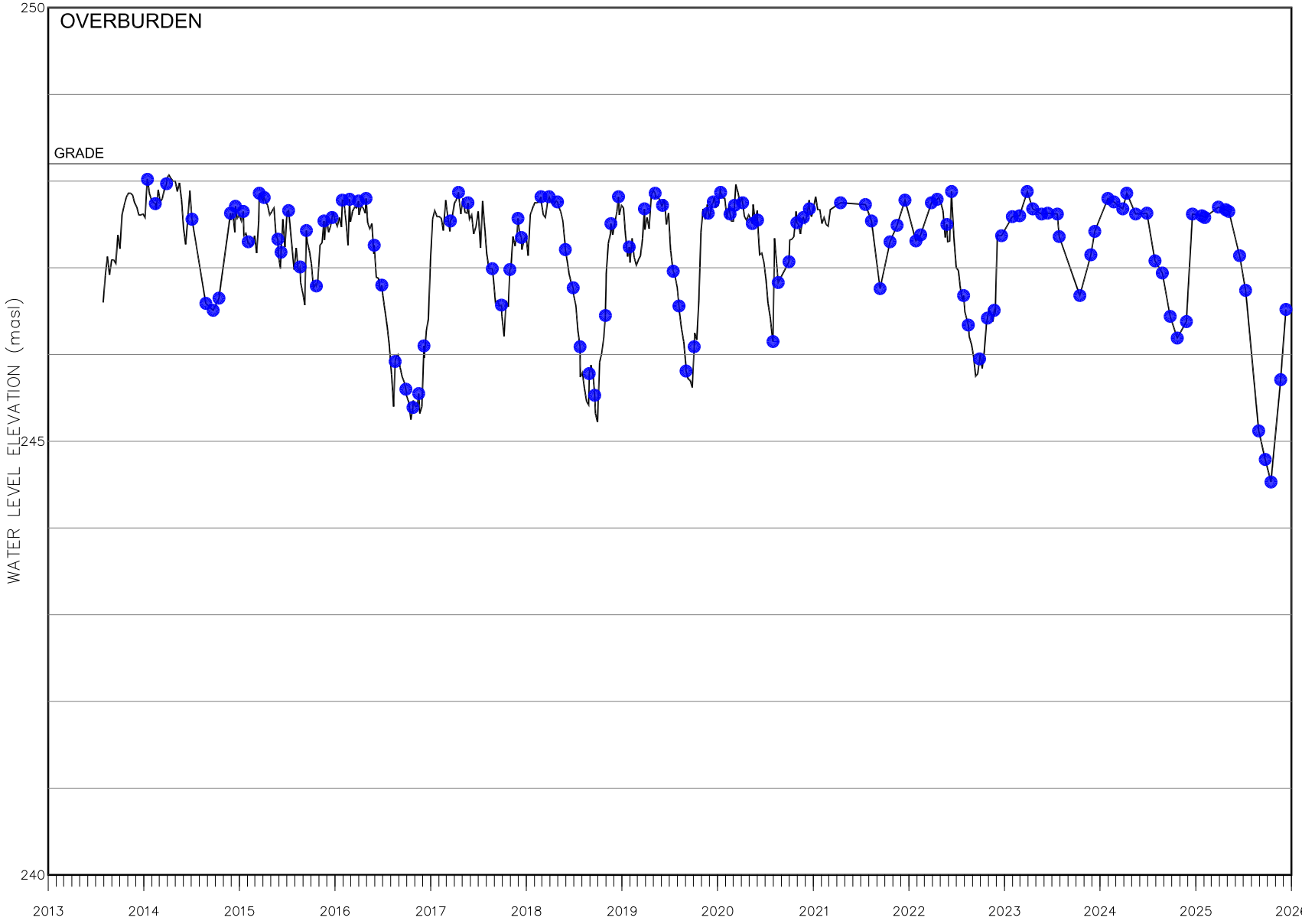
MP Elevation 246.00 masl

DATE	ELEVATION
07-May-25	243.63
15-Oct-25	242.89



GIP AGGREGATES INC. STAN McCARTHY QUARRY	Job No. CA0023633 Date: 5 Feb 26	wsp	B25028

BORED



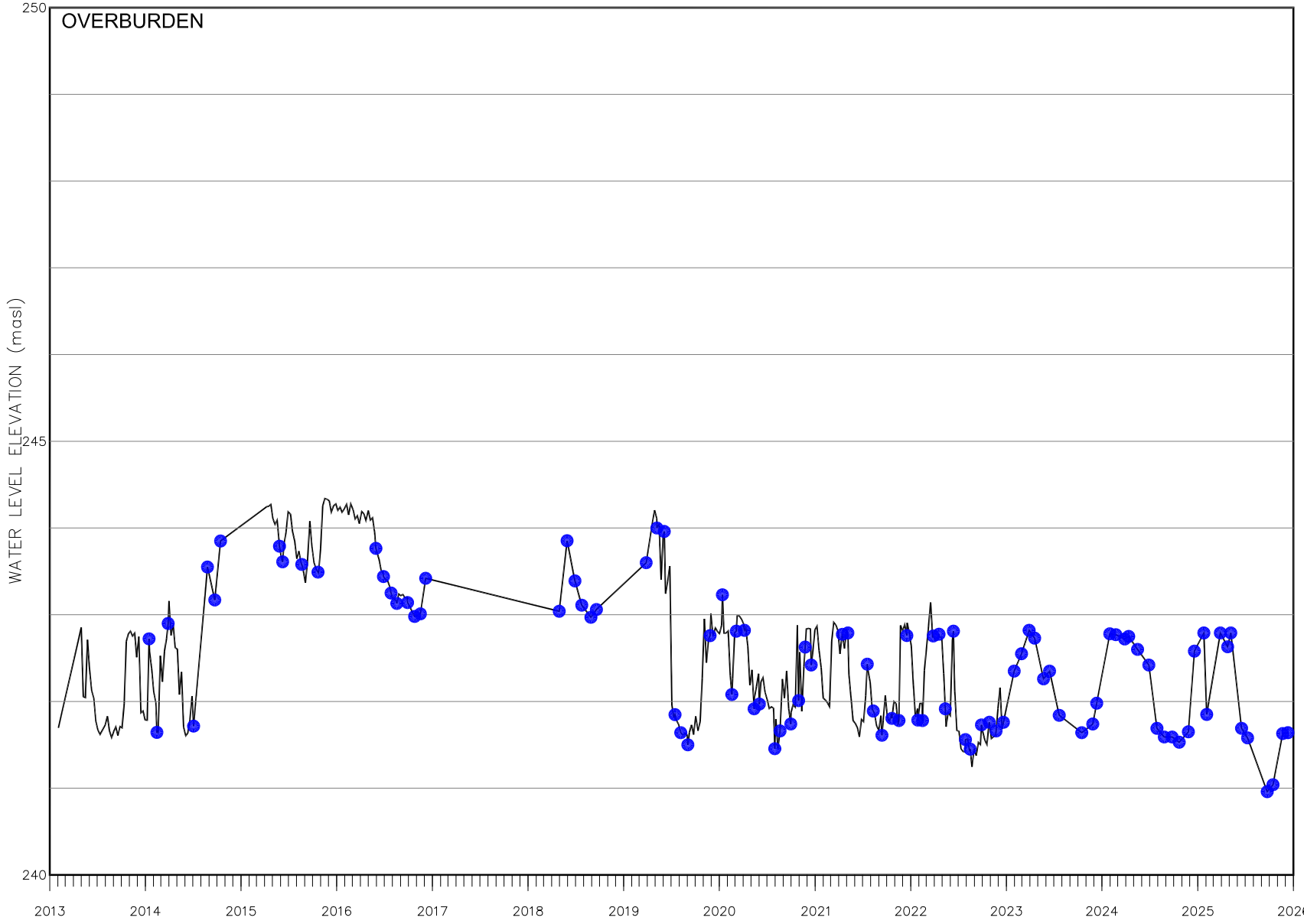
MP Elevation 248.86 masl
Grade 248.2 masl

DATE	ELEVATION
25-Jul-22	246.63
29-Jul-22	246.68
03-Aug-22	246.49
11-Aug-22	246.40
16-Aug-22	246.34
20-Aug-22	246.20
28-Aug-22	246.12
05-Sep-22	245.98
13-Sep-22	245.75
21-Sep-22	245.78
28-Sep-22	245.95
30-Sep-22	246.01
08-Oct-22	245.84
16-Oct-22	246.04
24-Oct-22	246.35
28-Oct-22	246.42
02-Nov-22	246.52
10-Nov-22	246.47
18-Nov-22	246.38
23-Nov-22	246.51
27-Nov-22	246.49
05-Dec-22	247.38
13-Dec-22	247.37
21-Dec-22	247.37
31-Jan-23	247.59
28-Feb-23	247.60
29-Mar-23	247.88
19-Apr-23	247.68
23-May-23	247.62
15-Jun-23	247.63
22-Jul-23	247.62
29-Jul-23	247.36
16-Oct-23	246.68
27-Nov-23	247.15
12-Dec-23	247.42
31-Jan-24	247.80
23-Feb-24	247.76
28-Mar-24	247.68
12-Apr-24	247.86
16-May-24	247.62
28-Jun-24	247.63
29-Jul-24	247.08
26-Aug-24	246.94
25-Sep-24	246.44
22-Oct-24	246.19
26-Nov-24	246.38
19-Dec-24	247.62
24-Jan-25	247.60
04-Feb-25	247.58
28-Mar-25	247.70
25-Apr-25	247.67
07-May-25	247.65
17-Jun-25	247.14
10-Jul-25	246.74
29-Aug-25	245.12
23-Sep-25	244.79
15-Oct-25	244.53
21-Nov-25	245.71
11-Dec-25	246.52

GIP AGGREGATES INC. STAN McCARTHY QUARRY	Job No. CA0023633 Date: 5 Feb 26	wsp	B25029

CKL-1

MP Elevation 244.00 masl

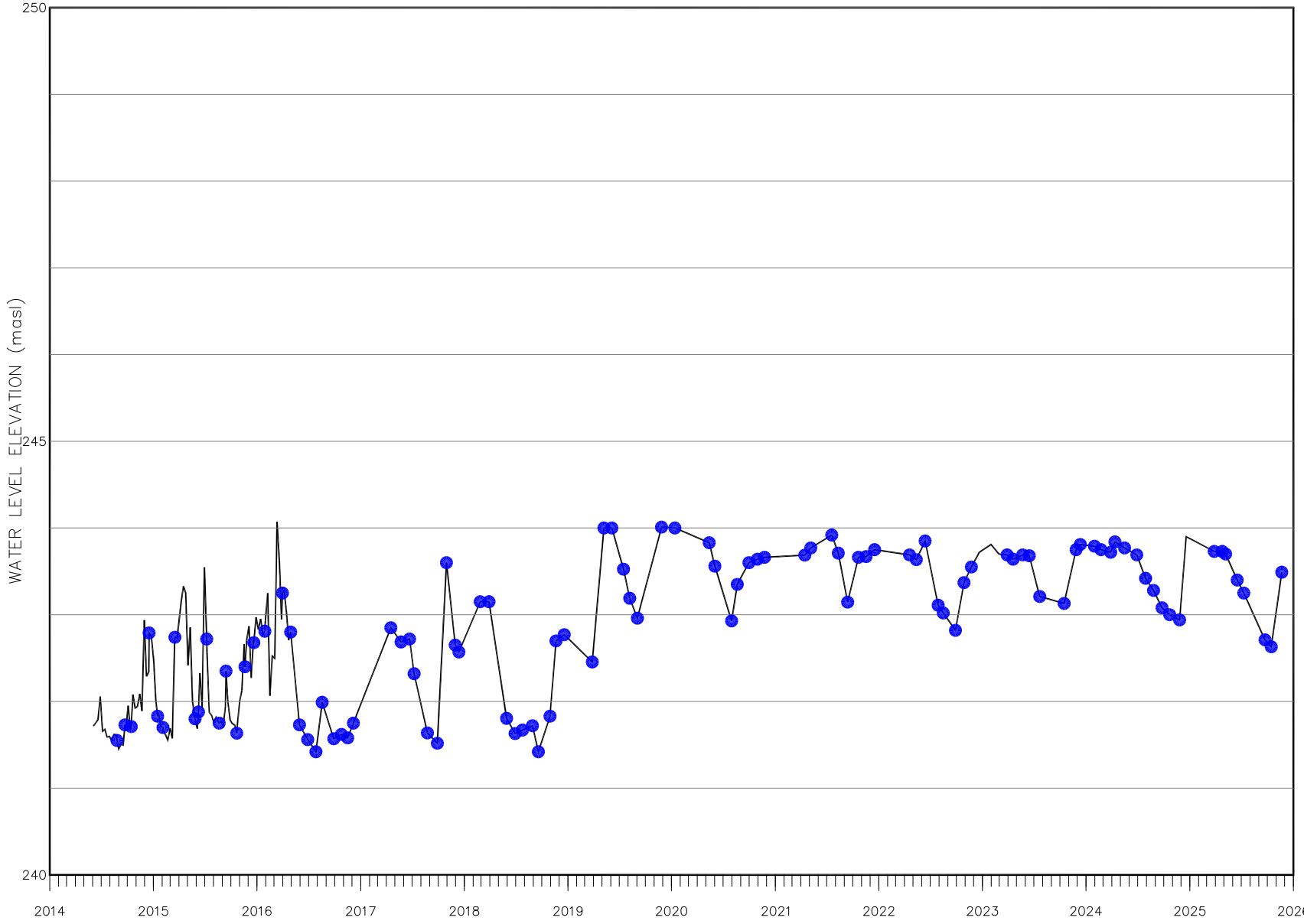


DATE	ELEVATION
12-Jul-22	241.45
20-Jul-22	241.42
28-Jul-22	241.42
29-Jul-22	241.56
06-Aug-22	241.57
14-Aug-22	241.43
16-Aug-22	241.45
23-Aug-22	241.25
31-Aug-22	241.45
08-Sep-22	241.37
16-Sep-22	241.53
24-Sep-22	241.50
28-Sep-22	241.73
03-Oct-22	241.65
11-Oct-22	241.55
19-Oct-22	241.50
27-Oct-22	241.74
28-Oct-22	241.76
05-Nov-22	241.57
13-Nov-22	241.59
21-Nov-22	241.61
23-Nov-22	241.66
30-Nov-22	241.92
08-Dec-22	242.16
16-Dec-22	241.68
21-Dec-22	241.76
31-Jan-23	242.35
28-Feb-23	242.55
29-Mar-23	242.82
19-Apr-23	242.73
23-May-23	242.26
15-Jun-23	242.35
22-Jul-23	241.84
16-Oct-23	241.64
27-Nov-23	241.74
12-Dec-23	241.98
31-Jan-24	242.78
23-Feb-24	242.77
28-Mar-24	242.72
12-Apr-24	242.75
16-May-24	242.60
28-Jun-24	242.42
29-Jul-24	241.69
26-Aug-24	241.59
25-Sep-24	241.59
22-Oct-24	241.53
26-Nov-24	241.65
19-Dec-24	242.58
24-Jan-25	242.79
04-Feb-25	241.85
28-Mar-25	242.79
25-Apr-25	242.63
07-May-25	242.79
17-Jun-25	241.69
10-Jul-25	241.58
23-Sep-25	240.96
15-Oct-25	241.04
21-Nov-25	241.63
11-Dec-25	241.64

GIP AGGREGATES INC. STAN McCARTHY QUARRY	Job No. CA0023633 Date: 5 Feb 26	wsp	B25030

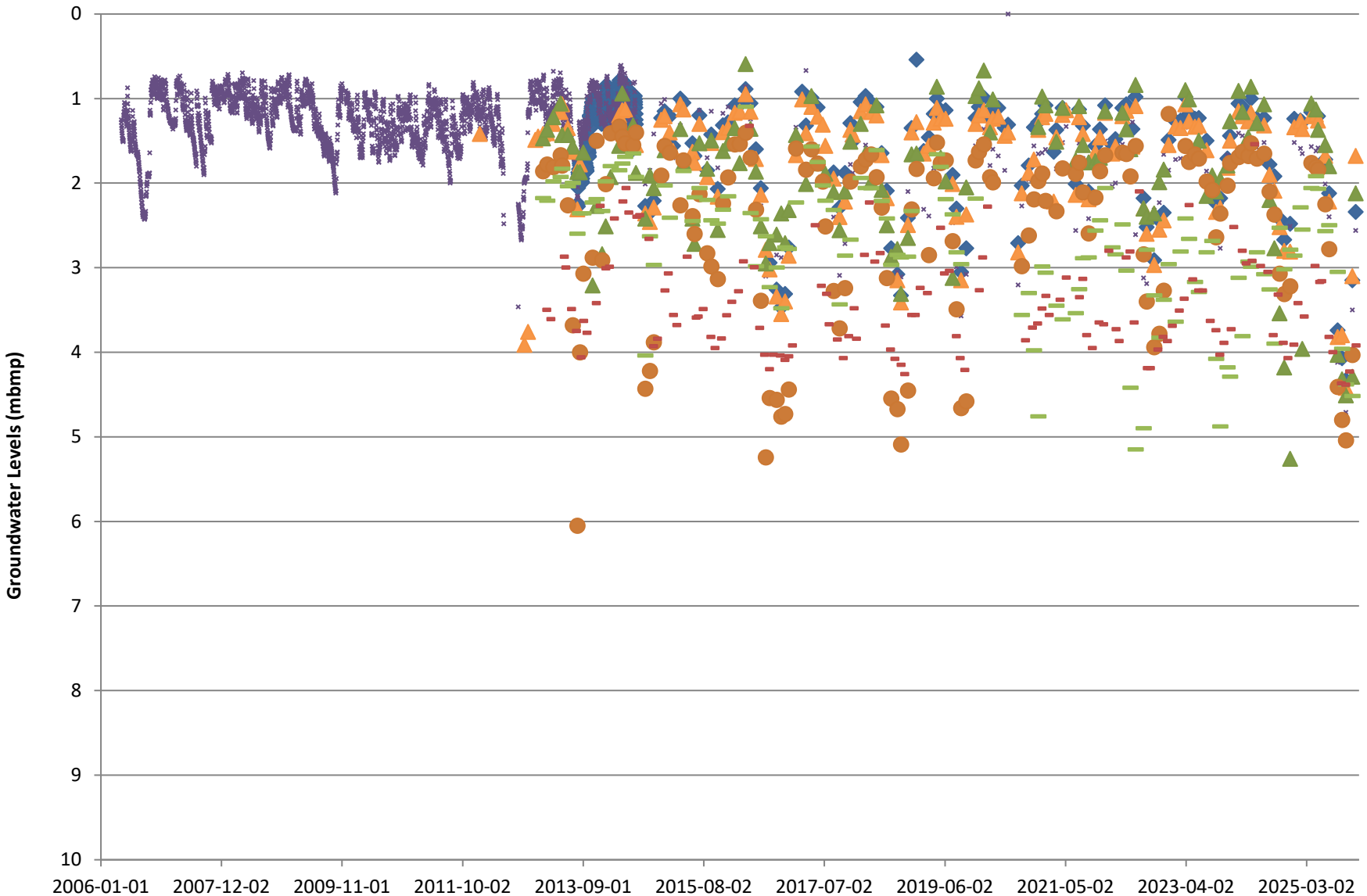
CKL-2

MP Elevation 244.00 masl



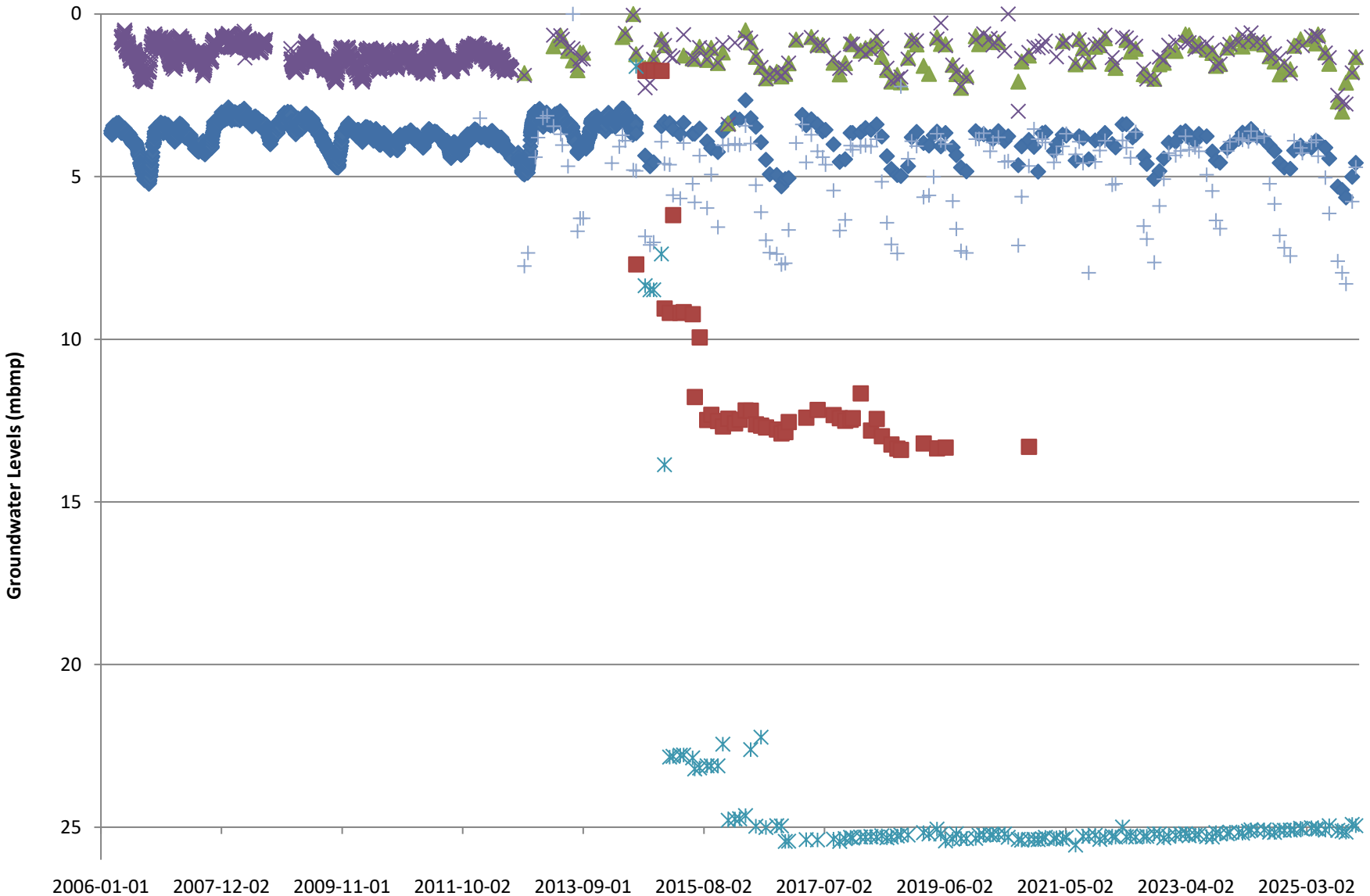
DATE	ELEVATION
07-Aug-19	243.19
03-Sep-19	242.96
27-Nov-19	244.01
13-Jan-20	244.00
06-Apr-20	FLW
13-May-20	243.83
02-Jun-20	243.56
31-Jul-20	242.93
20-Aug-20	243.35
30-Sep-20	243.60
30-Oct-20	243.64
24-Nov-20	243.66
15-Apr-21	243.69
06-May-21	243.77
19-Jul-21	243.92
11-Aug-21	243.71
13-Sep-21	243.15
21-Oct-21	243.66
17-Nov-21	243.67
17-Dec-21	243.75
19-Apr-22	243.69
13-May-22	243.63
13-Jun-22	243.85
29-Jul-22	243.11
16-Aug-22	243.02
28-Sep-22	242.82
28-Oct-22	243.37
23-Nov-22	243.55
21-Dec-22	243.72
31-Jan-23	243.81
28-Feb-23	243.70
29-Mar-23	243.69
19-Apr-23	243.64
23-May-23	243.69
15-Jun-23	243.68
22-Jul-23	243.21
16-Oct-23	243.13
27-Nov-23	243.75
12-Dec-23	243.81
31-Jan-24	243.79
23-Feb-24	243.75
28-Mar-24	243.72
12-Apr-24	243.84
16-May-24	243.77
28-Jun-24	243.69
29-Jul-24	243.42
26-Aug-24	243.28
25-Sep-24	243.08
22-Oct-24	243.00
26-Nov-24	242.94
19-Dec-24	243.90
28-Mar-25	243.73
25-Apr-25	243.73
07-May-25	243.70
17-Jun-25	243.40
10-Jul-25	243.25
23-Sep-25	242.71
15-Oct-25	242.63
21-Nov-25	243.49

GIP AGGREGATES INC. STAN McCARTHY QUARRY	Job No. CA0023633 Date: 5 Feb 26	wsp	B25031



◆ Bored × OW5-1 ▲ AM1b ▲ DW1 ● DW2 — DW6 - DW8	wsp	SCALE: NTS DATE: 18-Feb-26 CAD: CSI	**McCarthy Quarry** **Overburden Monitoring Wells** **GroundwaterLevel**
	FILE No. PROJECT No. CA0052306.5688	TEST: REVIEW: SM	Green Infrastructure Partners Industrial Inc. 2025 Annual Monitoring Report
			FIGURE No **B-1**

wsp	SCALE: NTS	**McCarthy Quarry Verulam Monitoring Wells Groundwater Level**	
	DATE: 18-Feb-26		
	CAD: CSI		
FILE No.	TEST:	Green Infrastructure Partners Industrial Inc.	FIGURE No
PROJECT No. CA0052306.5688	REVIEW: SM	2025 Annual Monitoring Report	B-2



◆ OW4-2 ▲ OW5-2 × OW5-3

+ TW1-1 ■ OW9-I ✳ OW9-II

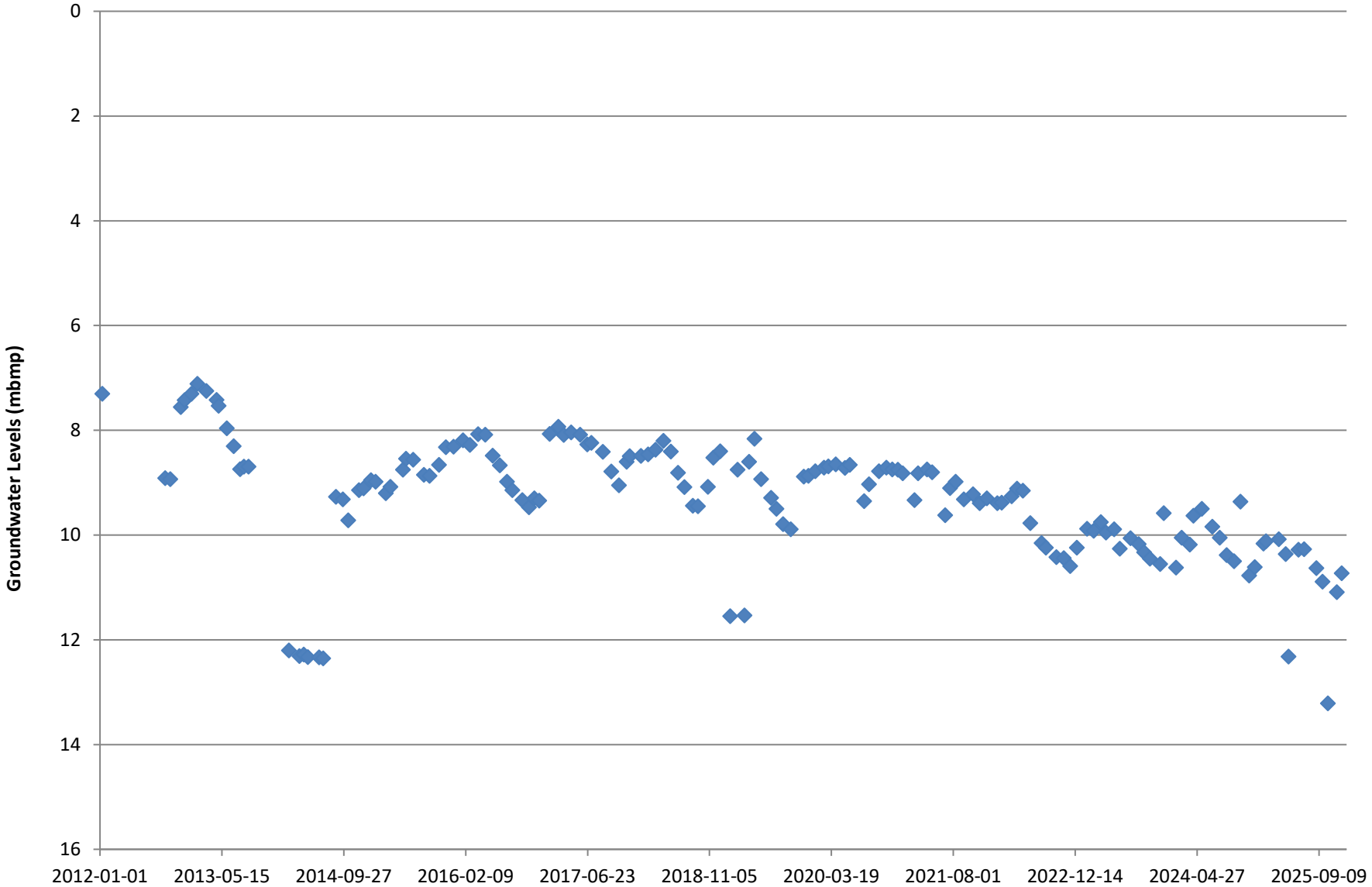
wsp

SCALE:	NTS
DATE:	18-Feb-26
CAD:	CSI
FILE No.	
TEST:	
PROJECT No.	CA0052306.5688
REVIEW:	SM

McCarthy Quarry
Bobcaygeon Monitoring Wells
Groundwater Level

Green Infrastructure Partners Industrial Inc.
2025 Annual Monitoring Report

FIGURE No
B-3



◆ TW1-2

wsp	SCALE: NTS	**McCarthy Quarry** **Precambrian Monitoring Wells** **Groundwater Level**	
	DATE: 18-Feb-26		
	CAD: CSI		
FILE No.	TEST:	Green Infrastructure Partners Industrial Inc.	FIGURE No
PROJECT No. CA0052306.5688	REVIEW: SM	2025 Annual Monitoring Report	**B-4**

APPENDIX C

Certificates of Analysis

Your Project #: CA0052306.5688
Site#: McCarthy
Your C.O.C. #: C#1044377-01-01

Attention: Colin Imrie

WSP Canada Inc.
121 Commerce Park Drive
Unit L
Barrie, ON
CANADA L4N 8X1

Report Date: 2025/06/01
Report #: R8548916
Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C552248
Received: 2025/05/08, 13:16

Sample Matrix: Water
Samples Received: 5

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity	5	N/A	2025/05/10	CAM SOP-00448	SM 24 2320 B m
Carbonate, Bicarbonate and Hydroxide	5	N/A	2025/05/10	CAM SOP-00102	APHA 4500-CO2 D
Chloride by Automated Colourimetry	1	N/A	2025/05/11	CAM SOP-00463	SM 24 4500-Cl E m
Chloride by Automated Colourimetry	4	N/A	2025/05/12	CAM SOP-00463	SM 24 4500-Cl E m
Colour	5	N/A	2025/05/22	CAM SOP-00412	SM 24 2120C m
Conductivity	5	N/A	2025/05/10	CAM SOP-00414	SM 24 2510 m
Dissolved Organic Carbon (DOC) (1)	4	N/A	2025/05/10	CAM SOP-00446	SM 24 5310 B m
Dissolved Organic Carbon (DOC) (1)	1	N/A	2025/05/09	CAM SOP-00446	SM 24 5310 B m
Fluoride	5	2025/05/09	2025/05/10	CAM SOP-00449	SM 24 4500-F C m
Hardness (calculated as CaCO3)	1	N/A	2025/05/12	CAM SOP 00102/00408/00447	SM 2340 B
Hardness (calculated as CaCO3)	4	N/A	2025/05/14	CAM SOP 00102/00408/00447	SM 2340 B
Dissolved Metals by ICPMS	4	N/A	2025/05/13	CAM SOP-00447	EPA 6020B m
Dissolved Metals by ICPMS	1	N/A	2025/05/09	CAM SOP-00447	EPA 6020B m
Ion Balance (% Difference)	1	N/A	2025/05/12		
Ion Balance (% Difference)	4	N/A	2025/05/14		
Anion and Cation Sum	1	N/A	2025/05/12	CAM SOP-00102	SM 24 1030E m
Anion and Cation Sum	4	N/A	2025/05/14	CAM SOP-00102	SM 24 1030E m
Total Ammonia-N	5	N/A	2025/05/12	CAM SOP-00441	USGS I-2522-90 m
Nitrate & Nitrite as Nitrogen in Water (2)	5	N/A	2025/05/09	CAM SOP-00440	SM 24 4500-NO3I/NO2B
pH (3)	5	2025/05/09	2025/05/10	CAM SOP-00413	SM 24th - 4500H+ B
Field Measured pH (4)	4	N/A	2025/05/12		Field pH Meter
Orthophosphate	1	N/A	2025/05/11	CAM SOP-00461	SM 24 4500-P E
Orthophosphate	4	N/A	2025/05/12	CAM SOP-00461	SM 24 4500-P E
Sat. pH and Langelier Index (@ 20C)	1	N/A	2025/05/12		Auto Calc
Sat. pH and Langelier Index (@ 20C)	4	N/A	2025/05/14		Auto Calc
Sat. pH and Langelier Index (@ 4C)	1	N/A	2025/05/12		Auto Calc
Sat. pH and Langelier Index (@ 4C)	4	N/A	2025/05/14		Auto Calc
Sulphate by Automated Turbidimetry	1	N/A	2025/05/11	CAM SOP-00464	SM 24 4500-SO42- E m

Your Project #: CA0052306.5688
Site#: McCarthy
Your C.O.C. #: C#1044377-01-01

Attention: Colin Imrie

WSP Canada Inc.
121 Commerce Park Drive
Unit L
Barrie, ON
CANADA L4N 8X1

Report Date: 2025/06/01
Report #: R8548916
Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C552248
Received: 2025/05/08, 13:16

Sample Matrix: Water
Samples Received: 5

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Sulphate by Automated Turbidimetry	4	N/A	2025/05/12	CAM SOP-00464	SM 24 4500-SO42- E m
Tannins & Lignins	5	N/A	2025/05/12	CAM SOP-00410	SM 24 5550 B m
Total Dissolved Solids (TDS calc)	1	N/A	2025/05/12		Auto Calc
Total Dissolved Solids (TDS calc)	4	N/A	2025/05/14		Auto Calc
Field Temperature (4)	4	N/A	2025/05/12		Field Thermometer
Turbidity	5	N/A	2025/05/09	CAM SOP-00417	SM 24 2130 B

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) Dissolved Organic Carbon (DOC) present in the sample should be considered as non-purgeable DOC.
(2) Values for calculated parameters may not appear to add up due to rounding of raw data and significant figures.
(3) "The CCME method and Analytical Protocol (O. Reg 153/04, O. Reg. 406/19) requires pH to be analyzed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are reported past the CCME and Analytical Protocol (O. Reg 153/04, O. Reg. 406/19) holding time. Bureau Veritas endeavors

Your Project #: CA0052306.5688
Site#: McCarthy
Your C.O.C. #: C#1044377-01-01

Attention: Colin Imrie

WSP Canada Inc.
121 Commerce Park Drive
Unit L
Barrie, ON
CANADA L4N 8X1

Report Date: 2025/06/01
Report #: R8548916
Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C552248

Received: 2025/05/08, 13:16

to analyze samples as soon as possible after receipt."

(4) This is a field test, therefore, the results relate to items that were not analysed at Bureau Veritas.

Encryption Key

Keshani Vijh
Sr. Project Manager
02 Jun 2025 14:34:25

Please direct all questions regarding this Certificate of Analysis to:
Keshani Vijh, Sr. Project Manager
Email: keshani.vijh@bureauveritas.com
Phone# (905) 817-5700

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Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

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RCAP - COMPREHENSIVE (WATER)

Bureau Veritas ID				AQRM11		AQRM12		
Sampling Date				2025/05/07 11:45		2025/05/07 12:00		
COC Number				C#1044377-01-01		C#1044377-01-01		
	UNITS	MAC	A/O	DW1	QC Batch	DW2	RDL	QC Batch
Calculated Parameters								
Anion Sum	me/L	-	-	11.2	9925824	6.01	N/A	9925824
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	-	-	340	9925806	280	1.0	9925806
Calculated TDS	mg/L	-	500	**610**	9925794	310	1.0	9925794
Carb. Alkalinity (calc. as CaCO3)	mg/L	-	-	2.0	9925806	1.5	1.0	9925806
Cation Sum	me/L	-	-	11.7	9925824	6.02	N/A	9925824
Hardness (CaCO3)	mg/L	-	80:100	**460**	9925624	**280**	1.0	9925624
Ion Balance (% Difference)	%	-	-	2.27	9925823	0.0700	N/A	9925823
Langelier Index (@ 20C)	N/A	-	-	0.956	9925816	0.775		9925816
Langelier Index (@ 4C)	N/A	-	-	0.709	9925817	0.526		9925817
Saturation pH (@ 20C)	N/A	-	-	6.83	9925816	6.97		9925816
Saturation pH (@ 4C)	N/A	-	-	7.08	9925817	7.22		9925817
Inorganics								
Total Ammonia-N	mg/L	-	-	<0.050	9926908	<0.050	0.050	9926908
Conductivity	umho/cm	-	-	1200	9926143	560	2.0	9926143
Dissolved Organic Carbon	mg/L	-	5	1.2	9926210	2.5	0.40	9926210
Orthophosphate (P)	mg/L	-	-	<0.010	9926312	<0.010	0.010	9926316
pH	pH	-	6.5:8.5	7.78	9926142	7.75		9926142
Dissolved Sulphate (SO4)	mg/L	-	500	30	9926311	9.8	1.0	9926318
Alkalinity (Total as CaCO3)	mg/L	-	30:500	340	9926141	290	1.0	9926141
Dissolved Chloride (Cl-)	mg/L	-	250	130	9926309	2.7	1.0	9926317
Nitrite (N)	mg/L	1	-	<0.010	9926147	<0.010	0.010	9926147
Nitrate (N)	mg/L	10	-	0.18	9926147	0.36	0.10	9926147
Nitrate + Nitrite (N)	mg/L	10	-	0.18	9926147	0.36	0.10	9926147
Metals								
Dissolved Aluminum (Al)	ug/L	-	100	5.8	9926060	<4.9	4.9	9926060
Dissolved Antimony (Sb)	ug/L	6	-	<0.50	9926060	<0.50	0.50	9926060
Dissolved Arsenic (As)	ug/L	10	-	<1.0	9926060	<1.0	1.0	9926060
Dissolved Barium (Ba)	ug/L	1000	-	140	9926060	43	2.0	9926060

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)
N/A = Not Applicable

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RCAP - COMPREHENSIVE (WATER)

Bureau Veritas ID				AQRM11		AQRM12		
Sampling Date				2025/05/07 11:45		2025/05/07 12:00		
COC Number				C#1044377-01-01		C#1044377-01-01		
	UNITS	MAC	A/O	DW1	QC Batch	DW2	RDL	QC Batch
Dissolved Beryllium (Be)	ug/L	-	-	<0.40	9926060	<0.40	0.40	9926060
Dissolved Boron (B)	ug/L	5000	-	31	9926060	17	10	9926060
Dissolved Cadmium (Cd)	ug/L	5	-	<0.090	9926060	<0.090	0.090	9926060
Dissolved Calcium (Ca)	ug/L	-	-	130000	9926060	99000	200	9926060
Dissolved Chromium (Cr)	ug/L	50	-	<5.0	9926060	<5.0	5.0	9926060
Dissolved Cobalt (Co)	ug/L	-	-	<0.50	9926060	<0.50	0.50	9926060
Dissolved Copper (Cu)	ug/L	-	1000	2.4	9926060	1.0	0.90	9926060
Dissolved Iron (Fe)	ug/L	-	300	<100	9926060	<100	100	9926060
Dissolved Lead (Pb)	ug/L	10	-	<0.50	9926060	<0.50	0.50	9926060
Dissolved Magnesium (Mg)	ug/L	-	-	31000	9926060	8100	50	9926060
Dissolved Manganese (Mn)	ug/L	-	50	12	9926060	2.6	2.0	9926060
Dissolved Molybdenum (Mo)	ug/L	-	-	0.66	9926060	<0.50	0.50	9926060
Dissolved Nickel (Ni)	ug/L	-	-	1.1	9926060	<1.0	1.0	9926060
Dissolved Phosphorus (P)	ug/L	-	-	<100	9926060	<100	100	9926060
Dissolved Potassium (K)	ug/L	-	-	2300	9926060	4700	200	9926060
Dissolved Selenium (Se)	ug/L	50	-	<2.0	9926060	<2.0	2.0	9926060
Dissolved Silicon (Si)	ug/L	-	-	8200	9926060	3500	50	9926060
Dissolved Silver (Ag)	ug/L	-	-	<0.090	9926060	<0.090	0.090	9926060
Dissolved Sodium (Na)	ug/L	-	200000	56000	9926060	6500	100	9926060
Dissolved Strontium (Sr)	ug/L	-	-	560	9926060	240	1.0	9926060
Dissolved Thallium (Tl)	ug/L	-	-	<0.050	9926060	<0.050	0.050	9926060
Dissolved Titanium (Ti)	ug/L	-	-	<5.0	9926060	<5.0	5.0	9926060
Dissolved Uranium (U)	ug/L	20	-	1.7	9926060	0.21	0.10	9926060
Dissolved Vanadium (V)	ug/L	-	-	<0.50	9926060	<0.50	0.50	9926060
Dissolved Zinc (Zn)	ug/L	-	5000	<5.0	9926060	<5.0	5.0	9926060

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
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Bureau Veritas Job #: C552248
Report Date: 2025/06/01

WSP Canada Inc.
Client Project #: CA0052306.5688
Sampler Initials: CI

RCAP - COMPREHENSIVE (WATER)

Bureau Veritas ID				AQRM13			AQRM13		
Sampling Date				2025/05/07 08:45			2025/05/07 08:45		
COC Number				C#1044377-01-01			C#1044377-01-01		
	UNITS	MAC	A/O	DW3	RDL	QC Batch	DW3 Lab-Dup	RDL	QC Batch
Calculated Parameters									
Anion Sum	me/L	-	-	7.95	N/A	9925824			
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	-	-	240	1.0	9925806			
Calculated TDS	mg/L	-	500	440	1.0	9925794			
Carb. Alkalinity (calc. as CaCO3)	mg/L	-	-	2.6	1.0	9925806			
Cation Sum	me/L	-	-	8.30	N/A	9925824			
Hardness (CaCO3)	mg/L	-	80:100	**180**	1.0	9925624			
Ion Balance (% Difference)	%	-	-	2.15	N/A	9925823			
Langelier Index (@ 20C)	N/A	-	-	0.471		9925816			
Langelier Index (@ 4C)	N/A	-	-	0.222		9925817			
Saturation pH (@ 20C)	N/A	-	-	7.59		9925816			
Saturation pH (@ 4C)	N/A	-	-	7.84		9925817			
Inorganics									
Total Ammonia-N	mg/L	-	-	0.38	0.050	9926908			
Conductivity	umho/cm	-	-	850	2.0	9926143			
Dissolved Organic Carbon	mg/L	-	5	0.54	0.40	9926210	0.57	0.40	9926210
Orthophosphate (P)	mg/L	-	-	<0.010	0.010	9926312			
pH	pH	-	6.5:8.5	8.06		9926142			
Dissolved Sulphate (SO4)	mg/L	-	500	3.3	1.0	9926311			
Alkalinity (Total as CaCO3)	mg/L	-	30:500	240	1.0	9926141			
Dissolved Chloride (Cl-)	mg/L	-	250	110	1.0	9926309			
Nitrite (N)	mg/L	1	-	<0.010	0.010	9926147			
Nitrate (N)	mg/L	10	-	<0.10	0.10	9926147			
Nitrate + Nitrite (N)	mg/L	10	-	<0.10	0.10	9926147			
Metals									
Dissolved Aluminum (Al)	ug/L	-	100	<4.9	4.9	9926060			
Dissolved Antimony (Sb)	ug/L	6	-	<0.50	0.50	9926060			
Dissolved Arsenic (As)	ug/L	10	-	<1.0	1.0	9926060			

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)
N/A = Not Applicable

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RCAP - COMPREHENSIVE (WATER)

Bureau Veritas ID				AQRM13			AQRM13		
Sampling Date				2025/05/07 08:45			2025/05/07 08:45		
COC Number				C#1044377-01-01			C#1044377-01-01		
	UNITS	MAC	A/O	DW3	RDL	QC Batch	DW3 Lab-Dup	RDL	QC Batch
Dissolved Barium (Ba)	ug/L	1000	-	200	2.0	9926060			
Dissolved Beryllium (Be)	ug/L	-	-	<0.40	0.40	9926060			
Dissolved Boron (B)	ug/L	5000	-	790	10	9926060			
Dissolved Cadmium (Cd)	ug/L	5	-	<0.090	0.090	9926060			
Dissolved Calcium (Ca)	ug/L	-	-	31000	200	9926060			
Dissolved Chromium (Cr)	ug/L	50	-	<5.0	5.0	9926060			
Dissolved Cobalt (Co)	ug/L	-	-	<0.50	0.50	9926060			
Dissolved Copper (Cu)	ug/L	-	1000	2.8	0.90	9926060			
Dissolved Iron (Fe)	ug/L	-	300	<100	100	9926060			
Dissolved Lead (Pb)	ug/L	10	-	<0.50	0.50	9926060			
Dissolved Magnesium (Mg)	ug/L	-	-	25000	50	9926060			
Dissolved Manganese (Mn)	ug/L	-	50	6.0	2.0	9926060			
Dissolved Molybdenum (Mo)	ug/L	-	-	<0.50	0.50	9926060			
Dissolved Nickel (Ni)	ug/L	-	-	<1.0	1.0	9926060			
Dissolved Phosphorus (P)	ug/L	-	-	<100	100	9926060			
Dissolved Potassium (K)	ug/L	-	-	7300	200	9926060			
Dissolved Selenium (Se)	ug/L	50	-	<2.0	2.0	9926060			
Dissolved Silicon (Si)	ug/L	-	-	5900	50	9926060			
Dissolved Silver (Ag)	ug/L	-	-	<0.090	0.090	9926060			
Dissolved Sodium (Na)	ug/L	-	200000	100000	100	9926060			
Dissolved Strontium (Sr)	ug/L	-	-	2300	1.0	9926060			
Dissolved Thallium (Tl)	ug/L	-	-	<0.050	0.050	9926060			
Dissolved Titanium (Ti)	ug/L	-	-	<5.0	5.0	9926060			
Dissolved Uranium (U)	ug/L	20	-	<0.10	0.10	9926060			
Dissolved Vanadium (V)	ug/L	-	-	<0.50	0.50	9926060			
Dissolved Zinc (Zn)	ug/L	-	5000	51	5.0	9926060			

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)

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RCAP - COMPREHENSIVE (WATER)

Bureau Veritas ID				AQRM14			AQRM15		
Sampling Date				2025/05/07 14:00			2025/05/07		
COC Number				C#1044377-01-01			C#1044377-01-01		
	UNITS	MAC	A/O	DW9	RDL	QC Batch	DUP1	RDL	QC Batch
Calculated Parameters									
Anion Sum	me/L	-	-	15.5	N/A	9925824	7.92	N/A	9925824
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	-	-	240	1.0	9925806	240	1.0	9925806
Calculated TDS	mg/L	-	500	**890**	1.0	9925794	430	1.0	9925794
Carb. Alkalinity (calc. as CaCO3)	mg/L	-	-	1.5	1.0	9925806	2.4	1.0	9925806
Cation Sum	me/L	-	-	17.1	N/A	9925824	8.04	N/A	9925824
Hardness (CaCO3)	mg/L	-	80:100	**390**	1.0	9925624	**180**	1.0	9925624
Ion Balance (% Difference)	%	-	-	4.79	N/A	9925823	0.780	N/A	9925823
Langelier Index (@ 20C)	N/A	-	-	0.660		9925816	0.437		9925816
Langelier Index (@ 4C)	N/A	-	-	0.414		9925817	0.189		9925817
Saturation pH (@ 20C)	N/A	-	-	7.15		9925816	7.59		9925816
Saturation pH (@ 4C)	N/A	-	-	7.40		9925817	7.84		9925817
Inorganics									
Total Ammonia-N	mg/L	-	-	0.71	0.050	9926908	0.40	0.050	9926908
Conductivity	umho/cm	-	-	1700	2.0	9926143	850	2.0	9926143
Dissolved Organic Carbon	mg/L	-	5	1.5	0.40	9926210	0.56	0.40	9926210
Orthophosphate (P)	mg/L	-	-	<0.010	0.010	9926312	<0.010	0.010	9926312
pH	pH	-	6.5:8.5	7.81		9926142	8.02		9926142
Dissolved Sulphate (SO4)	mg/L	-	500	20	1.0	9926311	3.6	1.0	9926311
Alkalinity (Total as CaCO3)	mg/L	-	30:500	240	1.0	9926141	240	1.0	9926141
Dissolved Chloride (Cl-)	mg/L	-	250	**360**	5.0	9926309	110	1.0	9926309
Nitrite (N)	mg/L	1	-	<0.010	0.010	9926147	<0.010	0.010	9926147
Nitrate (N)	mg/L	10	-	<0.10	0.10	9926147	<0.10	0.10	9926147
Nitrate + Nitrite (N)	mg/L	10	-	<0.10	0.10	9926147	<0.10	0.10	9926147
Metals									
Dissolved Aluminum (Al)	ug/L	-	100	4.9	4.9	9926060	<4.9	4.9	9926064
Dissolved Antimony (Sb)	ug/L	6	-	<0.50	0.50	9926060	<0.50	0.50	9926064
Dissolved Arsenic (As)	ug/L	10	-	<1.0	1.0	9926060	<1.0	1.0	9926064
Dissolved Barium (Ba)	ug/L	1000	-	10	2.0	9926060	200	2.0	9926064

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)
N/A = Not Applicable

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RCAP - COMPREHENSIVE (WATER)

Bureau Veritas ID				AQRM14			AQRM15		
Sampling Date				2025/05/07 14:00			2025/05/07		
COC Number				C#1044377-01-01			C#1044377-01-01		
	UNITS	MAC	A/O	DW9	RDL	QC Batch	DUP1	RDL	QC Batch
Dissolved Beryllium (Be)	ug/L	-	-	<0.40	0.40	9926060	<0.40	0.40	9926064
Dissolved Boron (B)	ug/L	5000	-	430	10	9926060	770	10	9926064
Dissolved Cadmium (Cd)	ug/L	5	-	<0.090	0.090	9926060	<0.090	0.090	9926064
Dissolved Calcium (Ca)	ug/L	-	-	98000	200	9926060	31000	200	9926064
Dissolved Chromium (Cr)	ug/L	50	-	<5.0	5.0	9926060	<5.0	5.0	9926064
Dissolved Cobalt (Co)	ug/L	-	-	<0.50	0.50	9926060	<0.50	0.50	9926064
Dissolved Copper (Cu)	ug/L	-	1000	<0.90	0.90	9926060	3.1	0.90	9926064
Dissolved Iron (Fe)	ug/L	-	300	<100	100	9926060	<100	100	9926064
Dissolved Lead (Pb)	ug/L	10	-	<0.50	0.50	9926060	<0.50	0.50	9926064
Dissolved Magnesium (Mg)	ug/L	-	-	35000	50	9926060	25000	50	9926064
Dissolved Manganese (Mn)	ug/L	-	50	7.6	2.0	9926060	5.9	2.0	9926064
Dissolved Molybdenum (Mo)	ug/L	-	-	<0.50	0.50	9926060	<0.50	0.50	9926064
Dissolved Nickel (Ni)	ug/L	-	-	<1.0	1.0	9926060	<1.0	1.0	9926064
Dissolved Phosphorus (P)	ug/L	-	-	<100	100	9926060	<100	100	9926064
Dissolved Potassium (K)	ug/L	-	-	8000	200	9926060	7100	200	9926064
Dissolved Selenium (Se)	ug/L	50	-	<2.0	2.0	9926060	<2.0	2.0	9926064
Dissolved Silicon (Si)	ug/L	-	-	3600	50	9926060	5700	50	9926064
Dissolved Silver (Ag)	ug/L	-	-	<0.090	0.090	9926060	<0.090	0.090	9926064
Dissolved Sodium (Na)	ug/L	-	200000	**210000**	100	9926060	98000	100	9926064
Dissolved Strontium (Sr)	ug/L	-	-	4500	1.0	9926060	2400	1.0	9926064
Dissolved Thallium (Tl)	ug/L	-	-	<0.050	0.050	9926060	<0.050	0.050	9926064
Dissolved Titanium (Ti)	ug/L	-	-	<5.0	5.0	9926060	<5.0	5.0	9926064
Dissolved Uranium (U)	ug/L	20	-	<0.10	0.10	9926060	<0.10	0.10	9926064
Dissolved Vanadium (V)	ug/L	-	-	<0.50	0.50	9926060	<0.50	0.50	9926064
Dissolved Zinc (Zn)	ug/L	-	5000	<5.0	5.0	9926060	52	5.0	9926064

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)

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Bureau Veritas Job #: C552248
Report Date: 2025/06/01

WSP Canada Inc.
Client Project #: CA0052306.5688
Sampler Initials: CI

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID				AQRM11	AQRM12	AQRM13	AQRM14		
Sampling Date				2025/05/07 11:45	2025/05/07 12:00	2025/05/07 08:45	2025/05/07 14:00		
COC Number				C#1044377-01-01	C#1044377-01-01	C#1044377-01-01	C#1044377-01-01		
	UNITS	MAC	A/O	DW1	DW2	DW3	DW9	RDL	QC Batch
Field Measurements									
Field Temperature	Celsius	-	-	16.7	12.8	15.0	13.5	N/A	ONSITE
Field Measured pH	pH	-	6.5:8.5	7.3	7.47	7.81	7.57		ONSITE
Inorganics									
Colour	TCU	-	5	<2	3	<2	2	2	9934407
Fluoride (F-)	mg/L	1.5	-	<0.10	<0.10	0.69	0.52	0.10	9926144
Tannins & Lignins	mg/L	-	-	<0.2	<0.2	<0.2	<0.2	0.2	9926594
Turbidity	NTU	-	5	1.3	1.0	<0.1	1.6	0.1	9926083

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)
N/A = Not Applicable

Bureau Veritas ID				AQRM15		
Sampling Date				2025/05/07		
COC Number				C#1044377-01-01		
	UNITS	MAC	A/O	DUP1	RDL	QC Batch
Inorganics						
Colour	TCU	-	5	<2	2	9934407
Fluoride (F-)	mg/L	1.5	-	0.70	0.10	9926144
Tannins & Lignins	mg/L	-	-	<0.2	0.2	9926594
Turbidity	NTU	-	5	<0.1	0.1	9926083

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)

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TEST SUMMARY

Bureau Veritas ID: AQRM11
Sample ID: DW1
Matrix: Water

Collected: 2025/05/07
Shipped:
Received: 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9926141	N/A	2025/05/10	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9925806	N/A	2025/05/10	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9926309	N/A	2025/05/12	Alina Dobreanu
Colour	SPEC	9934407	N/A	2025/05/22	Viorica Rotaru
Conductivity	AT	9926143	N/A	2025/05/10	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9926210	N/A	2025/05/10	Gyulshen Idriz
Fluoride	ISE	9926144	2025/05/09	2025/05/10	Nachiketa Gohil
Hardness (calculated as CaCO3)		9925624	N/A	2025/05/14	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	9926060	N/A	2025/05/13	Thuy Linh Nguyen
Ion Balance (% Difference)	CALC	9925823	N/A	2025/05/14	Automated Statchk
Anion and Cation Sum	CALC	9925824	N/A	2025/05/14	Automated Statchk
Total Ammonia-N	SKAL/NH4	9926908	N/A	2025/05/12	Muskan
Nitrate & Nitrite as Nitrogen in Water	LACH	9926147	N/A	2025/05/09	Helen He
pH	AT	9926142	2025/05/09	2025/05/10	Nachiketa Gohil
Field Measured pH	PH	ONSITE	N/A	2025/05/12	Zunaira Allem
Orthophosphate	SKAL	9926312	N/A	2025/05/12	Alina Dobreanu
Sat. pH and Langelier Index (@ 20C)	CALC	9925816	N/A	2025/05/14	Automated Statchk
Sat. pH and Langelier Index (@ 4C)	CALC	9925817	N/A	2025/05/14	Automated Statchk
Sulphate by Automated Turbidimetry	SKAL	9926311	N/A	2025/05/12	Alina Dobreanu
Tannins & Lignins	SPEC	9926594	N/A	2025/05/12	Viorica Rotaru
Total Dissolved Solids (TDS calc)	CALC	9925794	N/A	2025/05/14	Automated Statchk
Field Measured pH	PH	ONSITE	N/A	2025/05/12	Zunaira Allem
Turbidity	AT	9926083	N/A	2025/05/09	Kien Tran

Bureau Veritas ID: AQRM12
Sample ID: DW2
Matrix: Water

Collected: 2025/05/07
Shipped:
Received: 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9926141	N/A	2025/05/10	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9925806	N/A	2025/05/10	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9926317	N/A	2025/05/11	Alina Dobreanu
Colour	SPEC	9934407	N/A	2025/05/22	Viorica Rotaru
Conductivity	AT	9926143	N/A	2025/05/10	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9926210	N/A	2025/05/10	Gyulshen Idriz
Fluoride	ISE	9926144	2025/05/09	2025/05/10	Nachiketa Gohil
Hardness (calculated as CaCO3)		9925624	N/A	2025/05/14	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	9926060	N/A	2025/05/13	Thuy Linh Nguyen
Ion Balance (% Difference)	CALC	9925823	N/A	2025/05/14	Automated Statchk
Anion and Cation Sum	CALC	9925824	N/A	2025/05/14	Automated Statchk
Total Ammonia-N	SKAL/NH4	9926908	N/A	2025/05/12	Muskan
Nitrate & Nitrite as Nitrogen in Water	LACH	9926147	N/A	2025/05/09	Helen He
pH	AT	9926142	2025/05/09	2025/05/10	Nachiketa Gohil
Field Measured pH	PH	ONSITE	N/A	2025/05/12	Zunaira Allem
Orthophosphate	SKAL	9926316	N/A	2025/05/11	Alina Dobreanu

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TEST SUMMARY

Bureau Veritas ID: AQRM12 **Collected:** 2025/05/07
Sample ID: DW2 **Shipped:**
Matrix: Water **Received:** 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Sat. pH and Langelier Index (@ 20C)	CALC	9925816	N/A	2025/05/14	Automated Statchk
Sat. pH and Langelier Index (@ 4C)	CALC	9925817	N/A	2025/05/14	Automated Statchk
Sulphate by Automated Turbidimetry	SKAL	9926318	N/A	2025/05/11	Alina Dobreanu
Tannins & Lignins	SPEC	9926594	N/A	2025/05/12	Viorica Rotaru
Total Dissolved Solids (TDS calc)	CALC	9925794	N/A	2025/05/14	Automated Statchk
Field Measured pH	PH	ONSITE	N/A	2025/05/12	Zunaira Allem
Turbidity	AT	9926083	N/A	2025/05/09	Kien Tran

Bureau Veritas ID: AQRM13 **Collected:** 2025/05/07
Sample ID: DW3 **Shipped:**
Matrix: Water **Received:** 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9926141	N/A	2025/05/10	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9925806	N/A	2025/05/10	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9926309	N/A	2025/05/12	Alina Dobreanu
Colour	SPEC	9934407	N/A	2025/05/22	Viorica Rotaru
Conductivity	AT	9926143	N/A	2025/05/10	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9926210	N/A	2025/05/09	Gyulshen Idriz
Fluoride	ISE	9926144	2025/05/09	2025/05/10	Nachiketa Gohil
Hardness (calculated as CaCO3)		9925624	N/A	2025/05/14	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	9926060	N/A	2025/05/13	Thuy Linh Nguyen
Ion Balance (% Difference)	CALC	9925823	N/A	2025/05/14	Automated Statchk
Anion and Cation Sum	CALC	9925824	N/A	2025/05/14	Automated Statchk
Total Ammonia-N	SKAL/NH4	9926908	N/A	2025/05/12	Muskan
Nitrate & Nitrite as Nitrogen in Water	LACH	9926147	N/A	2025/05/09	Helen He
pH	AT	9926142	2025/05/09	2025/05/10	Nachiketa Gohil
Field Measured pH	PH	ONSITE	N/A	2025/05/12	Zunaira Allem
Orthophosphate	SKAL	9926312	N/A	2025/05/12	Alina Dobreanu
Sat. pH and Langelier Index (@ 20C)	CALC	9925816	N/A	2025/05/14	Automated Statchk
Sat. pH and Langelier Index (@ 4C)	CALC	9925817	N/A	2025/05/14	Automated Statchk
Sulphate by Automated Turbidimetry	SKAL	9926311	N/A	2025/05/12	Alina Dobreanu
Tannins & Lignins	SPEC	9926594	N/A	2025/05/12	Viorica Rotaru
Total Dissolved Solids (TDS calc)	CALC	9925794	N/A	2025/05/14	Automated Statchk
Field Measured pH	PH	ONSITE	N/A	2025/05/12	Zunaira Allem
Turbidity	AT	9926083	N/A	2025/05/09	Kien Tran

Bureau Veritas ID: AQRM13 Dup **Collected:** 2025/05/07
Sample ID: DW3 **Shipped:**
Matrix: Water **Received:** 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9926210	N/A	2025/05/10	Gyulshen Idriz

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TEST SUMMARY

Bureau Veritas ID: AQRM14
Sample ID: DW9
Matrix: Water

Collected: 2025/05/07
Shipped:
Received: 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9926141	N/A	2025/05/10	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9925806	N/A	2025/05/10	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9926309	N/A	2025/05/12	Alina Dobreanu
Colour	SPEC	9934407	N/A	2025/05/22	Viorica Rotaru
Conductivity	AT	9926143	N/A	2025/05/10	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9926210	N/A	2025/05/10	Gyulshen Idriz
Fluoride	ISE	9926144	2025/05/09	2025/05/10	Nachiketa Gohil
Hardness (calculated as CaCO3)		9925624	N/A	2025/05/14	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	9926060	N/A	2025/05/13	Thuy Linh Nguyen
Ion Balance (% Difference)	CALC	9925823	N/A	2025/05/14	Automated Statchk
Anion and Cation Sum	CALC	9925824	N/A	2025/05/14	Automated Statchk
Total Ammonia-N	SKAL/NH4	9926908	N/A	2025/05/12	Muskan
Nitrate & Nitrite as Nitrogen in Water	LACH	9926147	N/A	2025/05/09	Helen He
pH	AT	9926142	2025/05/09	2025/05/10	Nachiketa Gohil
Field Measured pH	PH	ONSITE	N/A	2025/05/12	Zunaira Allem
Orthophosphate	SKAL	9926312	N/A	2025/05/12	Alina Dobreanu
Sat. pH and Langelier Index (@ 20C)	CALC	9925816	N/A	2025/05/14	Automated Statchk
Sat. pH and Langelier Index (@ 4C)	CALC	9925817	N/A	2025/05/14	Automated Statchk
Sulphate by Automated Turbidimetry	SKAL	9926311	N/A	2025/05/12	Alina Dobreanu
Tannins & Lignins	SPEC	9926594	N/A	2025/05/12	Viorica Rotaru
Total Dissolved Solids (TDS calc)	CALC	9925794	N/A	2025/05/14	Automated Statchk
Field Measured pH	PH	ONSITE	N/A	2025/05/12	Zunaira Allem
Turbidity	AT	9926083	N/A	2025/05/09	Kien Tran

Bureau Veritas ID: AQRM15
Sample ID: DUP1
Matrix: Water

Collected: 2025/05/07
Shipped:
Received: 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9926141	N/A	2025/05/10	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9925806	N/A	2025/05/10	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9926309	N/A	2025/05/12	Alina Dobreanu
Colour	SPEC	9934407	N/A	2025/05/22	Viorica Rotaru
Conductivity	AT	9926143	N/A	2025/05/10	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9926210	N/A	2025/05/10	Gyulshen Idriz
Fluoride	ISE	9926144	2025/05/09	2025/05/10	Nachiketa Gohil
Hardness (calculated as CaCO3)		9925624	N/A	2025/05/12	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	9926064	N/A	2025/05/09	Thuy Linh Nguyen
Ion Balance (% Difference)	CALC	9925823	N/A	2025/05/12	Automated Statchk
Anion and Cation Sum	CALC	9925824	N/A	2025/05/12	Automated Statchk
Total Ammonia-N	SKAL/NH4	9926908	N/A	2025/05/12	Muskan
Nitrate & Nitrite as Nitrogen in Water	LACH	9926147	N/A	2025/05/09	Helen He
pH	AT	9926142	2025/05/09	2025/05/10	Nachiketa Gohil
Orthophosphate	SKAL	9926312	N/A	2025/05/12	Alina Dobreanu
Sat. pH and Langelier Index (@ 20C)	CALC	9925816	N/A	2025/05/12	Automated Statchk

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Bureau Veritas Job #: C552248
Report Date: 2025/06/01

WSP Canada Inc.
Client Project #: CA0052306.5688
Sampler Initials: CI

TEST SUMMARY

Bureau Veritas ID: AQRM15
Sample ID: DUP1
Matrix: Water

Collected: 2025/05/07
Shipped:
Received: 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Sat. pH and Langelier Index (@ 4C)	CALC	9925817	N/A	2025/05/12	Automated Statchk
Sulphate by Automated Turbidimetry	SKAL	9926311	N/A	2025/05/12	Alina Dobreanu
Tannins & Lignins	SPEC	9926594	N/A	2025/05/12	Viorica Rotaru
Total Dissolved Solids (TDS calc)	CALC	9925794	N/A	2025/05/12	Automated Statchk
Turbidity	AT	9926083	N/A	2025/05/09	Kien Tran

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GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	0.7°C

Revised report (2025/06/01): True Colour results are revised. Samples were reanalysed past sample holding time due to sample processing error. This may increase the variability associated with these results.

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9926060	TLG	Matrix Spike	Dissolved Aluminum (Al)	2025/05/13		117	%	80 - 120
			Dissolved Antimony (Sb)	2025/05/13		104	%	80 - 120
			Dissolved Arsenic (As)	2025/05/13		103	%	80 - 120
			Dissolved Barium (Ba)	2025/05/13		102	%	80 - 120
			Dissolved Beryllium (Be)	2025/05/13		89	%	80 - 120
			Dissolved Boron (B)	2025/05/13		NC	%	80 - 120
			Dissolved Cadmium (Cd)	2025/05/13		98	%	80 - 120
			Dissolved Calcium (Ca)	2025/05/13		NC	%	80 - 120
			Dissolved Chromium (Cr)	2025/05/13		101	%	80 - 120
			Dissolved Cobalt (Co)	2025/05/13		99	%	80 - 120
			Dissolved Copper (Cu)	2025/05/13		98	%	80 - 120
			Dissolved Iron (Fe)	2025/05/13		103	%	80 - 120
			Dissolved Lead (Pb)	2025/05/13		89	%	80 - 120
			Dissolved Magnesium (Mg)	2025/05/13		NC	%	80 - 120
			Dissolved Manganese (Mn)	2025/05/13		105	%	80 - 120
			Dissolved Molybdenum (Mo)	2025/05/13		105	%	80 - 120
			Dissolved Nickel (Ni)	2025/05/13		94	%	80 - 120
			Dissolved Phosphorus (P)	2025/05/13		123 (1)	%	80 - 120
			Dissolved Potassium (K)	2025/05/13		114	%	80 - 120
			Dissolved Selenium (Se)	2025/05/13		88	%	80 - 120
			Dissolved Silicon (Si)	2025/05/13		119	%	80 - 120
			Dissolved Silver (Ag)	2025/05/13		75 (2)	%	80 - 120
			Dissolved Sodium (Na)	2025/05/13		NC	%	80 - 120
			Dissolved Strontium (Sr)	2025/05/13		NC	%	80 - 120
			Dissolved Thallium (Tl)	2025/05/13		94	%	80 - 120
			Dissolved Titanium (Ti)	2025/05/13		113	%	80 - 120
			Dissolved Uranium (U)	2025/05/13		94	%	80 - 120
			Dissolved Vanadium (V)	2025/05/13		108	%	80 - 120
			Dissolved Zinc (Zn)	2025/05/13		93	%	80 - 120
9926060	TLG	Spiked Blank	Dissolved Aluminum (Al)	2025/05/13		99	%	80 - 120
			Dissolved Antimony (Sb)	2025/05/13		103	%	80 - 120
			Dissolved Arsenic (As)	2025/05/13		101	%	80 - 120
			Dissolved Barium (Ba)	2025/05/13		100	%	80 - 120
			Dissolved Beryllium (Be)	2025/05/13		92	%	80 - 120
			Dissolved Boron (B)	2025/05/13		89	%	80 - 120
			Dissolved Cadmium (Cd)	2025/05/13		99	%	80 - 120
			Dissolved Calcium (Ca)	2025/05/13		97	%	80 - 120
			Dissolved Chromium (Cr)	2025/05/13		96	%	80 - 120
			Dissolved Cobalt (Co)	2025/05/13		98	%	80 - 120
			Dissolved Copper (Cu)	2025/05/13		92	%	80 - 120
			Dissolved Iron (Fe)	2025/05/13		100	%	80 - 120
			Dissolved Lead (Pb)	2025/05/13		96	%	80 - 120
			Dissolved Magnesium (Mg)	2025/05/13		99	%	80 - 120
			Dissolved Manganese (Mn)	2025/05/13		100	%	80 - 120
			Dissolved Molybdenum (Mo)	2025/05/13		97	%	80 - 120
			Dissolved Nickel (Ni)	2025/05/13		96	%	80 - 120
			Dissolved Phosphorus (P)	2025/05/13		102	%	80 - 120
			Dissolved Potassium (K)	2025/05/13		100	%	80 - 120
			Dissolved Selenium (Se)	2025/05/13		100	%	80 - 120
			Dissolved Silicon (Si)	2025/05/13		98	%	80 - 120
			Dissolved Silver (Ag)	2025/05/13		91	%	80 - 120
			Dissolved Sodium (Na)	2025/05/13		97	%	80 - 120

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Dissolved Strontium (Sr)	2025/05/13		101	%	80 - 120
			Dissolved Thallium (Tl)	2025/05/13		101	%	80 - 120
			Dissolved Titanium (Ti)	2025/05/13		96	%	80 - 120
			Dissolved Uranium (U)	2025/05/13		100	%	80 - 120
			Dissolved Vanadium (V)	2025/05/13		98	%	80 - 120
			Dissolved Zinc (Zn)	2025/05/13		98	%	80 - 120
9926060	TLG	Method Blank	Dissolved Aluminum (Al)	2025/05/13	<4.9		ug/L	
			Dissolved Antimony (Sb)	2025/05/13	<0.50		ug/L	
			Dissolved Arsenic (As)	2025/05/13	<1.0		ug/L	
			Dissolved Barium (Ba)	2025/05/13	<2.0		ug/L	
			Dissolved Beryllium (Be)	2025/05/13	<0.40		ug/L	
			Dissolved Boron (B)	2025/05/13	<10		ug/L	
			Dissolved Cadmium (Cd)	2025/05/13	<0.090		ug/L	
			Dissolved Calcium (Ca)	2025/05/13	<200		ug/L	
			Dissolved Chromium (Cr)	2025/05/13	<5.0		ug/L	
			Dissolved Cobalt (Co)	2025/05/13	<0.50		ug/L	
			Dissolved Copper (Cu)	2025/05/13	<0.90		ug/L	
			Dissolved Iron (Fe)	2025/05/13	<100		ug/L	
			Dissolved Lead (Pb)	2025/05/13	<0.50		ug/L	
			Dissolved Magnesium (Mg)	2025/05/13	<50		ug/L	
			Dissolved Manganese (Mn)	2025/05/13	<2.0		ug/L	
			Dissolved Molybdenum (Mo)	2025/05/13	<0.50		ug/L	
			Dissolved Nickel (Ni)	2025/05/13	<1.0		ug/L	
			Dissolved Phosphorus (P)	2025/05/13	<100		ug/L	
			Dissolved Potassium (K)	2025/05/13	<200		ug/L	
			Dissolved Selenium (Se)	2025/05/13	<2.0		ug/L	
			Dissolved Silicon (Si)	2025/05/13	<50		ug/L	
			Dissolved Silver (Ag)	2025/05/13	<0.090		ug/L	
			Dissolved Sodium (Na)	2025/05/13	<100		ug/L	
			Dissolved Strontium (Sr)	2025/05/13	<1.0		ug/L	
			Dissolved Thallium (Tl)	2025/05/13	<0.050		ug/L	
			Dissolved Titanium (Ti)	2025/05/13	<5.0		ug/L	
			Dissolved Uranium (U)	2025/05/13	<0.10		ug/L	
			Dissolved Vanadium (V)	2025/05/13	<0.50		ug/L	
			Dissolved Zinc (Zn)	2025/05/13	<5.0		ug/L	
9926060	TLG	RPD	Dissolved Calcium (Ca)	2025/05/13	5.6		%	20
			Dissolved Magnesium (Mg)	2025/05/13	4.5		%	20
			Dissolved Phosphorus (P)	2025/05/13	NC		%	20
			Dissolved Potassium (K)	2025/05/13	1.1		%	20
			Dissolved Sodium (Na)	2025/05/13	0.57		%	20
9926064	TLG	Matrix Spike	Dissolved Aluminum (Al)	2025/05/09		103	%	80 - 120
			Dissolved Antimony (Sb)	2025/05/09		105	%	80 - 120
			Dissolved Arsenic (As)	2025/05/09		100	%	80 - 120
			Dissolved Barium (Ba)	2025/05/09		99	%	80 - 120
			Dissolved Beryllium (Be)	2025/05/09		96	%	80 - 120
			Dissolved Boron (B)	2025/05/09		98	%	80 - 120
			Dissolved Cadmium (Cd)	2025/05/09		101	%	80 - 120
			Dissolved Calcium (Ca)	2025/05/09		NC	%	80 - 120
			Dissolved Chromium (Cr)	2025/05/09		96	%	80 - 120
			Dissolved Cobalt (Co)	2025/05/09		98	%	80 - 120
			Dissolved Copper (Cu)	2025/05/09		98	%	80 - 120
			Dissolved Iron (Fe)	2025/05/09		100	%	80 - 120

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Dissolved Lead (Pb)	2025/05/09		91	%	80 - 120
			Dissolved Magnesium (Mg)	2025/05/09		NC	%	80 - 120
			Dissolved Manganese (Mn)	2025/05/09		NC	%	80 - 120
			Dissolved Molybdenum (Mo)	2025/05/09		99	%	80 - 120
			Dissolved Nickel (Ni)	2025/05/09		93	%	80 - 120
			Dissolved Phosphorus (P)	2025/05/09		110	%	80 - 120
			Dissolved Potassium (K)	2025/05/09		103	%	80 - 120
			Dissolved Selenium (Se)	2025/05/09		94	%	80 - 120
			Dissolved Silicon (Si)	2025/05/09		101	%	80 - 120
			Dissolved Silver (Ag)	2025/05/09		73 (1)	%	80 - 120
			Dissolved Sodium (Na)	2025/05/09		NC	%	80 - 120
			Dissolved Strontium (Sr)	2025/05/09		NC	%	80 - 120
			Dissolved Thallium (Tl)	2025/05/09		94	%	80 - 120
			Dissolved Titanium (Ti)	2025/05/09		106	%	80 - 120
			Dissolved Uranium (U)	2025/05/09		97	%	80 - 120
			Dissolved Vanadium (V)	2025/05/09		96	%	80 - 120
			Dissolved Zinc (Zn)	2025/05/09		96	%	80 - 120
9926064	TLG	Spiked Blank	Dissolved Aluminum (Al)	2025/05/09		104	%	80 - 120
			Dissolved Antimony (Sb)	2025/05/09		102	%	80 - 120
			Dissolved Arsenic (As)	2025/05/09		100	%	80 - 120
			Dissolved Barium (Ba)	2025/05/09		101	%	80 - 120
			Dissolved Beryllium (Be)	2025/05/09		89	%	80 - 120
			Dissolved Boron (B)	2025/05/09		91	%	80 - 120
			Dissolved Cadmium (Cd)	2025/05/09		101	%	80 - 120
			Dissolved Calcium (Ca)	2025/05/09		100	%	80 - 120
			Dissolved Chromium (Cr)	2025/05/09		96	%	80 - 120
			Dissolved Cobalt (Co)	2025/05/09		97	%	80 - 120
			Dissolved Copper (Cu)	2025/05/09		100	%	80 - 120
			Dissolved Iron (Fe)	2025/05/09		99	%	80 - 120
			Dissolved Lead (Pb)	2025/05/09		94	%	80 - 120
			Dissolved Magnesium (Mg)	2025/05/09		99	%	80 - 120
			Dissolved Manganese (Mn)	2025/05/09		100	%	80 - 120
			Dissolved Molybdenum (Mo)	2025/05/09		97	%	80 - 120
			Dissolved Nickel (Ni)	2025/05/09		95	%	80 - 120
			Dissolved Phosphorus (P)	2025/05/09		110	%	80 - 120
			Dissolved Potassium (K)	2025/05/09		105	%	80 - 120
			Dissolved Selenium (Se)	2025/05/09		97	%	80 - 120
			Dissolved Silicon (Si)	2025/05/09		102	%	80 - 120
			Dissolved Silver (Ag)	2025/05/09		93	%	80 - 120
			Dissolved Sodium (Na)	2025/05/09		100	%	80 - 120
			Dissolved Strontium (Sr)	2025/05/09		101	%	80 - 120
			Dissolved Thallium (Tl)	2025/05/09		100	%	80 - 120
			Dissolved Titanium (Ti)	2025/05/09		103	%	80 - 120
			Dissolved Uranium (U)	2025/05/09		94	%	80 - 120
			Dissolved Vanadium (V)	2025/05/09		95	%	80 - 120
			Dissolved Zinc (Zn)	2025/05/09		97	%	80 - 120
9926064	TLG	Method Blank	Dissolved Aluminum (Al)	2025/05/09	<4.9		ug/L	
			Dissolved Antimony (Sb)	2025/05/09	<0.50		ug/L	
			Dissolved Arsenic (As)	2025/05/09	<1.0		ug/L	
			Dissolved Barium (Ba)	2025/05/09	<2.0		ug/L	
			Dissolved Beryllium (Be)	2025/05/09	<0.40		ug/L	
			Dissolved Boron (B)	2025/05/09	<10		ug/L	

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Dissolved Cadmium (Cd)	2025/05/09	<0.090		ug/L	
			Dissolved Calcium (Ca)	2025/05/09	<200		ug/L	
			Dissolved Chromium (Cr)	2025/05/09	<5.0		ug/L	
			Dissolved Cobalt (Co)	2025/05/09	<0.50		ug/L	
			Dissolved Copper (Cu)	2025/05/09	<0.90		ug/L	
			Dissolved Iron (Fe)	2025/05/09	<100		ug/L	
			Dissolved Lead (Pb)	2025/05/09	<0.50		ug/L	
			Dissolved Magnesium (Mg)	2025/05/09	<50		ug/L	
			Dissolved Manganese (Mn)	2025/05/09	<2.0		ug/L	
			Dissolved Molybdenum (Mo)	2025/05/09	<0.50		ug/L	
			Dissolved Nickel (Ni)	2025/05/09	<1.0		ug/L	
			Dissolved Phosphorus (P)	2025/05/09	<100		ug/L	
			Dissolved Potassium (K)	2025/05/09	<200		ug/L	
			Dissolved Selenium (Se)	2025/05/09	<2.0		ug/L	
			Dissolved Silicon (Si)	2025/05/09	<50		ug/L	
			Dissolved Silver (Ag)	2025/05/09	<0.090		ug/L	
			Dissolved Sodium (Na)	2025/05/09	<100		ug/L	
			Dissolved Strontium (Sr)	2025/05/09	<1.0		ug/L	
			Dissolved Thallium (Tl)	2025/05/09	<0.050		ug/L	
			Dissolved Titanium (Ti)	2025/05/09	<5.0		ug/L	
			Dissolved Uranium (U)	2025/05/09	<0.10		ug/L	
			Dissolved Vanadium (V)	2025/05/09	<0.50		ug/L	
			Dissolved Zinc (Zn)	2025/05/09	<5.0		ug/L	
9926064	TLG	RPD	Dissolved Antimony (Sb)	2025/05/09	NC		%	20
			Dissolved Arsenic (As)	2025/05/09	NC		%	20
			Dissolved Barium (Ba)	2025/05/09	2.6		%	20
			Dissolved Beryllium (Be)	2025/05/09	NC		%	20
			Dissolved Boron (B)	2025/05/09	3.1		%	20
			Dissolved Cadmium (Cd)	2025/05/09	NC		%	20
			Dissolved Chromium (Cr)	2025/05/09	NC		%	20
			Dissolved Cobalt (Co)	2025/05/09	NC		%	20
			Dissolved Copper (Cu)	2025/05/09	NC		%	20
			Dissolved Lead (Pb)	2025/05/09	NC		%	20
			Dissolved Molybdenum (Mo)	2025/05/09	NC		%	20
			Dissolved Nickel (Ni)	2025/05/09	NC		%	20
			Dissolved Selenium (Se)	2025/05/09	NC		%	20
			Dissolved Silver (Ag)	2025/05/09	NC		%	20
			Dissolved Sodium (Na)	2025/05/09	0.54		%	20
			Dissolved Thallium (Tl)	2025/05/09	NC		%	20
			Dissolved Uranium (U)	2025/05/09	0.89		%	20
			Dissolved Vanadium (V)	2025/05/09	NC		%	20
			Dissolved Zinc (Zn)	2025/05/09	NC		%	20
9926083	KIT	Spiked Blank	Turbidity	2025/05/09		97	%	80 - 120
9926083	KIT	Method Blank	Turbidity	2025/05/09	<0.1		NTU	
9926083	KIT	RPD	Turbidity	2025/05/09	12		%	20
9926141	NGI	Spiked Blank	Alkalinity (Total as CaCO3)	2025/05/10		96	%	85 - 115
9926141	NGI	Method Blank	Alkalinity (Total as CaCO3)	2025/05/10	<1.0		mg/L	
9926141	NGI	RPD	Alkalinity (Total as CaCO3)	2025/05/10	0.44		%	20
9926142	NGI	Spiked Blank	pH	2025/05/10		102	%	98 - 103
9926142	NGI	RPD	pH	2025/05/10	1.5		%	N/A
9926143	NGI	Spiked Blank	Conductivity	2025/05/10		101	%	85 - 115
9926143	NGI	Method Blank	Conductivity	2025/05/10	<2.0		umho/cm	

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9926143	NGI	RPD	Conductivity	2025/05/10	0.37		%	10
9926144	NGI	Matrix Spike	Fluoride (F-)	2025/05/10		101	%	80 - 120
9926144	NGI	Spiked Blank	Fluoride (F-)	2025/05/10		105	%	80 - 120
9926144	NGI	Method Blank	Fluoride (F-)	2025/05/10	<0.10		mg/L	
9926144	NGI	RPD	Fluoride (F-)	2025/05/10	12		%	20
9926147	HH	Matrix Spike	Nitrite (N)	2025/05/09		96	%	80 - 120
			Nitrate (N)	2025/05/09		84	%	80 - 120
9926147	HH	Spiked Blank	Nitrite (N)	2025/05/09		100	%	80 - 120
			Nitrate (N)	2025/05/09		91	%	80 - 120
9926147	HH	Method Blank	Nitrite (N)	2025/05/09	<0.010		mg/L	
			Nitrate (N)	2025/05/09	<0.10		mg/L	
9926147	HH	RPD	Nitrite (N)	2025/05/09	NC		%	20
			Nitrate (N)	2025/05/09	NC		%	20
9926210	GID	Matrix Spike [AQRM13-03]	Dissolved Organic Carbon	2025/05/10		92	%	80 - 120
9926210	GID	Spiked Blank	Dissolved Organic Carbon	2025/05/09		95	%	80 - 120
9926210	GID	Method Blank	Dissolved Organic Carbon	2025/05/09	<0.40		mg/L	
9926210	GID	RPD [AQRM13-03]	Dissolved Organic Carbon	2025/05/10	5.4		%	20
9926309	ADB	Matrix Spike	Dissolved Chloride (Cl-)	2025/05/12		NC	%	80 - 120
9926309	ADB	Spiked Blank	Dissolved Chloride (Cl-)	2025/05/12		102	%	80 - 120
9926309	ADB	Method Blank	Dissolved Chloride (Cl-)	2025/05/12	<1.0		mg/L	
9926309	ADB	RPD	Dissolved Chloride (Cl-)	2025/05/12	1.7		%	20
9926311	ADB	Matrix Spike	Dissolved Sulphate (SO4)	2025/05/12		NC	%	75 - 125
9926311	ADB	Spiked Blank	Dissolved Sulphate (SO4)	2025/05/12		95	%	80 - 120
9926311	ADB	Method Blank	Dissolved Sulphate (SO4)	2025/05/12	<1.0		mg/L	
9926311	ADB	RPD	Dissolved Sulphate (SO4)	2025/05/12	3.0		%	20
9926312	ADB	Matrix Spike	Orthophosphate (P)	2025/05/12		92	%	75 - 125
9926312	ADB	Spiked Blank	Orthophosphate (P)	2025/05/12		95	%	80 - 120
9926312	ADB	Method Blank	Orthophosphate (P)	2025/05/12	<0.010		mg/L	
9926312	ADB	RPD	Orthophosphate (P)	2025/05/12	0.76		%	20
9926316	ADB	Matrix Spike	Orthophosphate (P)	2025/05/11		96	%	75 - 125
9926316	ADB	Spiked Blank	Orthophosphate (P)	2025/05/11		96	%	80 - 120
9926316	ADB	Method Blank	Orthophosphate (P)	2025/05/11	<0.010		mg/L	
9926316	ADB	RPD	Orthophosphate (P)	2025/05/11	NC		%	20
9926317	ADB	Matrix Spike	Dissolved Chloride (Cl-)	2025/05/11		NC	%	80 - 120
9926317	ADB	Spiked Blank	Dissolved Chloride (Cl-)	2025/05/11		97	%	80 - 120
9926317	ADB	Method Blank	Dissolved Chloride (Cl-)	2025/05/11	<1.0		mg/L	
9926317	ADB	RPD	Dissolved Chloride (Cl-)	2025/05/11	2.8		%	20
9926318	ADB	Matrix Spike	Dissolved Sulphate (SO4)	2025/05/11		80	%	75 - 125
9926318	ADB	Spiked Blank	Dissolved Sulphate (SO4)	2025/05/11		96	%	80 - 120
9926318	ADB	Method Blank	Dissolved Sulphate (SO4)	2025/05/11	<1.0		mg/L	
9926318	ADB	RPD	Dissolved Sulphate (SO4)	2025/05/11	0.42		%	20
9926594	VRO	Matrix Spike	Tannins & Lignins	2025/05/12		101	%	80 - 120
9926594	VRO	Spiked Blank	Tannins & Lignins	2025/05/12		101	%	80 - 120
9926594	VRO	Method Blank	Tannins & Lignins	2025/05/12	<0.2		mg/L	
9926594	VRO	RPD	Tannins & Lignins	2025/05/12	0.86		%	20
9926908	MUM	Matrix Spike	Total Ammonia-N	2025/05/12		85	%	75 - 125
9926908	MUM	Spiked Blank	Total Ammonia-N	2025/05/12		104	%	80 - 120
9926908	MUM	Method Blank	Total Ammonia-N	2025/05/12	<0.050		mg/L	
9926908	MUM	RPD	Total Ammonia-N	2025/05/12	NC		%	20
9934407	VRO	Spiked Blank	Colour	2025/05/22		99	%	80 - 120
9934407	VRO	Method Blank	Colour	2025/05/22	<2		TCU	

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9934407	VRO	RPD	Colour	2025/05/22	NC		%	25

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) Matrix Spike exceeds acceptance limits, probable matrix interference

(2) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

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VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Cristina Carriere, Senior Scientific Specialist

Zunaira Allem, Project Manager Assistant

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

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Exceedance Summary Table – ODWS (2002)

Result Exceedances

Sample ID	Bureau Veritas ID	Parameter	Criteria	Result	DL	UNITS
No Exceedances						

The exceedance summary table is for information purposes only and should not be considered a comprehensive listing or statement of conformance to applicable regulatory guidelines.

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Your Project #: CA0052306.5688
Site#: McCarthy
Your C.O.C. #: 1044378-02-01, 1044378-01-01

Attention: Colin Imrie

WSP Canada Inc.
121 Commerce Park Drive
Unit L
Barrie, ON
CANADA L4N 8X1

Report Date: 2025/05/14
Report #: R8538196
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C552443
Received: 2025/05/08, 13:16

Sample Matrix: Water
Samples Received: 16

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity	16	N/A	2025/05/12	CAM SOP-00448	SM 24 2320 B m
Carbonate, Bicarbonate and Hydroxide	16	N/A	2025/05/13	CAM SOP-00102	APHA 4500-CO2 D
Chloride by Automated Colourimetry	16	N/A	2025/05/12	CAM SOP-00463	SM 24 4500-Cl E m
Colour	16	N/A	2025/05/13	CAM SOP-00412	SM 24 2120C m
Conductivity	16	N/A	2025/05/12	CAM SOP-00414	SM 24 2510 m
Dissolved Organic Carbon (DOC) (1)	15	N/A	2025/05/10	CAM SOP-00446	SM 24 5310 B m
Dissolved Organic Carbon (DOC) (1)	1	N/A	2025/05/09	CAM SOP-00446	SM 24 5310 B m
Fluoride	16	2025/05/10	2025/05/13	CAM SOP-00449	SM 24 4500-F C m
Hardness (calculated as CaCO3)	16	N/A	2025/05/14	CAM SOP 00102/00408/00447	SM 2340 B
Dissolved Metals by ICPMS	16	N/A	2025/05/13	CAM SOP-00447	EPA 6020B m
Total Ammonia-N	16	N/A	2025/05/12	CAM SOP-00441	USGS I-2522-90 m
Nitrate & Nitrite as Nitrogen in Water (2)	16	N/A	2025/05/12	CAM SOP-00440	SM 24 4500-NO3I/NO2B
pH (3)	16	2025/05/10	2025/05/12	CAM SOP-00413	SM 24th - 4500H+ B
Orthophosphate	16	N/A	2025/05/12	CAM SOP-00461	SM 24 4500-P E
Sulphate by Automated Turbidimetry	16	N/A	2025/05/12	CAM SOP-00464	SM 24 4500-SO42- E m
Total Dissolved Solids (TDS calc)	16	N/A	2025/05/14		Auto Calc

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the

Your Project #: CA0052306.5688
Site#: McCarthy
Your C.O.C. #: 1044378-02-01, 1044378-01-01

Attention: Colin Imrie

WSP Canada Inc.
121 Commerce Park Drive
Unit L
Barrie, ON
CANADA L4N 8X1

Report Date: 2025/05/14
Report #: R8538196
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C552443
Received: 2025/05/08, 13:16
customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) Dissolved Organic Carbon (DOC) present in the sample should be considered as non-purgeable DOC.
(2) Values for calculated parameters may not appear to add up due to rounding of raw data and significant figures.
(3) "The CCME method and Analytical Protocol (O. Reg 153/04, O. Reg. 406/19) requires pH to be analyzed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are reported past the CCME and Analytical Protocol (O. Reg 153/04, O. Reg. 406/19) holding time. Bureau Veritas endeavors to analyze samples as soon as possible after receipt."

Encryption Key

AUTHORIZED REPORT
RAPPORT AUTORISÉ

Bureau Veritas
14 May 2025 15:35:49

Please direct all questions regarding this Certificate of Analysis to:
Keshani Vijh, Sr. Project Manager
Email: keshani.vijh@bureauveritas.com
Phone# (905) 817-5700

==========

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Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

Bureau Veritas Job #: C552443
Report Date: 2025/05/14

WSP Canada Inc.
Client Project #: CA0052306.5688
Sampler Initials: CI

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID				AQRR96			AQRR96		
Sampling Date				2025/05/07 10:00			2025/05/07 10:00		
COC Number				1044378-01-01			1044378-01-01		
	UNITS	MAC	A/O	AM1b	RDL	QC Batch	AM1b Lab-Dup	RDL	QC Batch
Calculated Parameters									
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	-	-	250	1.0	9925806			
Calculated TDS	mg/L	-	500	310	1.0	9925794			
Hardness (CaCO3)	mg/L	-	80:100	**270**	1.0	9925624			
Inorganics									
Total Ammonia-N	mg/L	-	-	<0.050	0.050	9926852	0.075	0.050	9926852
Colour	TCU	-	5	<2	2	9927690			
Conductivity	umho/cm	-	-	530	2.0	9926466	530	2.0	9926466
Fluoride (F-)	mg/L	1.5	-	0.24	0.10	9926464	0.22	0.10	9926464
Dissolved Organic Carbon	mg/L	-	5	0.73	0.40	9926210			
Orthophosphate (P)	mg/L	-	-	<0.010	0.010	9926451			
pH	pH	-	6.5:8.5	7.92		9926467	7.97		9926467
Dissolved Sulphate (SO4)	mg/L	-	500	37	1.0	9926453			
Alkalinity (Total as CaCO3)	mg/L	-	30:500	250	1.0	9926465	250	1.0	9926465
Dissolved Chloride (Cl-)	mg/L	-	250	1.4	1.0	9926452			
Nitrite (N)	mg/L	1	-	<0.010	0.010	9926448			
Nitrate (N)	mg/L	10	-	<0.10	0.10	9926448			
Nitrate + Nitrite (N)	mg/L	10	-	<0.10	0.10	9926448			

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)

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Bureau Veritas Job #: C552443
Report Date: 2025/05/14

WSP Canada Inc.
Client Project #: CA0052306.5688
Sampler Initials: CI

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID				AQRR97		AQRR98		AQRR99		
Sampling Date				2025/05/07 10:20		2025/05/07 14:45		2025/05/07 09:45		
COC Number				1044378-01-01		1044378-01-01		1044378-01-01		
	UNITS	MAC	A/O	AMx-R	RDL	TW1-1	RDL	Bored	RDL	QC Batch
Calculated Parameters										
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	-	-	4.2	1.0	300	1.0	310	1.0	9925806
Calculated TDS	mg/L	-	500	**7500**	1.0	**740**	1.0	360	1.0	9925794
Hardness (CaCO3)	mg/L	-	80:100	**2600**	1.0	**400**	1.0	**320**	1.0	9925624
Inorganics										
Total Ammonia-N	mg/L	-	-	4.9	0.050	0.54	0.050	<0.050	0.050	9926852
Colour	TCU	-	5	<2	2	2	2	<2	2	9927690
Conductivity	umho/cm	-	-	14000	2.0	1400	2.0	610	2.0	9926466
Fluoride (F-)	mg/L	1.5	-	0.71	0.10	0.55	0.10	0.13	0.10	9926464
Dissolved Organic Carbon	mg/L	-	5	1.3	0.40	1.8	0.40	0.99	0.40	9926210
Orthophosphate (P)	mg/L	-	-	<0.010	0.010	<0.010	0.010	<0.010	0.010	9926451
pH	pH	-	6.5:8.5	**5.78**		8.07		8.08		9926467
Dissolved Sulphate (SO4)	mg/L	-	500	<1.0	1.0	27	1.0	28	1.0	9926453
Alkalinity (Total as CaCO3)	mg/L	-	30:500	**4.2**	1.0	310	1.0	310	1.0	9926465
Dissolved Chloride (Cl-)	mg/L	-	250	**4600**	30	230	2.0	1.5	1.0	9926452
Nitrite (N)	mg/L	1	-	<0.10	0.10	<0.010	0.010	<0.010	0.010	9926448
Nitrate (N)	mg/L	10	-	<1.0	1.0	<0.10	0.10	0.20	0.10	9926448
Nitrate + Nitrite (N)	mg/L	10	-	<1.0	1.0	<0.10	0.10	0.20	0.10	9926448

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
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Bureau Veritas Job #: C552443
Report Date: 2025/05/14

WSP Canada Inc.
Client Project #: CA0052306.5688
Sampler Initials: CI

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID				AQRS00	AQRS01		AQRS02		
Sampling Date				2025/05/07 10:00	2025/05/07 10:10		2025/05/07 12:30		
COC Number				1044378-01-01	1044378-01-01		1044378-01-01		
	UNITS	MAC	A/O	OW4-1	OW4-2	RDL	OW5-1	RDL	QC Batch
Calculated Parameters									
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	-	-	190	250	1.0	310	1.0	9925806
Calculated TDS	mg/L	-	500	**580**	**720**	1.0	410	1.0	9925794
Hardness (CaCO3)	mg/L	-	80:100	**120**	**180**	1.0	**260**	1.0	9925624
Inorganics									
Total Ammonia-N	mg/L	-	-	0.64	0.97	0.050	0.22	0.050	9926852
Colour	TCU	-	5	<2	<2	2	<2	2	9927690
Conductivity	umho/cm	-	-	1200	1400	2.0	730	2.0	9926466
Fluoride (F-)	mg/L	1.5	-	1.1	1.1	0.10	0.54	0.10	9926464
Dissolved Organic Carbon	mg/L	-	5	1.6	1.1	0.40	1.2	0.40	9926210
Orthophosphate (P)	mg/L	-	-	<0.010	<0.010	0.010	<0.010	0.010	9926451
pH	pH	-	6.5:8.5	8.16	8.08		8.06		9926467
Dissolved Sulphate (SO4)	mg/L	-	500	2.6	<1.0	1.0	43	1.0	9926453
Alkalinity (Total as CaCO3)	mg/L	-	30:500	190	250	1.0	310	1.0	9926465
Dissolved Chloride (Cl-)	mg/L	-	250	220	**270**	2.0	20	1.0	9926452
Nitrite (N)	mg/L	1	-	0.023	<0.010	0.010	<0.010	0.010	9926448
Nitrate (N)	mg/L	10	-	<0.10	<0.10	0.10	0.29	0.10	9926448
Nitrate + Nitrite (N)	mg/L	10	-	<0.10	<0.10	0.10	0.29	0.10	9926448

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
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Bureau Veritas Job #: C552443
Report Date: 2025/05/14

WSP Canada Inc.
Client Project #: CA0052306.5688
Sampler Initials: CI

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID				AQRS03	AQRS04		AQRS05		
Sampling Date				2025/05/07 12:35	2025/05/07 12:20		2025/05/07 11:00		
COC Number				1044378-01-01	1044378-01-01		1044378-01-01		
	UNITS	MAC	A/O	OW5-2	OW5-3	RDL	OW6-2	RDL	QC Batch
Calculated Parameters									
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	-	-	120	110	1.0	150	1.0	9925806
Calculated TDS	mg/L	-	500	**18000**	**16000**	1.0	**3900**	1.0	9925794
Hardness (CaCO3)	mg/L	-	80:100	**5900**	**6100**	1.0	**1600**	1.0	9925624
Inorganics									
Total Ammonia-N	mg/L	-	-	9.4	9.4	0.050	<0.050	0.050	9926852
Colour	TCU	-	5	3	<2	2	<2	2	9927690
Conductivity	umho/cm	-	-	27000	27000	2.0	6400	2.0	9926466
Fluoride (F-)	mg/L	1.5	-	0.44	0.44	0.10	1.1	0.10	9926464
Dissolved Organic Carbon	mg/L	-	5	0.68	0.60	0.40	0.53	0.40	9926210
Orthophosphate (P)	mg/L	-	-	<0.010	<0.010	0.010	<0.010	0.010	9926451
pH	pH	-	6.5:8.5	7.30	7.35		7.83		9926467
Dissolved Sulphate (SO4)	mg/L	-	500	<1.0	3.0	1.0	**1000**	5.0	9926453
Alkalinity (Total as CaCO3)	mg/L	-	30:500	120	120	1.0	150	1.0	9926465
Dissolved Chloride (Cl-)	mg/L	-	250	**12000**	**10000**	100	**1400**	15	9926452
Nitrite (N)	mg/L	1	-	<0.010	<0.010	0.010	<0.010	0.010	9926448
Nitrate (N)	mg/L	10	-	<0.10	<0.10	0.10	1.31	0.10	9926448
Nitrate + Nitrite (N)	mg/L	10	-	<0.10	<0.10	0.10	1.31	0.10	9926448

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
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Bureau Veritas Job #: C552443
Report Date: 2025/05/14

WSP Canada Inc.
Client Project #: CA0052306.5688
Sampler Initials: CI

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID				AQRS06		AQRS07		
Sampling Date				2025/05/07 13:05		2025/05/07 13:15		
COC Number				1044378-02-01		1044378-02-01		
	UNITS	MAC	A/O	OW7-1	QC Batch	OW7-2	RDL	QC Batch
Calculated Parameters								
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	-	-	290	9925806	280	1.0	9925806
Calculated TDS	mg/L	-	500	**4200**	9925794	**4100**	1.0	9925794
Hardness (CaCO3)	mg/L	-	80:100	**1100**	9925624	**1100**	1.0	9925624
Inorganics								
Total Ammonia-N	mg/L	-	-	2.8	9926852	2.4	0.050	9926852
Colour	TCU	-	5	2	9927690	2	2	9927690
Conductivity	umho/cm	-	-	8000	9926466	7900	2.0	9926466
Fluoride (F-)	mg/L	1.5	-	**1.9**	9926464	**2.0**	0.10	9926464
Dissolved Organic Carbon	mg/L	-	5	0.71	9926210	0.72	0.40	9926208
Orthophosphate (P)	mg/L	-	-	<0.010	9926451	<0.010	0.010	9926451
pH	pH	-	6.5:8.5	7.81	9926467	7.78		9926467
Dissolved Sulphate (SO4)	mg/L	-	500	54	9926453	28	1.0	9926453
Alkalinity (Total as CaCO3)	mg/L	-	30:500	290	9926465	280	1.0	9926465
Dissolved Chloride (Cl-)	mg/L	-	250	**2400**	9926452	**2300**	20	9926452
Nitrite (N)	mg/L	1	-	<0.010	9926448	<0.010	0.010	9926448
Nitrate (N)	mg/L	10	-	<0.10	9926448	<0.10	0.10	9926448
Nitrate + Nitrite (N)	mg/L	10	-	<0.10	9926448	<0.10	0.10	9926448

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
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Report Date: 2025/05/14

WSP Canada Inc.
Client Project #: CA0052306.5688
Sampler Initials: CI

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID				AQRS08			AQRS08		
Sampling Date				2025/05/07 15:15			2025/05/07 15:15		
COC Number				1044378-02-01			1044378-02-01		
	UNITS	MAC	A/O	OW8-1	RDL	QC Batch	OW8-1 Lab-Dup	RDL	QC Batch
Calculated Parameters									
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	-	-	290	1.0	9925806			
Calculated TDS	mg/L	-	500	440	1.0	9925794			
Hardness (CaCO3)	mg/L	-	80:100	**310**	1.0	9925624			
Inorganics									
Total Ammonia-N	mg/L	-	-	0.34	0.050	9926852			
Colour	TCU	-	5	<2	2	9927690			
Conductivity	umho/cm	-	-	780	2.0	9926466			
Fluoride (F-)	mg/L	1.5	-	0.58	0.10	9926464			
Dissolved Organic Carbon	mg/L	-	5	1.6	0.40	9926210			
Orthophosphate (P)	mg/L	-	-	<0.010	0.010	9926451	<0.010	0.010	9926451
pH	pH	-	6.5:8.5	7.97		9926467			
Dissolved Sulphate (SO4)	mg/L	-	500	54	1.0	9926453	59	1.0	9926453
Alkalinity (Total as CaCO3)	mg/L	-	30:500	290	1.0	9926465			
Dissolved Chloride (Cl-)	mg/L	-	250	36	1.0	9926452	36	1.0	9926452
Nitrite (N)	mg/L	1	-	<0.010	0.010	9926448			
Nitrate (N)	mg/L	10	-	<0.10	0.10	9926448			
Nitrate + Nitrite (N)	mg/L	10	-	<0.10	0.10	9926448			

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
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Bureau Veritas Job #: C552443
Report Date: 2025/05/14

WSP Canada Inc.
Client Project #: CA0052306.5688
Sampler Initials: CI

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID				AQRS09	AQRS12			AQRS12		
Sampling Date				2025/05/07 15:30	2025/05/07			2025/05/07		
COC Number				1044378-02-01	1044378-02-01			1044378-02-01		
	UNITS	MAC	A/O	OW8-2	DUP2	RDL	QC Batch	DUP2 Lab-Dup	RDL	QC Batch
Calculated Parameters										
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	-	-	280	250	1.0	9925806			
Calculated TDS	mg/L	-	500	400	310	1.0	9925794			
Hardness (CaCO3)	mg/L	-	80:100	**300**	**280**	1.0	9925624			
Inorganics										
Total Ammonia-N	mg/L	-	-	0.28	0.057	0.050	9926852			
Colour	TCU	-	5	<2	<2	2	9927690			
Conductivity	umho/cm	-	-	700	530	2.0	9926466			
Fluoride (F-)	mg/L	1.5	-	0.53	0.23	0.10	9926464			
Dissolved Organic Carbon	mg/L	-	5	1.7	0.74	0.40	9926210			
Orthophosphate (P)	mg/L	-	-	<0.010	<0.010	0.010	9926451			
pH	pH	-	6.5:8.5	7.88	8.02		9926467			
Dissolved Sulphate (SO4)	mg/L	-	500	48	36	1.0	9926453			
Alkalinity (Total as CaCO3)	mg/L	-	30:500	280	250	1.0	9926465			
Dissolved Chloride (Cl-)	mg/L	-	250	23	1.3	1.0	9926452			
Nitrite (N)	mg/L	1	-	0.015	<0.010	0.010	9926448	<0.010	0.010	9926448
Nitrate (N)	mg/L	10	-	<0.10	<0.10	0.10	9926448	<0.10	0.10	9926448
Nitrate + Nitrite (N)	mg/L	10	-	<0.10	<0.10	0.10	9926448	<0.10	0.10	9926448

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
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Bureau Veritas Job #: C552443
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Client Project #: CA0052306.5688
Sampler Initials: CI

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID				AQRS13			AQRS13		
Sampling Date				2025/05/07			2025/05/07		
COC Number				1044378-02-01			1044378-02-01		
	UNITS	MAC	A/O	DUP4	RDL	QC Batch	DUP4 Lab-Dup	RDL	QC Batch
Calculated Parameters									
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	-	-	290	1.0	9925806			
Calculated TDS	mg/L	-	500	430	1.0	9925794			
Hardness (CaCO3)	mg/L	-	80:100	**300**	1.0	9925624			
Inorganics									
Total Ammonia-N	mg/L	-	-	0.34	0.050	9926852			
Colour	TCU	-	5	<2	2	9927690	<2	2	9927690
Conductivity	umho/cm	-	-	770	2.0	9926466			
Fluoride (F-)	mg/L	1.5	-	0.58	0.10	9926464			
Dissolved Organic Carbon	mg/L	-	5	1.5	0.40	9926210			
Orthophosphate (P)	mg/L	-	-	<0.010	0.010	9926451			
pH	pH	-	6.5:8.5	7.99		9926467			
Dissolved Sulphate (SO4)	mg/L	-	500	56	1.0	9926453			
Alkalinity (Total as CaCO3)	mg/L	-	30:500	290	1.0	9926465			
Dissolved Chloride (Cl-)	mg/L	-	250	36	1.0	9926452			
Nitrite (N)	mg/L	1	-	<0.010	0.010	9926448			
Nitrate (N)	mg/L	10	-	<0.10	0.10	9926448			
Nitrate + Nitrite (N)	mg/L	10	-	<0.10	0.10	9926448			

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)

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Bureau Veritas Job #: C552443
Report Date: 2025/05/14

WSP Canada Inc.
Client Project #: CA0052306.5688
Sampler Initials: CI

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID			AQRR96		AQRR97		AQRR98	AQRR99		
Sampling Date			2025/05/07 10:00		2025/05/07 10:20		2025/05/07 14:45	2025/05/07 09:45		
COC Number			1044378-01-01		1044378-01-01		1044378-01-01	1044378-01-01		
	UNITS	A/O	AM1b	RDL	AMx-R	RDL	TW1-1	Bored	RDL	QC Batch
Metals										
Dissolved Calcium (Ca)	ug/L	-	54000	200	500000	2000	89000	74000	200	9926060
Dissolved Magnesium (Mg)	ug/L	-	32000	50	340000	50	42000	32000	50	9926060
Dissolved Phosphorus (P)	ug/L	-	<100	100	<100	100	<100	<100	100	9926060
Dissolved Potassium (K)	ug/L	-	2300	200	42000	200	7700	3800	200	9926060
Dissolved Sodium (Na)	ug/L	200000	6000	100	**1900000**	500	150000	13000	100	9926060

No Fill — No Exceedance
Grey — Exceeds 1 criteria policy/level
Black — Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)

Bureau Veritas ID			AQRS00	AQRS01	AQRS02		AQRS03	AQRS04		
Sampling Date			2025/05/07 10:00	2025/05/07 10:10	2025/05/07 12:30		2025/05/07 12:35	2025/05/07 12:20		
COC Number			1044378-01-01	1044378-01-01	1044378-01-01		1044378-01-01	1044378-01-01		
	UNITS	A/O	OW4-1	OW4-2	OW5-1	RDL	OW5-2	OW5-3	RDL	QC Batch
Metals										
Dissolved Calcium (Ca)	ug/L	-	23000	33000	50000	200	1200000	1200000	4000	9926060
Dissolved Magnesium (Mg)	ug/L	-	16000	24000	33000	50	710000	730000	250	9926060
Dissolved Phosphorus (P)	ug/L	-	<100	<100	<100	100	<500	<500	500	9926060
Dissolved Potassium (K)	ug/L	-	6200	8800	6200	200	69000	71000	1000	9926060
Dissolved Sodium (Na)	ug/L	200000	180000	**220000**	55000	100	**3700000**	**3900000**	1000	9926060

No Fill — No Exceedance
Grey — Exceeds 1 criteria policy/level
Black — Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)

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ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID			AQRS05		AQRS06	AQRS06	AQRS07		
Sampling Date			2025/05/07 11:00		2025/05/07 13:05	2025/05/07 13:05	2025/05/07 13:15		
COC Number			1044378-01-01		1044378-02-01	1044378-02-01	1044378-02-01		
	UNITS	A/O	OW6-2	RDL	OW7-1	OW7-1 Lab-Dup	OW7-2	RDL	QC Batch
Metals									
Dissolved Calcium (Ca)	ug/L	-	320000	1000	230000	240000	220000	1000	9926060
Dissolved Magnesium (Mg)	ug/L	-	200000	250	130000	130000	130000	50	9926060
Dissolved Phosphorus (P)	ug/L	-	<500	500	<100	<100	<100	100	9926060
Dissolved Potassium (K)	ug/L	-	18000	1000	20000	20000	20000	200	9926060
Dissolved Sodium (Na)	ug/L	200000	**790000**	500	**1200000**	**1200000**	**1300000**	500	9926060

No Fill — No Exceedance
Grey — Exceeds 1 criteria policy/level
Black — Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)

Bureau Veritas ID			AQRS08	AQRS09	AQRS12	AQRS13		
Sampling Date			2025/05/07 15:15	2025/05/07 15:30	2025/05/07	2025/05/07		
COC Number			1044378-02-01	1044378-02-01	1044378-02-01	1044378-02-01		
	UNITS	A/O	OW8-1	OW8-2	DUP2	DUP4	RDL	QC Batch
Metals								
Dissolved Calcium (Ca)	ug/L	-	92000	89000	54000	89000	200	9926060
Dissolved Magnesium (Mg)	ug/L	-	20000	19000	34000	19000	50	9926060
Dissolved Phosphorus (P)	ug/L	-	<100	<100	<100	<100	100	9926060
Dissolved Potassium (K)	ug/L	-	3900	3800	2300	3800	200	9926060
Dissolved Sodium (Na)	ug/L	200000	47000	42000	6100	44000	100	9926060

No Fill — No Exceedance
Grey — Exceeds 1 criteria policy/level
Black — Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)

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TEST SUMMARY

Bureau Veritas ID: AQRR96
Sample ID: AM1b
Matrix: Water

Collected: 2025/05/07
Shipped:
Received: 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9926465	N/A	2025/05/12	Gurparteek KAUR
Carbonate, Bicarbonate and Hydroxide	CALC	9925806	N/A	2025/05/13	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9926452	N/A	2025/05/12	Massarat Jan
Colour	SPEC	9927690	N/A	2025/05/13	Gyulshen Idriz
Conductivity	AT	9926466	N/A	2025/05/12	Gurparteek KAUR
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9926210	N/A	2025/05/10	Gyulshen Idriz
Fluoride	ISE	9926464	2025/05/10	2025/05/13	Nachiketa Gohil
Hardness (calculated as CaCO3)		9925624	N/A	2025/05/14	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	9926060	N/A	2025/05/13	Thuy Linh Nguyen
Total Ammonia-N	SKAL/NH4	9926852	N/A	2025/05/12	Muskan
Nitrate & Nitrite as Nitrogen in Water	LACH	9926448	N/A	2025/05/12	Chandra Nandlal
pH	AT	9926467	2025/05/10	2025/05/12	Gurparteek KAUR
Orthophosphate	SKAL	9926451	N/A	2025/05/12	Massarat Jan
Sulphate by Automated Turbidimetry	SKAL	9926453	N/A	2025/05/12	Massarat Jan
Total Dissolved Solids (TDS calc)	CALC	9925794	N/A	2025/05/14	Automated Statchk

Bureau Veritas ID: AQRR96 Dup
Sample ID: AM1b
Matrix: Water

Collected: 2025/05/07
Shipped:
Received: 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9926465	N/A	2025/05/12	Gurparteek KAUR
Conductivity	AT	9926466	N/A	2025/05/12	Gurparteek KAUR
Fluoride	ISE	9926464	2025/05/10	2025/05/13	Nachiketa Gohil
Total Ammonia-N	SKAL/NH4	9926852	N/A	2025/05/12	Muskan
pH	AT	9926467	2025/05/10	2025/05/12	Gurparteek KAUR

Bureau Veritas ID: AQRR97
Sample ID: AMx-R
Matrix: Water

Collected: 2025/05/07
Shipped:
Received: 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9926465	N/A	2025/05/12	Gurparteek KAUR
Carbonate, Bicarbonate and Hydroxide	CALC	9925806	N/A	2025/05/13	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9926452	N/A	2025/05/12	Massarat Jan
Colour	SPEC	9927690	N/A	2025/05/13	Gyulshen Idriz
Conductivity	AT	9926466	N/A	2025/05/12	Gurparteek KAUR
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9926210	N/A	2025/05/10	Gyulshen Idriz
Fluoride	ISE	9926464	2025/05/10	2025/05/13	Nachiketa Gohil
Hardness (calculated as CaCO3)		9925624	N/A	2025/05/14	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	9926060	N/A	2025/05/13	Thuy Linh Nguyen
Total Ammonia-N	SKAL/NH4	9926852	N/A	2025/05/12	Muskan
Nitrate & Nitrite as Nitrogen in Water	LACH	9926448	N/A	2025/05/12	Chandra Nandlal
pH	AT	9926467	2025/05/10	2025/05/12	Gurparteek KAUR
Orthophosphate	SKAL	9926451	N/A	2025/05/12	Massarat Jan

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TEST SUMMARY

Bureau Veritas ID: AQRR97 **Collected:** 2025/05/07
Sample ID: AMx-R **Shipped:**
Matrix: Water **Received:** 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Sulphate by Automated Turbidimetry	SKAL	9926453	N/A	2025/05/12	Massarat Jan
Total Dissolved Solids (TDS calc)	CALC	9925794	N/A	2025/05/14	Automated Statchk

Bureau Veritas ID: AQRR98 **Collected:** 2025/05/07
Sample ID: TW1-1 **Shipped:**
Matrix: Water **Received:** 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9926465	N/A	2025/05/12	Gurparteek KAUR
Carbonate, Bicarbonate and Hydroxide	CALC	9925806	N/A	2025/05/13	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9926452	N/A	2025/05/12	Massarat Jan
Colour	SPEC	9927690	N/A	2025/05/13	Gyulshen Idriz
Conductivity	AT	9926466	N/A	2025/05/12	Gurparteek KAUR
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9926210	N/A	2025/05/10	Gyulshen Idriz
Fluoride	ISE	9926464	2025/05/10	2025/05/13	Nachiketa Gohil
Hardness (calculated as CaCO3)		9925624	N/A	2025/05/14	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	9926060	N/A	2025/05/13	Thuy Linh Nguyen
Total Ammonia-N	SKAL/NH4	9926852	N/A	2025/05/12	Muskan
Nitrate & Nitrite as Nitrogen in Water	LACH	9926448	N/A	2025/05/12	Chandra Nandlal
pH	AT	9926467	2025/05/10	2025/05/12	Gurparteek KAUR
Orthophosphate	SKAL	9926451	N/A	2025/05/12	Massarat Jan
Sulphate by Automated Turbidimetry	SKAL	9926453	N/A	2025/05/12	Massarat Jan
Total Dissolved Solids (TDS calc)	CALC	9925794	N/A	2025/05/14	Automated Statchk

Bureau Veritas ID: AQRR99 **Collected:** 2025/05/07
Sample ID: Bored **Shipped:**
Matrix: Water **Received:** 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9926465	N/A	2025/05/12	Gurparteek KAUR
Carbonate, Bicarbonate and Hydroxide	CALC	9925806	N/A	2025/05/13	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9926452	N/A	2025/05/12	Massarat Jan
Colour	SPEC	9927690	N/A	2025/05/13	Gyulshen Idriz
Conductivity	AT	9926466	N/A	2025/05/12	Gurparteek KAUR
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9926210	N/A	2025/05/10	Gyulshen Idriz
Fluoride	ISE	9926464	2025/05/10	2025/05/13	Nachiketa Gohil
Hardness (calculated as CaCO3)		9925624	N/A	2025/05/14	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	9926060	N/A	2025/05/13	Thuy Linh Nguyen
Total Ammonia-N	SKAL/NH4	9926852	N/A	2025/05/12	Muskan
Nitrate & Nitrite as Nitrogen in Water	LACH	9926448	N/A	2025/05/12	Chandra Nandlal
pH	AT	9926467	2025/05/10	2025/05/12	Gurparteek KAUR
Orthophosphate	SKAL	9926451	N/A	2025/05/12	Massarat Jan
Sulphate by Automated Turbidimetry	SKAL	9926453	N/A	2025/05/12	Massarat Jan
Total Dissolved Solids (TDS calc)	CALC	9925794	N/A	2025/05/14	Automated Statchk

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TEST SUMMARY

Bureau Veritas ID: AQRS00
Sample ID: OW4-1
Matrix: Water

Collected: 2025/05/07
Shipped:
Received: 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9926465	N/A	2025/05/12	Gurparteek KAUR
Carbonate, Bicarbonate and Hydroxide	CALC	9925806	N/A	2025/05/13	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9926452	N/A	2025/05/12	Massarat Jan
Colour	SPEC	9927690	N/A	2025/05/13	Gyulshen Idriz
Conductivity	AT	9926466	N/A	2025/05/12	Gurparteek KAUR
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9926210	N/A	2025/05/10	Gyulshen Idriz
Fluoride	ISE	9926464	2025/05/10	2025/05/13	Nachiketa Gohil
Hardness (calculated as CaCO3)		9925624	N/A	2025/05/14	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	9926060	N/A	2025/05/13	Thuy Linh Nguyen
Total Ammonia-N	SKAL/NH4	9926852	N/A	2025/05/12	Muskan
Nitrate & Nitrite as Nitrogen in Water	LACH	9926448	N/A	2025/05/12	Chandra Nandlal
pH	AT	9926467	2025/05/10	2025/05/12	Gurparteek KAUR
Orthophosphate	SKAL	9926451	N/A	2025/05/12	Massarat Jan
Sulphate by Automated Turbidimetry	SKAL	9926453	N/A	2025/05/12	Massarat Jan
Total Dissolved Solids (TDS calc)	CALC	9925794	N/A	2025/05/14	Automated Statchk

Bureau Veritas ID: AQRS01
Sample ID: OW4-2
Matrix: Water

Collected: 2025/05/07
Shipped:
Received: 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9926465	N/A	2025/05/12	Gurparteek KAUR
Carbonate, Bicarbonate and Hydroxide	CALC	9925806	N/A	2025/05/13	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9926452	N/A	2025/05/12	Massarat Jan
Colour	SPEC	9927690	N/A	2025/05/13	Gyulshen Idriz
Conductivity	AT	9926466	N/A	2025/05/12	Gurparteek KAUR
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9926210	N/A	2025/05/10	Gyulshen Idriz
Fluoride	ISE	9926464	2025/05/10	2025/05/13	Nachiketa Gohil
Hardness (calculated as CaCO3)		9925624	N/A	2025/05/14	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	9926060	N/A	2025/05/13	Thuy Linh Nguyen
Total Ammonia-N	SKAL/NH4	9926852	N/A	2025/05/12	Muskan
Nitrate & Nitrite as Nitrogen in Water	LACH	9926448	N/A	2025/05/12	Chandra Nandlal
pH	AT	9926467	2025/05/10	2025/05/12	Gurparteek KAUR
Orthophosphate	SKAL	9926451	N/A	2025/05/12	Massarat Jan
Sulphate by Automated Turbidimetry	SKAL	9926453	N/A	2025/05/12	Massarat Jan
Total Dissolved Solids (TDS calc)	CALC	9925794	N/A	2025/05/14	Automated Statchk

Bureau Veritas ID: AQRS02
Sample ID: OW5-1
Matrix: Water

Collected: 2025/05/07
Shipped:
Received: 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9926465	N/A	2025/05/12	Gurparteek KAUR
Carbonate, Bicarbonate and Hydroxide	CALC	9925806	N/A	2025/05/13	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9926452	N/A	2025/05/12	Massarat Jan

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TEST SUMMARY

Bureau Veritas ID: AQRS02 **Collected:** 2025/05/07
Sample ID: OW5-1 **Shipped:**
Matrix: Water **Received:** 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Colour	SPEC	9927690	N/A	2025/05/13	Gyulshen Idriz
Conductivity	AT	9926466	N/A	2025/05/12	Gurparteek KAUR
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9926210	N/A	2025/05/10	Gyulshen Idriz
Fluoride	ISE	9926464	2025/05/10	2025/05/13	Nachiketa Gohil
Hardness (calculated as CaCO3)		9925624	N/A	2025/05/14	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	9926060	N/A	2025/05/13	Thuy Linh Nguyen
Total Ammonia-N	SKAL/NH4	9926852	N/A	2025/05/12	Muskan
Nitrate & Nitrite as Nitrogen in Water	LACH	9926448	N/A	2025/05/12	Chandra Nandlal
pH	AT	9926467	2025/05/10	2025/05/12	Gurparteek KAUR
Orthophosphate	SKAL	9926451	N/A	2025/05/12	Massarat Jan
Sulphate by Automated Turbidimetry	SKAL	9926453	N/A	2025/05/12	Massarat Jan
Total Dissolved Solids (TDS calc)	CALC	9925794	N/A	2025/05/14	Automated Statchk

Bureau Veritas ID: AQRS03 **Collected:** 2025/05/07
Sample ID: OW5-2 **Shipped:**
Matrix: Water **Received:** 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9926465	N/A	2025/05/12	Gurparteek KAUR
Carbonate, Bicarbonate and Hydroxide	CALC	9925806	N/A	2025/05/13	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9926452	N/A	2025/05/12	Massarat Jan
Colour	SPEC	9927690	N/A	2025/05/13	Gyulshen Idriz
Conductivity	AT	9926466	N/A	2025/05/12	Gurparteek KAUR
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9926210	N/A	2025/05/10	Gyulshen Idriz
Fluoride	ISE	9926464	2025/05/10	2025/05/13	Nachiketa Gohil
Hardness (calculated as CaCO3)		9925624	N/A	2025/05/14	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	9926060	N/A	2025/05/13	Thuy Linh Nguyen
Total Ammonia-N	SKAL/NH4	9926852	N/A	2025/05/12	Muskan
Nitrate & Nitrite as Nitrogen in Water	LACH	9926448	N/A	2025/05/12	Chandra Nandlal
pH	AT	9926467	2025/05/10	2025/05/12	Gurparteek KAUR
Orthophosphate	SKAL	9926451	N/A	2025/05/12	Massarat Jan
Sulphate by Automated Turbidimetry	SKAL	9926453	N/A	2025/05/12	Massarat Jan
Total Dissolved Solids (TDS calc)	CALC	9925794	N/A	2025/05/14	Automated Statchk

Bureau Veritas ID: AQRS04 **Collected:** 2025/05/07
Sample ID: OW5-3 **Shipped:**
Matrix: Water **Received:** 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9926465	N/A	2025/05/12	Gurparteek KAUR
Carbonate, Bicarbonate and Hydroxide	CALC	9925806	N/A	2025/05/13	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9926452	N/A	2025/05/12	Massarat Jan
Colour	SPEC	9927690	N/A	2025/05/13	Gyulshen Idriz
Conductivity	AT	9926466	N/A	2025/05/12	Gurparteek KAUR
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9926210	N/A	2025/05/10	Gyulshen Idriz

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TEST SUMMARY

Bureau Veritas ID: AQRS04 **Collected:** 2025/05/07
Sample ID: OW5-3 **Shipped:**
Matrix: Water **Received:** 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Fluoride	ISE	9926464	2025/05/10	2025/05/13	Nachiketa Gohil
Hardness (calculated as CaCO3)		9925624	N/A	2025/05/14	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	9926060	N/A	2025/05/13	Thuy Linh Nguyen
Total Ammonia-N	SKAL/NH4	9926852	N/A	2025/05/12	Muskan
Nitrate & Nitrite as Nitrogen in Water	LACH	9926448	N/A	2025/05/12	Chandra Nandlal
pH	AT	9926467	2025/05/10	2025/05/12	Gurparteek KAUR
Orthophosphate	SKAL	9926451	N/A	2025/05/12	Massarat Jan
Sulphate by Automated Turbidimetry	SKAL	9926453	N/A	2025/05/12	Massarat Jan
Total Dissolved Solids (TDS calc)	CALC	9925794	N/A	2025/05/14	Automated Statchk

Bureau Veritas ID: AQRS05 **Collected:** 2025/05/07
Sample ID: OW6-2 **Shipped:**
Matrix: Water **Received:** 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9926465	N/A	2025/05/12	Gurparteek KAUR
Carbonate, Bicarbonate and Hydroxide	CALC	9925806	N/A	2025/05/13	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9926452	N/A	2025/05/12	Massarat Jan
Colour	SPEC	9927690	N/A	2025/05/13	Gyulshen Idriz
Conductivity	AT	9926466	N/A	2025/05/12	Gurparteek KAUR
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9926210	N/A	2025/05/10	Gyulshen Idriz
Fluoride	ISE	9926464	2025/05/10	2025/05/13	Nachiketa Gohil
Hardness (calculated as CaCO3)		9925624	N/A	2025/05/14	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	9926060	N/A	2025/05/13	Thuy Linh Nguyen
Total Ammonia-N	SKAL/NH4	9926852	N/A	2025/05/12	Muskan
Nitrate & Nitrite as Nitrogen in Water	LACH	9926448	N/A	2025/05/12	Chandra Nandlal
pH	AT	9926467	2025/05/10	2025/05/12	Gurparteek KAUR
Orthophosphate	SKAL	9926451	N/A	2025/05/12	Massarat Jan
Sulphate by Automated Turbidimetry	SKAL	9926453	N/A	2025/05/12	Massarat Jan
Total Dissolved Solids (TDS calc)	CALC	9925794	N/A	2025/05/14	Automated Statchk

Bureau Veritas ID: AQRS06 **Collected:** 2025/05/07
Sample ID: OW7-1 **Shipped:**
Matrix: Water **Received:** 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9926465	N/A	2025/05/12	Gurparteek KAUR
Carbonate, Bicarbonate and Hydroxide	CALC	9925806	N/A	2025/05/13	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9926452	N/A	2025/05/12	Massarat Jan
Colour	SPEC	9927690	N/A	2025/05/13	Gyulshen Idriz
Conductivity	AT	9926466	N/A	2025/05/12	Gurparteek KAUR
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9926210	N/A	2025/05/10	Gyulshen Idriz
Fluoride	ISE	9926464	2025/05/10	2025/05/13	Nachiketa Gohil
Hardness (calculated as CaCO3)		9925624	N/A	2025/05/14	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	9926060	N/A	2025/05/13	Thuy Linh Nguyen

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TEST SUMMARY

Bureau Veritas ID: AQRS06 **Collected:** 2025/05/07
Sample ID: OW7-1 **Shipped:**
Matrix: Water **Received:** 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Ammonia-N	SKAL/NH4	9926852	N/A	2025/05/12	Muskan
Nitrate & Nitrite as Nitrogen in Water	LACH	9926448	N/A	2025/05/12	Chandra Nandlal
pH	AT	9926467	2025/05/10	2025/05/12	Gurparteek KAUR
Orthophosphate	SKAL	9926451	N/A	2025/05/12	Massarat Jan
Sulphate by Automated Turbidimetry	SKAL	9926453	N/A	2025/05/12	Massarat Jan
Total Dissolved Solids (TDS calc)	CALC	9925794	N/A	2025/05/14	Automated Statchk

Bureau Veritas ID: AQRS06 Dup **Collected:** 2025/05/07
Sample ID: OW7-1 **Shipped:**
Matrix: Water **Received:** 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	9926060	N/A	2025/05/13	Thuy Linh Nguyen

Bureau Veritas ID: AQRS07 **Collected:** 2025/05/07
Sample ID: OW7-2 **Shipped:**
Matrix: Water **Received:** 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9926465	N/A	2025/05/12	Gurparteek KAUR
Carbonate, Bicarbonate and Hydroxide	CALC	9925806	N/A	2025/05/13	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9926452	N/A	2025/05/12	Massarat Jan
Colour	SPEC	9927690	N/A	2025/05/13	Gyulshen Idriz
Conductivity	AT	9926466	N/A	2025/05/12	Gurparteek KAUR
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9926208	N/A	2025/05/09	Gyulshen Idriz
Fluoride	ISE	9926464	2025/05/10	2025/05/13	Nachiketa Gohil
Hardness (calculated as CaCO3)		9925624	N/A	2025/05/14	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	9926060	N/A	2025/05/13	Thuy Linh Nguyen
Total Ammonia-N	SKAL/NH4	9926852	N/A	2025/05/12	Muskan
Nitrate & Nitrite as Nitrogen in Water	LACH	9926448	N/A	2025/05/12	Chandra Nandlal
pH	AT	9926467	2025/05/10	2025/05/12	Gurparteek KAUR
Orthophosphate	SKAL	9926451	N/A	2025/05/12	Massarat Jan
Sulphate by Automated Turbidimetry	SKAL	9926453	N/A	2025/05/12	Massarat Jan
Total Dissolved Solids (TDS calc)	CALC	9925794	N/A	2025/05/14	Automated Statchk

Bureau Veritas ID: AQRS08 **Collected:** 2025/05/07
Sample ID: OW8-1 **Shipped:**
Matrix: Water **Received:** 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9926465	N/A	2025/05/12	Gurparteek KAUR
Carbonate, Bicarbonate and Hydroxide	CALC	9925806	N/A	2025/05/13	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9926452	N/A	2025/05/12	Massarat Jan
Colour	SPEC	9927690	N/A	2025/05/13	Gyulshen Idriz
Conductivity	AT	9926466	N/A	2025/05/12	Gurparteek KAUR

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TEST SUMMARY

Bureau Veritas ID: AQRS08 **Collected:** 2025/05/07
Sample ID: OW8-1 **Shipped:**
Matrix: Water **Received:** 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9926210	N/A	2025/05/10	Gyulshen Idriz
Fluoride	ISE	9926464	2025/05/10	2025/05/13	Nachiketa Gohil
Hardness (calculated as CaCO3)		9925624	N/A	2025/05/14	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	9926060	N/A	2025/05/13	Thuy Linh Nguyen
Total Ammonia-N	SKAL/NH4	9926852	N/A	2025/05/12	Muskan
Nitrate & Nitrite as Nitrogen in Water	LACH	9926448	N/A	2025/05/12	Chandra Nandlal
pH	AT	9926467	2025/05/10	2025/05/12	Gurparteek KAUR
Orthophosphate	SKAL	9926451	N/A	2025/05/12	Massarat Jan
Sulphate by Automated Turbidimetry	SKAL	9926453	N/A	2025/05/12	Massarat Jan
Total Dissolved Solids (TDS calc)	CALC	9925794	N/A	2025/05/14	Automated Statchk

Bureau Veritas ID: AQRS08 Dup **Collected:** 2025/05/07
Sample ID: OW8-1 **Shipped:**
Matrix: Water **Received:** 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Chloride by Automated Colourimetry	SKAL	9926452	N/A	2025/05/12	Massarat Jan
Orthophosphate	SKAL	9926451	N/A	2025/05/12	Massarat Jan
Sulphate by Automated Turbidimetry	SKAL	9926453	N/A	2025/05/12	Massarat Jan

Bureau Veritas ID: AQRS09 **Collected:** 2025/05/07
Sample ID: OW8-2 **Shipped:**
Matrix: Water **Received:** 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9926465	N/A	2025/05/12	Gurparteek KAUR
Carbonate, Bicarbonate and Hydroxide	CALC	9925806	N/A	2025/05/13	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9926452	N/A	2025/05/12	Massarat Jan
Colour	SPEC	9927690	N/A	2025/05/13	Gyulshen Idriz
Conductivity	AT	9926466	N/A	2025/05/12	Gurparteek KAUR
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9926210	N/A	2025/05/10	Gyulshen Idriz
Fluoride	ISE	9926464	2025/05/10	2025/05/13	Nachiketa Gohil
Hardness (calculated as CaCO3)		9925624	N/A	2025/05/14	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	9926060	N/A	2025/05/13	Thuy Linh Nguyen
Total Ammonia-N	SKAL/NH4	9926852	N/A	2025/05/12	Muskan
Nitrate & Nitrite as Nitrogen in Water	LACH	9926448	N/A	2025/05/12	Chandra Nandlal
pH	AT	9926467	2025/05/10	2025/05/12	Gurparteek KAUR
Orthophosphate	SKAL	9926451	N/A	2025/05/12	Massarat Jan
Sulphate by Automated Turbidimetry	SKAL	9926453	N/A	2025/05/12	Massarat Jan
Total Dissolved Solids (TDS calc)	CALC	9925794	N/A	2025/05/14	Automated Statchk

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TEST SUMMARY

Bureau Veritas ID: AQRS12 **Collected:** 2025/05/07
Sample ID: DUP2 **Shipped:**
Matrix: Water **Received:** 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9926465	N/A	2025/05/12	Gurparteek KAUR
Carbonate, Bicarbonate and Hydroxide	CALC	9925806	N/A	2025/05/13	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9926452	N/A	2025/05/12	Massarat Jan
Colour	SPEC	9927690	N/A	2025/05/13	Gyulshen Idriz
Conductivity	AT	9926466	N/A	2025/05/12	Gurparteek KAUR
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9926210	N/A	2025/05/10	Gyulshen Idriz
Fluoride	ISE	9926464	2025/05/10	2025/05/13	Nachiketa Gohil
Hardness (calculated as CaCO3)		9925624	N/A	2025/05/14	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	9926060	N/A	2025/05/13	Thuy Linh Nguyen
Total Ammonia-N	SKAL/NH4	9926852	N/A	2025/05/12	Muskan
Nitrate & Nitrite as Nitrogen in Water	LACH	9926448	N/A	2025/05/12	Chandra Nandlal
pH	AT	9926467	2025/05/10	2025/05/12	Gurparteek KAUR
Orthophosphate	SKAL	9926451	N/A	2025/05/12	Massarat Jan
Sulphate by Automated Turbidimetry	SKAL	9926453	N/A	2025/05/12	Massarat Jan
Total Dissolved Solids (TDS calc)	CALC	9925794	N/A	2025/05/14	Automated Statchk

Bureau Veritas ID: AQRS12 Dup **Collected:** 2025/05/07
Sample ID: DUP2 **Shipped:**
Matrix: Water **Received:** 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Nitrate & Nitrite as Nitrogen in Water	LACH	9926448	N/A	2025/05/12	Chandra Nandlal

Bureau Veritas ID: AQRS13 **Collected:** 2025/05/07
Sample ID: DUP4 **Shipped:**
Matrix: Water **Received:** 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9926465	N/A	2025/05/12	Gurparteek KAUR
Carbonate, Bicarbonate and Hydroxide	CALC	9925806	N/A	2025/05/13	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9926452	N/A	2025/05/12	Massarat Jan
Colour	SPEC	9927690	N/A	2025/05/13	Gyulshen Idriz
Conductivity	AT	9926466	N/A	2025/05/12	Gurparteek KAUR
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9926210	N/A	2025/05/10	Gyulshen Idriz
Fluoride	ISE	9926464	2025/05/10	2025/05/13	Nachiketa Gohil
Hardness (calculated as CaCO3)		9925624	N/A	2025/05/14	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	9926060	N/A	2025/05/13	Thuy Linh Nguyen
Total Ammonia-N	SKAL/NH4	9926852	N/A	2025/05/12	Muskan
Nitrate & Nitrite as Nitrogen in Water	LACH	9926448	N/A	2025/05/12	Chandra Nandlal
pH	AT	9926467	2025/05/10	2025/05/12	Gurparteek KAUR
Orthophosphate	SKAL	9926451	N/A	2025/05/12	Massarat Jan
Sulphate by Automated Turbidimetry	SKAL	9926453	N/A	2025/05/12	Massarat Jan
Total Dissolved Solids (TDS calc)	CALC	9925794	N/A	2025/05/14	Automated Statchk

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Bureau Veritas Job #: C552443
Report Date: 2025/05/14

WSP Canada Inc.
Client Project #: CA0052306.5688
Sampler Initials: CI

TEST SUMMARY

Bureau Veritas ID: AQRS13 Dup
Sample ID: DUP4
Matrix: Water

Collected: 2025/05/07
Shipped:
Received: 2025/05/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Colour	SPEC	9927690	N/A	2025/05/13	Gyulshen Idriz

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GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	0.0°C
Package 2	-0.7°C

Sample AQRR97 [AMx-R] : Nitrite/Nitrate: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Sample AQRS03 [OW5-2] : Metals Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Sample AQRS04 [OW5-3] : Metals Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Sample AQRS05 [OW6-2] : Metals Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9926060	TLG	Matrix Spike [AQRS06-03]	Dissolved Calcium (Ca)	2025/05/13		NC	%	80 - 120
			Dissolved Magnesium (Mg)	2025/05/13		NC	%	80 - 120
			Dissolved Phosphorus (P)	2025/05/13		123 (1)	%	80 - 120
			Dissolved Potassium (K)	2025/05/13		114	%	80 - 120
			Dissolved Sodium (Na)	2025/05/13		NC	%	80 - 120
9926060	TLG	Spiked Blank	Dissolved Calcium (Ca)	2025/05/13		97	%	80 - 120
			Dissolved Magnesium (Mg)	2025/05/13		99	%	80 - 120
			Dissolved Phosphorus (P)	2025/05/13		102	%	80 - 120
			Dissolved Potassium (K)	2025/05/13		100	%	80 - 120
			Dissolved Sodium (Na)	2025/05/13		97	%	80 - 120
9926060	TLG	Method Blank	Dissolved Calcium (Ca)	2025/05/13	<200		ug/L	
			Dissolved Magnesium (Mg)	2025/05/13	<50		ug/L	
			Dissolved Phosphorus (P)	2025/05/13	<100		ug/L	
			Dissolved Potassium (K)	2025/05/13	<200		ug/L	
			Dissolved Sodium (Na)	2025/05/13	<100		ug/L	
9926060	TLG	RPD [AQRS06-03]	Dissolved Calcium (Ca)	2025/05/13	5.6		%	20
			Dissolved Magnesium (Mg)	2025/05/13	4.5		%	20
			Dissolved Phosphorus (P)	2025/05/13	NC		%	20
			Dissolved Potassium (K)	2025/05/13	1.1		%	20
			Dissolved Sodium (Na)	2025/05/13	0.57		%	20
9926208	GID	Matrix Spike	Dissolved Organic Carbon	2025/05/09		93	%	80 - 120
9926208	GID	Spiked Blank	Dissolved Organic Carbon	2025/05/09		96	%	80 - 120
9926208	GID	Method Blank	Dissolved Organic Carbon	2025/05/09	<0.40		mg/L	
9926208	GID	RPD	Dissolved Organic Carbon	2025/05/09	1.3		%	20
9926210	GID	Matrix Spike	Dissolved Organic Carbon	2025/05/10		92	%	80 - 120
9926210	GID	Spiked Blank	Dissolved Organic Carbon	2025/05/09		95	%	80 - 120
9926210	GID	Method Blank	Dissolved Organic Carbon	2025/05/09	<0.40		mg/L	
9926210	GID	RPD	Dissolved Organic Carbon	2025/05/10	5.4		%	20
9926448	C_N	Matrix Spike [AQRS12-01]	Nitrite (N)	2025/05/12		98	%	80 - 120
			Nitrate (N)	2025/05/12		94	%	80 - 120
9926448	C_N	Spiked Blank	Nitrite (N)	2025/05/12		98	%	80 - 120
			Nitrate (N)	2025/05/12		95	%	80 - 120
9926448	C_N	Method Blank	Nitrite (N)	2025/05/12	<0.010		mg/L	
			Nitrate (N)	2025/05/12	<0.10		mg/L	
9926448	C_N	RPD [AQRS12-01]	Nitrite (N)	2025/05/12	NC		%	20
			Nitrate (N)	2025/05/12	NC		%	20
9926451	MJ1	Matrix Spike [AQRS08-01]	Orthophosphate (P)	2025/05/12		89	%	75 - 125
9926451	MJ1	Spiked Blank	Orthophosphate (P)	2025/05/12		93	%	80 - 120
9926451	MJ1	Method Blank	Orthophosphate (P)	2025/05/12	<0.010		mg/L	
9926451	MJ1	RPD [AQRS08-01]	Orthophosphate (P)	2025/05/12	NC		%	20
9926452	MJ1	Matrix Spike [AQRS08-01]	Dissolved Chloride (Cl-)	2025/05/12		NC	%	80 - 120
9926452	MJ1	Spiked Blank	Dissolved Chloride (Cl-)	2025/05/12		100	%	80 - 120
9926452	MJ1	Method Blank	Dissolved Chloride (Cl-)	2025/05/12	<1.0		mg/L	
9926452	MJ1	RPD [AQRS08-01]	Dissolved Chloride (Cl-)	2025/05/12	1.3		%	20
9926453	MJ1	Matrix Spike [AQRS08-01]	Dissolved Sulphate (SO4)	2025/05/12		NC	%	75 - 125
9926453	MJ1	Spiked Blank	Dissolved Sulphate (SO4)	2025/05/12		97	%	80 - 120
9926453	MJ1	Method Blank	Dissolved Sulphate (SO4)	2025/05/12	<1.0		mg/L	
9926453	MJ1	RPD [AQRS08-01]	Dissolved Sulphate (SO4)	2025/05/12	7.7		%	20
9926464	NGI	Matrix Spike [AQRR96-01]	Fluoride (F-)	2025/05/13		104	%	80 - 120
9926464	NGI	Spiked Blank	Fluoride (F-)	2025/05/13		100	%	80 - 120
9926464	NGI	Method Blank	Fluoride (F-)	2025/05/13	<0.10		mg/L	

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9926464	NGI	RPD [AQRR96-01]	Fluoride (F-)	2025/05/13	6.6		%	20
9926465	GTK	Spiked Blank	Alkalinity (Total as CaCO3)	2025/05/12		97	%	85 - 115
9926465	GTK	Method Blank	Alkalinity (Total as CaCO3)	2025/05/12	<1.0		mg/L	
9926465	GTK	RPD [AQRR96-01]	Alkalinity (Total as CaCO3)	2025/05/12	2.0		%	20
9926466	GTK	Spiked Blank	Conductivity	2025/05/12		100	%	85 - 115
9926466	GTK	Method Blank	Conductivity	2025/05/12	<2.0		umho/cm	
9926466	GTK	RPD [AQRR96-01]	Conductivity	2025/05/12	0		%	10
9926467	GTK	Spiked Blank	pH	2025/05/12		102	%	98 - 103
9926467	GTK	RPD [AQRR96-01]	pH	2025/05/12	0.62		%	N/A
9926852	MUM	Matrix Spike [AQRR96-04]	Total Ammonia-N	2025/05/12		104	%	75 - 125
9926852	MUM	Spiked Blank	Total Ammonia-N	2025/05/12		103	%	80 - 120
9926852	MUM	Method Blank	Total Ammonia-N	2025/05/12	<0.050		mg/L	
9926852	MUM	RPD [AQRR96-04]	Total Ammonia-N	2025/05/12	NC		%	20
9927690	GID	Spiked Blank	Colour	2025/05/13		98	%	80 - 120
9927690	GID	Method Blank	Colour	2025/05/13	<2		TCU	
9927690	GID	RPD [AQRS13-01]	Colour	2025/05/13	NC		%	25

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) Matrix Spike exceeds acceptance limits, probable matrix interference

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VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Cristina Carriere

Cristina Carriere, Senior Scientific Specialist

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Exceedance Summary Table – ODWS (2002)

Result Exceedances

Sample ID	Bureau Veritas ID	Parameter	Criteria	Result	DL	UNITS
OW7-1	AQRS06-01	Fluoride (F-)	1.5	1.9	0.10	mg/L
OW7-2	AQRS07-01	Fluoride (F-)	1.5	2.0	0.10	mg/L

The exceedance summary table is for information purposes only and should not be considered a comprehensive listing or statement of conformance to applicable regulatory guidelines.

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Your Project #: CA0052306.5688
Site#: McCarthy
Site Location: McCarthy
Your C.O.C. #: C#1064282-01-01

Attention: Colin Imrie

WSP Canada Inc.
121 Commerce Park Drive
Unit L
Barrie, ON
CANADA L4N 8X1

Report Date: 2025/10/28
Report #: R8639759
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5D0373
Received: 2025/10/16, 13:15

Sample Matrix: Water
Samples Received: 4

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity	1	N/A	2025/10/21	CAM SOP-00448	SM 24 2320 B m
Alkalinity	3	N/A	2025/10/22	CAM SOP-00448	SM 24 2320 B m
Carbonate, Bicarbonate and Hydroxide	1	N/A	2025/10/21	CAM SOP-00102	APHA 4500-CO2 D
Carbonate, Bicarbonate and Hydroxide	3	N/A	2025/10/22	CAM SOP-00102	APHA 4500-CO2 D
Chloride by Automated Colourimetry	1	N/A	2025/10/21	CAM SOP-00463	SM 24 4500-Cl E m
Chloride by Automated Colourimetry	3	N/A	2025/10/22	CAM SOP-00463	SM 24 4500-Cl E m
Colour	4	N/A	2025/10/20	CAM SOP-00412	SM 24 2120C m
Conductivity	1	N/A	2025/10/21	CAM SOP-00414	SM 24 2510 m
Conductivity	3	N/A	2025/10/22	CAM SOP-00414	SM 24 2510 m
Dissolved Organic Carbon (DOC) (1)	4	N/A	2025/10/20	CAM SOP-00446	SM 24 5310 B m
Fluoride	1	2025/10/18	2025/10/21	CAM SOP-00449	SM 24 4500-F C m
Fluoride	3	2025/10/18	2025/10/22	CAM SOP-00449	SM 24 4500-F C m
Hardness (calculated as CaCO3)	4	N/A	2025/10/21	CAM SOP 00102/00408/00447	SM 2340 B
Dissolved Metals by ICPMS	4	N/A	2025/10/21	CAM SOP-00447	EPA 6020B m
Ion Balance (% Difference)	1	N/A	2025/10/21		
Ion Balance (% Difference)	3	N/A	2025/10/22		
Anion and Cation Sum	1	N/A	2025/10/21	CAM SOP-00102	SM 24 1030E m
Anion and Cation Sum	3	N/A	2025/10/22	CAM SOP-00102	SM 24 1030E m
Total Ammonia-N	4	N/A	2025/10/21	CAM SOP-00441	USGS I-2522-90 m
Nitrate & Nitrite as Nitrogen in Water (2)	4	N/A	2025/10/19	CAM SOP-00440	SM 24 4500-NO3I/NO2B
pH (3)	1	2025/10/18	2025/10/21	CAM SOP-00413	SM 24th - 4500H+ B
pH (3)	3	2025/10/18	2025/10/22	CAM SOP-00413	SM 24th - 4500H+ B
Orthophosphate	4	N/A	2025/10/21	CAM SOP-00461	SM 24 4500-P E
Sat. pH and Langelier Index (@ 20C)	1	N/A	2025/10/21		Auto Calc
Sat. pH and Langelier Index (@ 20C)	3	N/A	2025/10/22		Auto Calc
Sat. pH and Langelier Index (@ 4C)	1	N/A	2025/10/21		Auto Calc
Sat. pH and Langelier Index (@ 4C)	3	N/A	2025/10/22		Auto Calc
Sulphate by Automated Turbidimetry	1	N/A	2025/10/21	CAM SOP-00464	SM 24 4500-SO42- E m
Sulphate by Automated Turbidimetry	3	N/A	2025/10/22	CAM SOP-00464	SM 24 4500-SO42- E m

Your Project #: CA0052306.5688
Site#: McCarthy
Site Location: McCarthy
Your C.O.C. #: C#1064282-01-01

Attention: Colin Imrie

WSP Canada Inc.
121 Commerce Park Drive
Unit L
Barrie, ON
CANADA L4N 8X1

Report Date: 2025/10/28
Report #: R8639759
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5D0373
Received: 2025/10/16, 13:15

Sample Matrix: Water
Samples Received: 4

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Tannins & Lignins	4	N/A	2025/10/21	CAM SOP-00410	SM 24 5550 B m
Total Dissolved Solids (TDS calc)	1	N/A	2025/10/21		Auto Calc
Total Dissolved Solids (TDS calc)	3	N/A	2025/10/22		Auto Calc
Turbidity	4	N/A	2025/10/21	CAM SOP-00417	SM 24 2130 B

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) Dissolved Organic Carbon (DOC) present in the sample should be considered as non-purgeable DOC.
(2) Values for calculated parameters may not appear to add up due to rounding of raw data and significant figures.
(3) "The CCME method and Analytical Protocol (O. Reg 153/04, O. Reg. 406/19) requires pH to be analyzed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are reported past the CCME and Analytical Protocol (O. Reg 153/04, O. Reg. 406/19) holding time. Bureau Veritas endeavors to analyze samples as soon as possible after receipt."

Your Project #: CA0052306.5688
Site#: McCarthy
Site Location: McCarthy
Your C.O.C. #: C#1064282-01-01

Attention: Colin Imrie

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Report #: R8639759
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CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5D0373
Received: 2025/10/16, 13:15

Encryption Key

Keshani Vijh
Sr. Project Manager
28 Oct 2025 01:22:58

Please direct all questions regarding this Certificate of Analysis to:
Keshani Vijh, Sr. Project Manager
Email: keshani.vijh@bureauveritas.com
Phone# (905) 817-5700

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Bureau Veritas Job #: C5D0373
Report Date: 2025/10/28

WSP Canada Inc.
Client Project #: CA0052306.5688
Site Location: McCarthy
Sampler Initials: CI

RCAP - COMPREHENSIVE (WATER)

Bureau Veritas ID				AWGV86	AWGV87		AWGV88		
Sampling Date				2025/10/15 12:15	2025/10/15 12:30		2025/10/15 08:30		
COC Number				C#1064282-01-01	C#1064282-01-01		C#1064282-01-01		
	UNITS	MAC	A/O	DW1	DW2	QC Batch	DW3	RDL	QC Batch
Calculated Parameters									
Anion Sum	me/L	-	-	10.2	8.35	A034544	9.50	N/A	A034544
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	-	-	340	330	A034471	230	1.0	A034471
Calculated TDS	mg/L	-	500	**540**	440	A034549	**520**	1.0	A034549
Carb. Alkalinity (calc. as CaCO3)	mg/L	-	-	2.1	2.2	A034471	2.8	1.0	A034471
Cation Sum	me/L	-	-	10.2	8.14	A034544	9.70	N/A	A034544
Hardness (CaCO3)	mg/L	-	80:100	**400**	**370**	A034400	**190**	1.0	A034400
Ion Balance (% Difference)	%	-	-	0.0400	1.23	A034401	1.07	N/A	A034401
Langelier Index (@ 20C)	N/A	-	-	0.915	0.925	A034547	0.523		A034547
Langelier Index (@ 4C)	N/A	-	-	0.668	0.677	A034548	0.276		A034548
Saturation pH (@ 20C)	N/A	-	-	6.90	6.93	A034547	7.58		A034547
Saturation pH (@ 4C)	N/A	-	-	7.14	7.18	A034548	7.83		A034548
Inorganics									
Total Ammonia-N	mg/L	-	-	<0.050	<0.050	A035938	<0.050	0.050	A035938
Conductivity	umho/cm	-	-	1000	760	A035065	1000	2.0	A035065
Dissolved Organic Carbon	mg/L	-	5	0.84	1.8	A034682	0.49	0.40	A035044
Orthophosphate (P)	mg/L	-	-	<0.010	<0.010	A036420	<0.010	0.010	A036420
pH	pH	-	6.5:8.5	7.81	7.85	A035064	8.11		A035064
Dissolved Sulphate (SO4)	mg/L	-	500	29	49	A036422	2.5	1.0	A036422
Alkalinity (Total as CaCO3)	mg/L	-	30:500	340	330	A035063	230	1.0	A035063
Dissolved Chloride (Cl-)	mg/L	-	250	100	25	A036417	170	1.0	A036417
Nitrite (N)	mg/L	1	-	<0.010	<0.010	A034834	<0.010	0.010	A034834
Nitrate (N)	mg/L	10	-	<0.10	0.68	A034834	<0.10	0.10	A034834
Nitrate + Nitrite (N)	mg/L	10	-	<0.10	0.68	A034834	<0.10	0.10	A034834
Metals									
Dissolved Aluminum (Al)	ug/L	-	100	<4.9	<4.9	A034699	<4.9	4.9	A034699
Dissolved Antimony (Sb)	ug/L	6	-	<0.50	<0.50	A034699	<0.50	0.50	A034699
Dissolved Arsenic (As)	ug/L	10	-	<1.0	<1.0	A034699	<1.0	1.0	A034699

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)
N/A = Not Applicable

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Bureau Veritas Job #: C5D0373
Report Date: 2025/10/28

WSP Canada Inc.
Client Project #: CA0052306.5688
Site Location: McCarthy
Sampler Initials: CI

RCAP - COMPREHENSIVE (WATER)

Bureau Veritas ID				AWGV86	AWGV87		AWGV88		
Sampling Date				2025/10/15 12:15	2025/10/15 12:30		2025/10/15 08:30		
COC Number				C#1064282-01-01	C#1064282-01-01		C#1064282-01-01		
	UNITS	MAC	A/O	DW1	DW2	QC Batch	DW3	RDL	QC Batch
Dissolved Barium (Ba)	ug/L	1000	-	150	100	A034699	230	2.0	A034699
Dissolved Beryllium (Be)	ug/L	-	-	<0.40	<0.40	A034699	<0.40	0.40	A034699
Dissolved Boron (B)	ug/L	5000	-	38	23	A034699	810	10	A034699
Dissolved Cadmium (Cd)	ug/L	5	-	<0.090	<0.090	A034699	<0.090	0.090	A034699
Dissolved Calcium (Ca)	ug/L	-	-	110000	100000	A034699	33000	200	A034699
Dissolved Chromium (Cr)	ug/L	50	-	<5.0	<5.0	A034699	<5.0	5.0	A034699
Dissolved Cobalt (Co)	ug/L	-	-	<0.50	<0.50	A034699	<0.50	0.50	A034699
Dissolved Copper (Cu)	ug/L	-	1000	1.4	3.3	A034699	17	0.90	A034699
Dissolved Iron (Fe)	ug/L	-	300	<100	<100	A034699	<100	100	A034699
Dissolved Lead (Pb)	ug/L	10	-	<0.50	<0.50	A034699	<0.50	0.50	A034699
Dissolved Magnesium (Mg)	ug/L	-	-	28000	27000	A034699	26000	50	A034699
Dissolved Manganese (Mn)	ug/L	-	50	26	3.5	A034699	<2.0	2.0	A034699
Dissolved Molybdenum (Mo)	ug/L	-	-	<0.50	<0.50	A034699	<0.50	0.50	A034699
Dissolved Nickel (Ni)	ug/L	-	-	<1.0	<1.0	A034699	<1.0	1.0	A034699
Dissolved Phosphorus (P)	ug/L	-	-	<100	<100	A034699	<100	100	A034699
Dissolved Potassium (K)	ug/L	-	-	2200	4300	A034699	7200	200	A034699
Dissolved Selenium (Se)	ug/L	50	-	<2.0	<2.0	A034699	<2.0	2.0	A034699
Dissolved Silicon (Si)	ug/L	-	-	9000	6800	A034699	5100	50	A034699
Dissolved Silver (Ag)	ug/L	-	-	<0.090	<0.090	A034699	<0.090	0.090	A034699
Dissolved Sodium (Na)	ug/L	-	200000	51000	15000	A034699	130000	100	A034699
Dissolved Strontium (Sr)	ug/L	-	-	500	360	A034699	2600	1.0	A034699
Dissolved Thallium (Tl)	ug/L	-	-	<0.050	<0.050	A034699	<0.050	0.050	A034699
Dissolved Titanium (Ti)	ug/L	-	-	<5.0	<5.0	A034699	<5.0	5.0	A034699
Dissolved Uranium (U)	ug/L	20	-	1.7	0.90	A034699	<0.10	0.10	A034699
Dissolved Vanadium (V)	ug/L	-	-	<0.50	<0.50	A034699	<0.50	0.50	A034699
Dissolved Zinc (Zn)	ug/L	-	5000	<5.0	<5.0	A034699	360	5.0	A034699

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)

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Bureau Veritas Job #: C5D0373
Report Date: 2025/10/28

WSP Canada Inc.
Client Project #: CA0052306.5688
Site Location: McCarthy
Sampler Initials: CI

RCAP - COMPREHENSIVE (WATER)

Bureau Veritas ID				AWGW02			AWGW02		
Sampling Date				2025/10/15			2025/10/15		
COC Number				C#1064282-01-01			C#1064282-01-01		
	UNITS	MAC	A/O	DUP1	RDL	QC Batch	DUP1 Lab-Dup	RDL	QC Batch
Calculated Parameters									
Anion Sum	me/L	-	-	9.16	N/A	A034544			
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	-	-	220	1.0	A034471			
Calculated TDS	mg/L	-	500	**510**	1.0	A034549			
Carb. Alkalinity (calc. as CaCO3)	mg/L	-	-	2.4	1.0	A034471			
Cation Sum	me/L	-	-	9.61	N/A	A034544			
Hardness (CaCO3)	mg/L	-	80:100	**190**	1.0	A034400			
Ion Balance (% Difference)	%	-	-	2.41	N/A	A034401			
Langelier Index (@ 20C)	N/A	-	-	0.460		A034547			
Langelier Index (@ 4C)	N/A	-	-	0.212		A034548			
Saturation pH (@ 20C)	N/A	-	-	7.59		A034547			
Saturation pH (@ 4C)	N/A	-	-	7.84		A034548			
Inorganics									
Total Ammonia-N	mg/L	-	-	<0.050	0.050	A035938			
Conductivity	umho/cm	-	-	1000	2.0	A035100	1000	2.0	A035100
Dissolved Organic Carbon	mg/L	-	5	0.61	0.40	A035044			
Orthophosphate (P)	mg/L	-	-	<0.010	0.010	A036291	<0.010	0.010	A036291
pH	pH	-	6.5:8.5	8.05		A035103	8.11		A035103
Dissolved Sulphate (SO4)	mg/L	-	500	2.3	1.0	A036290	2.0	1.0	A036290
Alkalinity (Total as CaCO3)	mg/L	-	30:500	230	1.0	A035099	230	1.0	A035099
Dissolved Chloride (Cl-)	mg/L	-	250	160	1.0	A036276	160	1.0	A036276
Nitrite (N)	mg/L	1	-	<0.010	0.010	A034834			
Nitrate (N)	mg/L	10	-	<0.10	0.10	A034834			
Nitrate + Nitrite (N)	mg/L	10	-	<0.10	0.10	A034834			
Metals									
Dissolved Aluminum (Al)	ug/L	-	100	<4.9	4.9	A034699			
Dissolved Antimony (Sb)	ug/L	6	-	<0.50	0.50	A034699			

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)
N/A = Not Applicable

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Bureau Veritas Job #: C5D0373
Report Date: 2025/10/28

WSP Canada Inc.
Client Project #: CA0052306.5688
Site Location: McCarthy
Sampler Initials: CI

RCAP - COMPREHENSIVE (WATER)

Bureau Veritas ID				AWGW02			AWGW02		
Sampling Date				2025/10/15			2025/10/15		
COC Number				C#1064282-01-01			C#1064282-01-01		
	UNITS	MAC	A/O	DUP1	RDL	QC Batch	DUP1 Lab-Dup	RDL	QC Batch
Dissolved Arsenic (As)	ug/L	10	-	<1.0	1.0	A034699			
Dissolved Barium (Ba)	ug/L	1000	-	230	2.0	A034699			
Dissolved Beryllium (Be)	ug/L	-	-	<0.40	0.40	A034699			
Dissolved Boron (B)	ug/L	5000	-	800	10	A034699			
Dissolved Cadmium (Cd)	ug/L	5	-	<0.090	0.090	A034699			
Dissolved Calcium (Ca)	ug/L	-	-	34000	200	A034699			
Dissolved Chromium (Cr)	ug/L	50	-	<5.0	5.0	A034699			
Dissolved Cobalt (Co)	ug/L	-	-	<0.50	0.50	A034699			
Dissolved Copper (Cu)	ug/L	-	1000	18	0.90	A034699			
Dissolved Iron (Fe)	ug/L	-	300	<100	100	A034699			
Dissolved Lead (Pb)	ug/L	10	-	<0.50	0.50	A034699			
Dissolved Magnesium (Mg)	ug/L	-	-	25000	50	A034699			
Dissolved Manganese (Mn)	ug/L	-	50	<2.0	2.0	A034699			
Dissolved Molybdenum (Mo)	ug/L	-	-	<0.50	0.50	A034699			
Dissolved Nickel (Ni)	ug/L	-	-	<1.0	1.0	A034699			
Dissolved Phosphorus (P)	ug/L	-	-	<100	100	A034699			
Dissolved Potassium (K)	ug/L	-	-	7200	200	A034699			
Dissolved Selenium (Se)	ug/L	50	-	<2.0	2.0	A034699			
Dissolved Silicon (Si)	ug/L	-	-	5100	50	A034699			
Dissolved Silver (Ag)	ug/L	-	-	<0.090	0.090	A034699			
Dissolved Sodium (Na)	ug/L	-	200000	130000	100	A034699			
Dissolved Strontium (Sr)	ug/L	-	-	2500	1.0	A034699			
Dissolved Thallium (Tl)	ug/L	-	-	<0.050	0.050	A034699			
Dissolved Titanium (Ti)	ug/L	-	-	<5.0	5.0	A034699			
Dissolved Uranium (U)	ug/L	20	-	<0.10	0.10	A034699			
Dissolved Vanadium (V)	ug/L	-	-	<0.50	0.50	A034699			
Dissolved Zinc (Zn)	ug/L	-	5000	370	5.0	A034699			

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)

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Bureau Veritas Job #: C5D0373
Report Date: 2025/10/28

WSP Canada Inc.
Client Project #: CA0052306.5688
Site Location: McCarthy
Sampler Initials: CI

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID				AWGV86			AWGV86		
Sampling Date				2025/10/15 12:15			2025/10/15 12:15		
COC Number				C#1064282-01-01			C#1064282-01-01		
	UNITS	MAC	A/O	DW1	RDL	QC Batch	DW1 Lab-Dup	RDL	QC Batch
Inorganics									
Colour	TCU	-	5	<2	2	A035428			
Fluoride (F-)	mg/L	1.5	-	0.11	0.10	A035062			
Tannins & Lignins	mg/L	-	-	<0.2	0.2	A035500	<0.2	0.2	A035500
Turbidity	NTU	-	5	**19**	0.1	A036935	**21**	0.1	A036935

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)

Bureau Veritas ID				AWGV87			AWGV87		
Sampling Date				2025/10/15 12:30			2025/10/15 12:30		
COC Number				C#1064282-01-01			C#1064282-01-01		
	UNITS	MAC	A/O	DW2	RDL	QC Batch	DW2 Lab-Dup	RDL	QC Batch
Inorganics									
Colour	TCU	-	5	<2	2	A035428	<2	2	A035428
Fluoride (F-)	mg/L	1.5	-	0.10	0.10	A035062			
Tannins & Lignins	mg/L	-	-	<0.2	0.2	A035500			
Turbidity	NTU	-	5	0.3	0.1	A036935	0.4	0.1	A036935

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)

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Bureau Veritas Job #: C5D0373
Report Date: 2025/10/28

WSP Canada Inc.
Client Project #: CA0052306.5688
Site Location: McCarthy
Sampler Initials: CI

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID				AWGV88			AWGV88		
Sampling Date				2025/10/15 08:30			2025/10/15 08:30		
COC Number				C#1064282-01-01			C#1064282-01-01		
	UNITS	MAC	A/O	DW3	RDL	QC Batch	DW3 Lab-Dup	RDL	QC Batch
Inorganics									
Colour	TCU	-	5	<2	2	A035428			
Fluoride (F-)	mg/L	1.5	-	0.71	0.10	A035062			
Tannins & Lignins	mg/L	-	-	<0.2	0.2	A035500			
Turbidity	NTU	-	5	<0.1	0.1	A036935	<0.1	0.1	A036935

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)

Bureau Veritas ID				AWGW02			AWGW02		
Sampling Date				2025/10/15			2025/10/15		
COC Number				C#1064282-01-01			C#1064282-01-01		
	UNITS	MAC	A/O	DUP1	RDL	QC Batch	DUP1 Lab-Dup	RDL	QC Batch
Inorganics									
Colour	TCU	-	5	<2	2	A035428			
Fluoride (F-)	mg/L	1.5	-	0.73	0.10	A035101	0.72	0.10	A035101
Tannins & Lignins	mg/L	-	-	<0.2	0.2	A035500			
Turbidity	NTU	-	5	<0.1	0.1	A036935	<0.1	0.1	A036935

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)

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Bureau Veritas Job #: C5D0373
Report Date: 2025/10/28

WSP Canada Inc.
Client Project #: CA0052306.5688
Site Location: McCarthy
Sampler Initials: CI

TEST SUMMARY

Bureau Veritas ID: AWGV86
Sample ID: DW1
Matrix: Water

Collected: 2025/10/15
Shipped:
Received: 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	A035063	N/A	2025/10/22	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	A034471	N/A	2025/10/22	Automated Statchk
Chloride by Automated Colourimetry	SKAL	A036417	N/A	2025/10/22	Alina Dobreanu
Colour	SPEC	A035428	N/A	2025/10/20	Viorica Rotaru
Conductivity	AT	A035065	N/A	2025/10/22	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	A034682	N/A	2025/10/20	Gyulshen Idriz
Fluoride	ISE	A035062	2025/10/18	2025/10/22	Surinder Rai
Hardness (calculated as CaCO3)		A034400	N/A	2025/10/21	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	A034699	N/A	2025/10/21	Azita Fazaeli
Ion Balance (% Difference)	CALC	A034401	N/A	2025/10/22	Automated Statchk
Anion and Cation Sum	CALC	A034544	N/A	2025/10/22	Automated Statchk
Total Ammonia-N	SKAL/NH4	A035938	N/A	2025/10/21	Kruti Jitesh Patel
Nitrate & Nitrite as Nitrogen in Water	LACH	A034834	N/A	2025/10/19	Chandra Nandlal
pH	AT	A035064	2025/10/18	2025/10/22	Surinder Rai
Orthophosphate	SKAL	A036420	N/A	2025/10/21	Alina Dobreanu
Sat. pH and Langelier Index (@ 20C)	CALC	A034547	N/A	2025/10/22	Automated Statchk
Sat. pH and Langelier Index (@ 4C)	CALC	A034548	N/A	2025/10/22	Automated Statchk
Sulphate by Automated Turbidimetry	SKAL	A036422	N/A	2025/10/22	Massarat Jan
Tannins & Lignins	SPEC	A035500	N/A	2025/10/21	Viorica Rotaru
Total Dissolved Solids (TDS calc)	CALC	A034549	N/A	2025/10/22	Automated Statchk
Turbidity	AT	A036935	N/A	2025/10/21	Pinky joy JANABAN

Bureau Veritas ID: AWGV86 Dup
Sample ID: DW1
Matrix: Water

Collected: 2025/10/15
Shipped:
Received: 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Tannins & Lignins	SPEC	A035500	N/A	2025/10/21	Viorica Rotaru
Turbidity	AT	A036935	N/A	2025/10/21	Pinky joy JANABAN

Bureau Veritas ID: AWGV87
Sample ID: DW2
Matrix: Water

Collected: 2025/10/15
Shipped:
Received: 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	A035063	N/A	2025/10/22	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	A034471	N/A	2025/10/22	Automated Statchk
Chloride by Automated Colourimetry	SKAL	A036417	N/A	2025/10/22	Alina Dobreanu
Colour	SPEC	A035428	N/A	2025/10/20	Viorica Rotaru
Conductivity	AT	A035065	N/A	2025/10/22	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	A034682	N/A	2025/10/20	Gyulshen Idriz
Fluoride	ISE	A035062	2025/10/18	2025/10/22	Surinder Rai
Hardness (calculated as CaCO3)		A034400	N/A	2025/10/21	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	A034699	N/A	2025/10/21	Azita Fazaeli

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TEST SUMMARY

Bureau Veritas ID: AWGV87 **Collected:** 2025/10/15
Sample ID: DW2 **Shipped:**
Matrix: Water **Received:** 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Ion Balance (% Difference)	CALC	A034401	N/A	2025/10/22	Automated Statchk
Anion and Cation Sum	CALC	A034544	N/A	2025/10/22	Automated Statchk
Total Ammonia-N	SKAL/NH4	A035938	N/A	2025/10/21	Kruti Jitesh Patel
Nitrate & Nitrite as Nitrogen in Water	LACH	A034834	N/A	2025/10/19	Chandra Nandlal
pH	AT	A035064	2025/10/18	2025/10/22	Surinder Rai
Orthophosphate	SKAL	A036420	N/A	2025/10/21	Alina Dobreanu
Sat. pH and Langelier Index (@ 20C)	CALC	A034547	N/A	2025/10/22	Automated Statchk
Sat. pH and Langelier Index (@ 4C)	CALC	A034548	N/A	2025/10/22	Automated Statchk
Sulphate by Automated Turbidimetry	SKAL	A036422	N/A	2025/10/22	Massarat Jan
Tannins & Lignins	SPEC	A035500	N/A	2025/10/21	Viorica Rotaru
Total Dissolved Solids (TDS calc)	CALC	A034549	N/A	2025/10/22	Automated Statchk
Turbidity	AT	A036935	N/A	2025/10/21	Pinky joy JANABAN

Bureau Veritas ID: AWGV87 Dup **Collected:** 2025/10/15
Sample ID: DW2 **Shipped:**
Matrix: Water **Received:** 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Colour	SPEC	A035428	N/A	2025/10/20	Viorica Rotaru
Turbidity	AT	A036935	N/A	2025/10/21	Pinky joy JANABAN

Bureau Veritas ID: AWGV88 **Collected:** 2025/10/15
Sample ID: DW3 **Shipped:**
Matrix: Water **Received:** 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	A035063	N/A	2025/10/22	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	A034471	N/A	2025/10/22	Automated Statchk
Chloride by Automated Colourimetry	SKAL	A036417	N/A	2025/10/22	Alina Dobreanu
Colour	SPEC	A035428	N/A	2025/10/20	Viorica Rotaru
Conductivity	AT	A035065	N/A	2025/10/22	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	A035044	N/A	2025/10/20	Gyulshen Idriz
Fluoride	ISE	A035062	2025/10/18	2025/10/22	Surinder Rai
Hardness (calculated as CaCO3)		A034400	N/A	2025/10/21	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	A034699	N/A	2025/10/21	Azita Fazaeli
Ion Balance (% Difference)	CALC	A034401	N/A	2025/10/22	Automated Statchk
Anion and Cation Sum	CALC	A034544	N/A	2025/10/22	Automated Statchk
Total Ammonia-N	SKAL/NH4	A035938	N/A	2025/10/21	Kruti Jitesh Patel
Nitrate & Nitrite as Nitrogen in Water	LACH	A034834	N/A	2025/10/19	Chandra Nandlal
pH	AT	A035064	2025/10/18	2025/10/22	Surinder Rai
Orthophosphate	SKAL	A036420	N/A	2025/10/21	Alina Dobreanu
Sat. pH and Langelier Index (@ 20C)	CALC	A034547	N/A	2025/10/22	Automated Statchk
Sat. pH and Langelier Index (@ 4C)	CALC	A034548	N/A	2025/10/22	Automated Statchk
Sulphate by Automated Turbidimetry	SKAL	A036422	N/A	2025/10/22	Massarat Jan

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Bureau Veritas Job #: C5D0373
Report Date: 2025/10/28

WSP Canada Inc.
Client Project #: CA0052306.5688
Site Location: McCarthy
Sampler Initials: CI

TEST SUMMARY

Bureau Veritas ID: AWGV88 **Collected:** 2025/10/15
Sample ID: DW3 **Shipped:**
Matrix: Water **Received:** 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Tannins & Lignins	SPEC	A035500	N/A	2025/10/21	Viorica Rotaru
Total Dissolved Solids (TDS calc)	CALC	A034549	N/A	2025/10/22	Automated Statchk
Turbidity	AT	A036935	N/A	2025/10/21	Pinky joy JANABAN

Bureau Veritas ID: AWGV88 Dup **Collected:** 2025/10/15
Sample ID: DW3 **Shipped:**
Matrix: Water **Received:** 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Turbidity	AT	A036935	N/A	2025/10/21	Pinky joy JANABAN

Bureau Veritas ID: AWGW02 **Collected:** 2025/10/15
Sample ID: DUP1 **Shipped:**
Matrix: Water **Received:** 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	A035099	N/A	2025/10/21	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	A034471	N/A	2025/10/21	Automated Statchk
Chloride by Automated Colourimetry	SKAL	A036276	N/A	2025/10/21	Alina Dobreanu
Colour	SPEC	A035428	N/A	2025/10/20	Viorica Rotaru
Conductivity	AT	A035100	N/A	2025/10/21	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	A035044	N/A	2025/10/20	Gyulshen Idriz
Fluoride	ISE	A035101	2025/10/18	2025/10/21	Surinder Rai
Hardness (calculated as CaCO3)		A034400	N/A	2025/10/21	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	A034699	N/A	2025/10/21	Azita Fazaeli
Ion Balance (% Difference)	CALC	A034401	N/A	2025/10/21	Automated Statchk
Anion and Cation Sum	CALC	A034544	N/A	2025/10/21	Automated Statchk
Total Ammonia-N	SKAL/NH4	A035938	N/A	2025/10/21	Kruti Jitesh Patel
Nitrate & Nitrite as Nitrogen in Water	LACH	A034834	N/A	2025/10/19	Chandra Nandlal
pH	AT	A035103	2025/10/18	2025/10/21	Surinder Rai
Orthophosphate	SKAL	A036291	N/A	2025/10/21	Alina Dobreanu
Sat. pH and Langelier Index (@ 20C)	CALC	A034547	N/A	2025/10/21	Automated Statchk
Sat. pH and Langelier Index (@ 4C)	CALC	A034548	N/A	2025/10/21	Automated Statchk
Sulphate by Automated Turbidimetry	SKAL	A036290	N/A	2025/10/21	Massarat Jan
Tannins & Lignins	SPEC	A035500	N/A	2025/10/21	Viorica Rotaru
Total Dissolved Solids (TDS calc)	CALC	A034549	N/A	2025/10/21	Automated Statchk
Turbidity	AT	A036935	N/A	2025/10/21	Pinky joy JANABAN

Bureau Veritas ID: AWGW02 Dup **Collected:** 2025/10/15
Sample ID: DUP1 **Shipped:**
Matrix: Water **Received:** 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	A035099	N/A	2025/10/21	Surinder Rai

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Bureau Veritas Job #: C5D0373
Report Date: 2025/10/28

WSP Canada Inc.
Client Project #: CA0052306.5688
Site Location: McCarthy
Sampler Initials: CI

TEST SUMMARY

Bureau Veritas ID: AWGW02 Dup
Sample ID: DUP1
Matrix: Water

Collected: 2025/10/15
Shipped:
Received: 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Chloride by Automated Colourimetry	SKAL	A036276	N/A	2025/10/21	Alina Dobreanu
Conductivity	AT	A035100	N/A	2025/10/21	Surinder Rai
Fluoride	ISE	A035101	2025/10/18	2025/10/21	Surinder Rai
pH	AT	A035103	2025/10/18	2025/10/21	Surinder Rai
Orthophosphate	SKAL	A036291	N/A	2025/10/21	Alina Dobreanu
Sulphate by Automated Turbidimetry	SKAL	A036290	N/A	2025/10/21	Massarat Jan
Turbidity	AT	A036935	N/A	2025/10/21	Pinky joy JANABAN

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GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	6.0°C
Package 2	6.0°C

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A034682	GID	Matrix Spike	Dissolved Organic Carbon	2025/10/20		92	%	80 - 120
A034682	GID	Spiked Blank	Dissolved Organic Carbon	2025/10/20		97	%	80 - 120
A034682	GID	Method Blank	Dissolved Organic Carbon	2025/10/20	<0.40		mg/L	
A034682	GID	RPD	Dissolved Organic Carbon	2025/10/20	3.7		%	20
A034699	AFZ	Matrix Spike [AWGV99-04]	Dissolved Aluminum (Al)	2025/10/17		105	%	80 - 120
			Dissolved Antimony (Sb)	2025/10/17		112	%	80 - 120
			Dissolved Arsenic (As)	2025/10/17		102	%	80 - 120
			Dissolved Barium (Ba)	2025/10/17		103	%	80 - 120
			Dissolved Beryllium (Be)	2025/10/17		102	%	80 - 120
			Dissolved Boron (B)	2025/10/17		NC	%	80 - 120
			Dissolved Cadmium (Cd)	2025/10/17		104	%	80 - 120
			Dissolved Calcium (Ca)	2025/10/17		NC	%	80 - 120
			Dissolved Chromium (Cr)	2025/10/17		99	%	80 - 120
			Dissolved Cobalt (Co)	2025/10/17		99	%	80 - 120
			Dissolved Copper (Cu)	2025/10/17		101	%	80 - 120
			Dissolved Iron (Fe)	2025/10/17		101	%	80 - 120
			Dissolved Lead (Pb)	2025/10/17		98	%	80 - 120
			Dissolved Magnesium (Mg)	2025/10/17		NC	%	80 - 120
			Dissolved Manganese (Mn)	2025/10/17		100	%	80 - 120
			Dissolved Molybdenum (Mo)	2025/10/17		105	%	80 - 120
			Dissolved Nickel (Ni)	2025/10/17		98	%	80 - 120
			Dissolved Phosphorus (P)	2025/10/17		108	%	80 - 120
			Dissolved Potassium (K)	2025/10/17		103	%	80 - 120
			Dissolved Selenium (Se)	2025/10/17		103	%	80 - 120
			Dissolved Silicon (Si)	2025/10/17		103	%	80 - 120
			Dissolved Silver (Ag)	2025/10/17		70 (1)	%	80 - 120
			Dissolved Sodium (Na)	2025/10/17		NC	%	80 - 120
			Dissolved Strontium (Sr)	2025/10/17		NC	%	80 - 120
			Dissolved Thallium (Tl)	2025/10/17		98	%	80 - 120
			Dissolved Titanium (Ti)	2025/10/17		102	%	80 - 120
			Dissolved Uranium (U)	2025/10/17		104	%	80 - 120
			Dissolved Vanadium (V)	2025/10/17		102	%	80 - 120
			Dissolved Zinc (Zn)	2025/10/17		100	%	80 - 120
A034699	AFZ	Spiked Blank	Dissolved Aluminum (Al)	2025/10/17		105	%	80 - 120
			Dissolved Antimony (Sb)	2025/10/17		107	%	80 - 120
			Dissolved Arsenic (As)	2025/10/17		99	%	80 - 120
			Dissolved Barium (Ba)	2025/10/17		99	%	80 - 120
			Dissolved Beryllium (Be)	2025/10/17		102	%	80 - 120
			Dissolved Boron (B)	2025/10/17		97	%	80 - 120
			Dissolved Cadmium (Cd)	2025/10/17		100	%	80 - 120
			Dissolved Calcium (Ca)	2025/10/17		107	%	80 - 120
			Dissolved Chromium (Cr)	2025/10/17		98	%	80 - 120
			Dissolved Cobalt (Co)	2025/10/17		98	%	80 - 120
			Dissolved Copper (Cu)	2025/10/17		99	%	80 - 120
			Dissolved Iron (Fe)	2025/10/17		102	%	80 - 120
			Dissolved Lead (Pb)	2025/10/17		98	%	80 - 120
			Dissolved Magnesium (Mg)	2025/10/17		97	%	80 - 120
			Dissolved Manganese (Mn)	2025/10/17		101	%	80 - 120
			Dissolved Molybdenum (Mo)	2025/10/17		101	%	80 - 120
			Dissolved Nickel (Ni)	2025/10/17		98	%	80 - 120

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Dissolved Phosphorus (P)	2025/10/17		98	%	80 - 120
			Dissolved Potassium (K)	2025/10/17		99	%	80 - 120
			Dissolved Selenium (Se)	2025/10/17		103	%	80 - 120
			Dissolved Silicon (Si)	2025/10/17		105	%	80 - 120
			Dissolved Silver (Ag)	2025/10/17		96	%	80 - 120
			Dissolved Sodium (Na)	2025/10/17		100	%	80 - 120
			Dissolved Strontium (Sr)	2025/10/17		102	%	80 - 120
			Dissolved Thallium (Tl)	2025/10/17		98	%	80 - 120
			Dissolved Titanium (Ti)	2025/10/17		103	%	80 - 120
			Dissolved Uranium (U)	2025/10/17		104	%	80 - 120
			Dissolved Vanadium (V)	2025/10/17		98	%	80 - 120
			Dissolved Zinc (Zn)	2025/10/17		100	%	80 - 120
A034699	AFZ	Method Blank	Dissolved Aluminum (Al)	2025/10/17	<4.9		ug/L	
			Dissolved Antimony (Sb)	2025/10/17	<0.50		ug/L	
			Dissolved Arsenic (As)	2025/10/17	<1.0		ug/L	
			Dissolved Barium (Ba)	2025/10/17	<2.0		ug/L	
			Dissolved Beryllium (Be)	2025/10/17	<0.40		ug/L	
			Dissolved Boron (B)	2025/10/17	<10		ug/L	
			Dissolved Cadmium (Cd)	2025/10/17	<0.090		ug/L	
			Dissolved Calcium (Ca)	2025/10/17	<200		ug/L	
			Dissolved Chromium (Cr)	2025/10/17	<5.0		ug/L	
			Dissolved Cobalt (Co)	2025/10/17	<0.50		ug/L	
			Dissolved Copper (Cu)	2025/10/17	<0.90		ug/L	
			Dissolved Iron (Fe)	2025/10/17	<100		ug/L	
			Dissolved Lead (Pb)	2025/10/17	<0.50		ug/L	
			Dissolved Magnesium (Mg)	2025/10/17	<50		ug/L	
			Dissolved Manganese (Mn)	2025/10/17	<2.0		ug/L	
			Dissolved Molybdenum (Mo)	2025/10/17	<0.50		ug/L	
			Dissolved Nickel (Ni)	2025/10/17	<1.0		ug/L	
			Dissolved Phosphorus (P)	2025/10/17	<100		ug/L	
			Dissolved Potassium (K)	2025/10/17	<200		ug/L	
			Dissolved Selenium (Se)	2025/10/17	<2.0		ug/L	
			Dissolved Silicon (Si)	2025/10/17	<50		ug/L	
			Dissolved Silver (Ag)	2025/10/17	<0.090		ug/L	
			Dissolved Sodium (Na)	2025/10/17	<100		ug/L	
			Dissolved Strontium (Sr)	2025/10/17	<1.0		ug/L	
			Dissolved Thallium (Tl)	2025/10/17	<0.050		ug/L	
			Dissolved Titanium (Ti)	2025/10/17	<5.0		ug/L	
			Dissolved Uranium (U)	2025/10/17	<0.10		ug/L	
			Dissolved Vanadium (V)	2025/10/17	<0.50		ug/L	
			Dissolved Zinc (Zn)	2025/10/17	<5.0		ug/L	
A034699	AFZ	RPD [AWGV99-04]	Dissolved Calcium (Ca)	2025/10/17	0.24		%	20
			Dissolved Magnesium (Mg)	2025/10/17	0.40		%	20
			Dissolved Phosphorus (P)	2025/10/17	NC		%	20
			Dissolved Potassium (K)	2025/10/17	0.45		%	20
			Dissolved Sodium (Na)	2025/10/17	0.36		%	20
A034834	C_N	Matrix Spike	Nitrite (N)	2025/10/19		101	%	80 - 120
			Nitrate (N)	2025/10/19		99	%	80 - 120
A034834	C_N	Spiked Blank	Nitrite (N)	2025/10/19		103	%	80 - 120
			Nitrate (N)	2025/10/19		100	%	80 - 120
A034834	C_N	Method Blank	Nitrite (N)	2025/10/19	<0.010		mg/L	

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Nitrate (N)	2025/10/19	<0.10		mg/L	
A034834	C_N	RPD	Nitrite (N)	2025/10/19	NC		%	20
			Nitrate (N)	2025/10/19	0.52		%	20
A035044	GID	Matrix Spike [AWGV94-02]	Dissolved Organic Carbon	2025/10/20		91	%	80 - 120
A035044	GID	Spiked Blank	Dissolved Organic Carbon	2025/10/20		96	%	80 - 120
A035044	GID	Method Blank	Dissolved Organic Carbon	2025/10/20	<0.40		mg/L	
A035044	GID	RPD [AWGV94-02]	Dissolved Organic Carbon	2025/10/20	2.7		%	20
A035062	SAU	Matrix Spike [AWGV94-01]	Fluoride (F-)	2025/10/21		97	%	80 - 120
A035062	SAU	Spiked Blank	Fluoride (F-)	2025/10/21		99	%	80 - 120
A035062	SAU	Method Blank	Fluoride (F-)	2025/10/21	<0.10		mg/L	
A035062	SAU	RPD [AWGV94-01]	Fluoride (F-)	2025/10/21	0.95		%	20
A035063	SAU	Spiked Blank	Alkalinity (Total as CaCO3)	2025/10/21		96	%	85 - 115
A035063	SAU	Method Blank	Alkalinity (Total as CaCO3)	2025/10/21	<1.0		mg/L	
A035063	SAU	RPD [AWGV94-01]	Alkalinity (Total as CaCO3)	2025/10/21	2.0		%	20
A035064	SAU	Spiked Blank	pH	2025/10/21		102	%	98 - 103
A035064	SAU	RPD [AWGV94-01]	pH	2025/10/21	0.59		%	N/A
A035065	SAU	Spiked Blank	Conductivity	2025/10/21		101	%	85 - 115
A035065	SAU	Method Blank	Conductivity	2025/10/21	<2.0		umho/cm	
A035065	SAU	RPD [AWGV94-01]	Conductivity	2025/10/21	0.54		%	10
A035099	SAU	Spiked Blank	Alkalinity (Total as CaCO3)	2025/10/21		96	%	85 - 115
A035099	SAU	Method Blank	Alkalinity (Total as CaCO3)	2025/10/21	<1.0		mg/L	
A035099	SAU	RPD [AWGW02-01]	Alkalinity (Total as CaCO3)	2025/10/21	0.53		%	20
A035100	SAU	Spiked Blank	Conductivity	2025/10/21		101	%	85 - 115
A035100	SAU	Method Blank	Conductivity	2025/10/21	<2.0		umho/cm	
A035100	SAU	RPD [AWGW02-01]	Conductivity	2025/10/21	0.20		%	10
A035101	SAU	Matrix Spike [AWGW02-01]	Fluoride (F-)	2025/10/21		90	%	80 - 120
A035101	SAU	Spiked Blank	Fluoride (F-)	2025/10/21		99	%	80 - 120
A035101	SAU	Method Blank	Fluoride (F-)	2025/10/21	<0.10		mg/L	
A035101	SAU	RPD [AWGW02-01]	Fluoride (F-)	2025/10/21	0.48		%	20
A035103	SAU	Spiked Blank	pH	2025/10/21		102	%	98 - 103
A035103	SAU	RPD [AWGW02-01]	pH	2025/10/21	0.74		%	N/A
A035428	VRO	Spiked Blank	Colour	2025/10/20		99	%	80 - 120
A035428	VRO	Method Blank	Colour	2025/10/20	<2		TCU	
A035428	VRO	RPD [AWGV87-01]	Colour	2025/10/20	NC		%	25
A035500	VRO	Matrix Spike [AWGV86-05]	Tannins & Lignins	2025/10/21		98	%	80 - 120
A035500	VRO	Spiked Blank	Tannins & Lignins	2025/10/21		96	%	80 - 120
A035500	VRO	Method Blank	Tannins & Lignins	2025/10/21	<0.2		mg/L	
A035500	VRO	RPD [AWGV86-05]	Tannins & Lignins	2025/10/21	NC		%	20
A035938	KJP	Matrix Spike [AWGW03-03]	Total Ammonia-N	2025/10/21		102	%	75 - 125
A035938	KJP	Spiked Blank	Total Ammonia-N	2025/10/21		97	%	80 - 120
A035938	KJP	Method Blank	Total Ammonia-N	2025/10/21	<0.050		mg/L	
A035938	KJP	RPD [AWGW03-03]	Total Ammonia-N	2025/10/21	0.035		%	20
A036276	ADB	Matrix Spike [AWGW02-01]	Dissolved Chloride (Cl-)	2025/10/21		NC	%	80 - 120
A036276	ADB	Spiked Blank	Dissolved Chloride (Cl-)	2025/10/21		95	%	80 - 120
A036276	ADB	Method Blank	Dissolved Chloride (Cl-)	2025/10/21	<1.0		mg/L	

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A036276	ADB	RPD	Dissolved Chloride (Cl-)	2025/10/21	0.39		%	20
			Dissolved Chloride (Cl-)	2025/10/21	0.84		%	20
			Dissolved Chloride (Cl-)	2025/10/21	0.90		%	20
			Dissolved Chloride (Cl-)	2025/10/21	NC		%	20
A036276	ADB	RPD [AWGW02-01]	Dissolved Chloride (Cl-)	2025/10/21	0.97		%	20
A036290	MJ1	Matrix Spike [AWGW02-01]	Dissolved Sulphate (SO4)	2025/10/21		98	%	75 - 125
A036290	MJ1	Spiked Blank	Dissolved Sulphate (SO4)	2025/10/21		98	%	80 - 120
A036290	MJ1	Method Blank	Dissolved Sulphate (SO4)	2025/10/21	<1.0		mg/L	
A036290	MJ1	RPD	Dissolved Sulphate (SO4)	2025/10/21	0.53		%	20
			Dissolved Sulphate (SO4)	2025/10/21	1.9		%	20
			Dissolved Sulphate (SO4)	2025/10/21	1.7		%	20
			Dissolved Sulphate (SO4)	2025/10/21	2.6		%	20
A036290	MJ1	RPD [AWGW02-01]	Dissolved Sulphate (SO4)	2025/10/21	17		%	20
A036291	ADB	Matrix Spike [AWGW02-01]	Orthophosphate (P)	2025/10/21		94	%	75 - 125
A036291	ADB	Spiked Blank	Orthophosphate (P)	2025/10/21		94	%	80 - 120
A036291	ADB	Method Blank	Orthophosphate (P)	2025/10/21	<0.010		mg/L	
A036291	ADB	RPD	Orthophosphate (P)	2025/10/21	NC		%	20
A036291	ADB	RPD [AWGW02-01]	Orthophosphate (P)	2025/10/21	NC		%	20
A036417	ADB	Matrix Spike	Dissolved Chloride (Cl-)	2025/10/22		NC	%	80 - 120
A036417	ADB	Spiked Blank	Dissolved Chloride (Cl-)	2025/10/22		101	%	80 - 120
A036417	ADB	Method Blank	Dissolved Chloride (Cl-)	2025/10/22	<1.0		mg/L	
A036417	ADB	RPD	Dissolved Chloride (Cl-)	2025/10/22	0.46		%	20
A036420	ADB	Matrix Spike	Orthophosphate (P)	2025/10/21		87	%	75 - 125
A036420	ADB	Spiked Blank	Orthophosphate (P)	2025/10/21		97	%	80 - 120
A036420	ADB	Method Blank	Orthophosphate (P)	2025/10/21	<0.010		mg/L	
A036420	ADB	RPD	Orthophosphate (P)	2025/10/21	0.78		%	20
A036422	MJ1	Matrix Spike	Dissolved Sulphate (SO4)	2025/10/22		97	%	75 - 125
A036422	MJ1	Spiked Blank	Dissolved Sulphate (SO4)	2025/10/22		97	%	80 - 120
A036422	MJ1	Method Blank	Dissolved Sulphate (SO4)	2025/10/22	<1.0		mg/L	
A036422	MJ1	RPD	Dissolved Sulphate (SO4)	2025/10/22	6.1		%	20
A036935	JOY	Spiked Blank	Turbidity	2025/10/21		94	%	80 - 120
A036935	JOY	Method Blank	Turbidity	2025/10/21	<0.1		NTU	
A036935	JOY	RPD [AWGV86-01]	Turbidity	2025/10/21	14		%	20
A036935	JOY	RPD [AWGV87-01]	Turbidity	2025/10/21	NC		%	20
A036935	JOY	RPD [AWGV88-01]	Turbidity	2025/10/21	NC		%	20
A036935	JOY	RPD [AWGW02-01]	Turbidity	2025/10/21	NC		%	20
A036935	JOY	RPD	Turbidity	2025/10/21	9.9		%	20
			Turbidity	2025/10/21	3.3		%	20
			Turbidity	2025/10/21	6.5		%	20
			Turbidity	2025/10/21	9.6		%	20

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Turbidity	2025/10/21	3.6		%	20

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

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Bureau Veritas Job #: C5D0373
Report Date: 2025/10/28

WSP Canada Inc.
Client Project #: CA0052306.5688
Site Location: McCarthy
Sampler Initials: CI

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Louise Harding, Scientific Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

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Exceedance Summary Table – ODWS (2002)

Result Exceedances

Sample ID	Bureau Veritas ID	Parameter	Criteria	Result	DL	UNITS
No Exceedances						

The exceedance summary table is for information purposes only and should not be considered a comprehensive listing or statement of conformance to applicable regulatory guidelines.

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Your Project #: CA0052306.5688
Site#: McCarthy
Site Location: McCarthy
Your C.O.C. #: C#1064282-01-01

Attention: Colin Imrie

WSP Canada Inc.
121 Commerce Park Drive
Unit L
Barrie, ON
CANADA L4N 8X1

Report Date: 2025/10/28
Report #: R8639760
Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C5D0373
Received: 2025/10/16, 13:15

Sample Matrix: Water
Samples Received: 15

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity	10	N/A	2025/10/21	CAM SOP-00448	SM 24 2320 B m
Alkalinity	5	N/A	2025/10/22	CAM SOP-00448	SM 24 2320 B m
Carbonate, Bicarbonate and Hydroxide	15	N/A	2025/10/22	CAM SOP-00102	APHA 4500-CO2 D
Chloride by Automated Colourimetry	15	N/A	2025/10/22	CAM SOP-00463	SM 24 4500-Cl E m
Colour	15	N/A	2025/10/20	CAM SOP-00412	SM 24 2120C m
Conductivity	10	N/A	2025/10/21	CAM SOP-00414	SM 24 2510 m
Conductivity	5	N/A	2025/10/22	CAM SOP-00414	SM 24 2510 m
Dissolved Organic Carbon (DOC) (1)	3	N/A	2025/10/19	CAM SOP-00446	SM 24 5310 B m
Dissolved Organic Carbon (DOC) (1)	12	N/A	2025/10/20	CAM SOP-00446	SM 24 5310 B m
Fluoride	10	2025/10/18	2025/10/21	CAM SOP-00449	SM 24 4500-F C m
Fluoride	5	2025/10/18	2025/10/22	CAM SOP-00449	SM 24 4500-F C m
Hardness (calculated as CaCO3)	15	N/A	2025/10/21	CAM SOP 00102/00408/00447	SM 2340 B
Dissolved Metals by ICPMS	12	N/A	2025/10/17	CAM SOP-00447	EPA 6020B m
Dissolved Metals by ICPMS	3	N/A	2025/10/21	CAM SOP-00447	EPA 6020B m
Total Ammonia-N	15	N/A	2025/10/21	CAM SOP-00441	USGS I-2522-90 m
Nitrate & Nitrite as Nitrogen in Water (2)	15	N/A	2025/10/19	CAM SOP-00440	SM 24 4500-NO3I/NO2B
pH (3)	10	2025/10/18	2025/10/21	CAM SOP-00413	SM 24th - 4500H+ B
pH (3)	5	2025/10/18	2025/10/22	CAM SOP-00413	SM 24th - 4500H+ B
Orthophosphate	15	N/A	2025/10/21	CAM SOP-00461	SM 24 4500-P E
Sulphate by Automated Turbidimetry	15	N/A	2025/10/22	CAM SOP-00464	SM 24 4500-SO42- E m
Total Dissolved Solids (TDS calc)	15	N/A	2025/10/22		Auto Calc

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement

Your Project #: CA0052306.5688
Site#: McCarthy
Site Location: McCarthy
Your C.O.C. #: C#1064282-01-01

Attention: Colin Imrie

WSP Canada Inc.
121 Commerce Park Drive
Unit L
Barrie, ON
CANADA L4N 8X1

Report Date: 2025/10/28
Report #: R8639760
Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C5D0373
Received: 2025/10/16, 13:15

Uncertainty has not been accounted for when stating conformity to the referenced standard.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) Dissolved Organic Carbon (DOC) present in the sample should be considered as non-purgeable DOC.
(2) Values for calculated parameters may not appear to add up due to rounding of raw data and significant figures.
(3) "The CCME method and Analytical Protocol (O. Reg 153/04, O. Reg. 406/19) requires pH to be analyzed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are reported past the CCME and Analytical Protocol (O. Reg 153/04, O. Reg. 406/19) holding time. Bureau Veritas endeavors to analyze samples as soon as possible after receipt."

Encryption Key

Keshani Vijh
Sr. Project Manager
28 Oct 2025 01:29:20

Please direct all questions regarding this Certificate of Analysis to:
Keshani Vijh, Sr. Project Manager
Email: keshani.vijh@bureauveritas.com
Phone# (905) 817-5700

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Bureau Veritas Job #: C5D0373
Report Date: 2025/10/28

WSP Canada Inc.
Client Project #: CA0052306.5688
Site Location: McCarthy
Sampler Initials: CI

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID				AWGV89			AWGV90		
Sampling Date				2025/10/15 11:00			2025/10/15 11:00		
COC Number				C#1064282-01-01			C#1064282-01-01		
	UNITS	MAC	A/O	AM1B	RDL	QC Batch	AMX-R	RDL	QC Batch
Calculated Parameters									
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	-	-	280	1.0	A034471	190	1.0	A034471
Calculated TDS	mg/L	-	500	340	1.0	A034549	**1900**	1.0	A034549
Hardness (CaCO3)	mg/L	-	80:100	**320**	1.0	A034400	**550**	1.0	A034400
Inorganics									
Total Ammonia-N	mg/L	-	-	0.068	0.050	A035938	1.9	0.050	A035938
Colour	TCU	-	5	<2	2	A035428	<2	2	A035428
Conductivity	umho/cm	-	-	590	2.0	A035065	3900	2.0	A035065
Fluoride (F-)	mg/L	1.5	-	0.18	0.10	A035062	1.5	0.10	A035062
Dissolved Organic Carbon	mg/L	-	5	0.84	0.40	A035044	1.6	0.40	A035023
Orthophosphate (P)	mg/L	-	-	<0.010	0.010	A035068	<0.010	0.010	A035068
pH	pH	-	6.5:8.5	7.81		A035064	7.50		A035064
Dissolved Sulphate (SO4)	mg/L	-	500	34	1.0	A035069	1.4	1.0	A035069
Alkalinity (Total as CaCO3)	mg/L	-	30:500	290	1.0	A035063	200	1.0	A035063
Dissolved Chloride (Cl-)	mg/L	-	250	<1.0	1.0	A035067	**1100**	20	A035067
Nitrite (N)	mg/L	1	-	<0.010	0.010	A035006	<0.010	0.010	A035006
Nitrate (N)	mg/L	10	-	<0.10	0.10	A035006	<0.10	0.10	A035006
Nitrate + Nitrite (N)	mg/L	10	-	<0.10	0.10	A035006	<0.10	0.10	A035006

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)

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Bureau Veritas Job #: C5D0373
Report Date: 2025/10/28

WSP Canada Inc.
Client Project #: CA0052306.5688
Site Location: McCarthy
Sampler Initials: CI

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID				AWGV91			AWGV92		
Sampling Date				2025/10/15 15:00			2025/10/15 09:45		
COC Number				C#1064282-01-01			C#1064282-01-01		
	UNITS	MAC	A/O	TW1-1	RDL	QC Batch	BORED	RDL	QC Batch
Calculated Parameters									
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	-	-	310	1.0	A034471	280	1.0	A034471
Calculated TDS	mg/L	-	500	**990**	1.0	A034549	340	1.0	A034549
Hardness (CaCO3)	mg/L	-	80:100	**480**	1.0	A034400	**280**	1.0	A034400
Inorganics									
Total Ammonia-N	mg/L	-	-	0.72	0.050	A035938	<0.050	0.050	A035938
Colour	TCU	-	5	<2	2	A035428	<2	2	A035428
Conductivity	umho/cm	-	-	2000	2.0	A035065	570	2.0	A035065
Fluoride (F-)	mg/L	1.5	-	0.49	0.10	A035062	0.11	0.10	A035062
Dissolved Organic Carbon	mg/L	-	5	1.7	0.40	A035044	1.3	0.40	A035044
Orthophosphate (P)	mg/L	-	-	<0.010	0.010	A035068	0.030	0.010	A035068
pH	pH	-	6.5:8.5	7.93		A035064	8.12		A035064
Dissolved Sulphate (SO4)	mg/L	-	500	27	1.0	A035069	30	1.0	A035069
Alkalinity (Total as CaCO3)	mg/L	-	30:500	310	1.0	A035063	280	1.0	A035063
Dissolved Chloride (Cl-)	mg/L	-	250	**400**	3.0	A035067	1.7	1.0	A035067
Nitrite (N)	mg/L	1	-	<0.010	0.010	A035006	<0.010	0.010	A035007
Nitrate (N)	mg/L	10	-	<0.10	0.10	A035006	0.32	0.10	A035007
Nitrate + Nitrite (N)	mg/L	10	-	<0.10	0.10	A035006	0.32	0.10	A035007

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)

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Bureau Veritas Job #: C5D0373
Report Date: 2025/10/28

WSP Canada Inc.
Client Project #: CA0052306.5688
Site Location: McCarthy
Sampler Initials: CI

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID				AWGV93			AWGV94		
Sampling Date				2025/10/15 11:10			2025/10/15 11:20		
COC Number				C#1064282-01-01			C#1064282-01-01		
	UNITS	MAC	A/O	OW4-1	RDL	QC Batch	OW4-2	RDL	QC Batch
Calculated Parameters									
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	-	-	260	1.0	A034471	260	1.0	A034471
Calculated TDS	mg/L	-	500	**760**	1.0	A034549	**860**	1.0	A034549
Hardness (CaCO3)	mg/L	-	80:100	**170**	1.0	A034400	**230**	1.0	A034400
Inorganics									
Total Ammonia-N	mg/L	-	-	1.1	0.050	A035938	1.1	0.050	A035938
Colour	TCU	-	5	<2	2	A035428	<2	2	A035510
Conductivity	umho/cm	-	-	1500	2.0	A035065	1700	2.0	A035065
Fluoride (F-)	mg/L	1.5	-	0.97	0.10	A035062	0.94	0.10	A035062
Dissolved Organic Carbon	mg/L	-	5	1.3	0.40	A035023	1.1	0.40	A035044
Orthophosphate (P)	mg/L	-	-	<0.010	0.010	A035068	<0.010	0.010	A035068
pH	pH	-	6.5:8.5	8.00		A035064	7.90		A035064
Dissolved Sulphate (SO4)	mg/L	-	500	5.3	1.0	A035069	<1.0	1.0	A035069
Alkalinity (Total as CaCO3)	mg/L	-	30:500	270	1.0	A035063	260	1.0	A035063
Dissolved Chloride (Cl-)	mg/L	-	250	**290**	2.0	A035067	**360**	3.0	A035067
Nitrite (N)	mg/L	1	-	<0.010	0.010	A035006	<0.010	0.010	A035006
Nitrate (N)	mg/L	10	-	<0.10	0.10	A035006	<0.10	0.10	A035006
Nitrate + Nitrite (N)	mg/L	10	-	<0.10	0.10	A035006	<0.10	0.10	A035006

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
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Bureau Veritas Job #: C5D0373
Report Date: 2025/10/28

WSP Canada Inc.
Client Project #: CA0052306.5688
Site Location: McCarthy
Sampler Initials: CI

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID				AWGV94			AWGV95		
Sampling Date				2025/10/15 11:20			2025/10/15 13:10		
COC Number				C#1064282-01-01			C#1064282-01-01		
	UNITS	MAC	A/O	OW4-2 Lab-Dup	RDL	QC Batch	OW5-1	RDL	QC Batch
Calculated Parameters									
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	-	-				290	1.0	A034471
Calculated TDS	mg/L	-	500				380	1.0	A034549
Hardness (CaCO3)	mg/L	-	80:100				**230**	1.0	A034400
Inorganics									
Total Ammonia-N	mg/L	-	-				0.83	0.050	A035938
Colour	TCU	-	5	<2	2	A035510	<2	2	A035428
Conductivity	umho/cm	-	-	1700	2.0	A035065	670	2.0	A035065
Fluoride (F-)	mg/L	1.5	-	0.93	0.10	A035062	0.64	0.10	A035062
Dissolved Organic Carbon	mg/L	-	5	1.1	0.40	A035044	1.9	0.40	A035044
Orthophosphate (P)	mg/L	-	-				<0.010	0.010	A035068
pH	pH	-	6.5:8.5	7.95		A035064	7.86		A035064
Dissolved Sulphate (SO4)	mg/L	-	500				40	1.0	A035069
Alkalinity (Total as CaCO3)	mg/L	-	30:500	260	1.0	A035063	290	1.0	A035063
Dissolved Chloride (Cl-)	mg/L	-	250				14	1.0	A035067
Nitrite (N)	mg/L	1	-				0.203	0.010	A035006
Nitrate (N)	mg/L	10	-				0.60	0.10	A035006
Nitrate + Nitrite (N)	mg/L	10	-				0.81	0.10	A035006

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
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Bureau Veritas Job #: C5D0373
Report Date: 2025/10/28

WSP Canada Inc.
Client Project #: CA0052306.5688
Site Location: McCarthy
Sampler Initials: CI

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID				AWGV95			AWGV96		
Sampling Date				2025/10/15 13:10			2025/10/15 13:30		
COC Number				C#1064282-01-01			C#1064282-01-01		
	UNITS	MAC	A/O	OW5-1 Lab-Dup	RDL	QC Batch	OW5-2	RDL	QC Batch
Calculated Parameters									
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	-	-				120	1.0	A034471
Calculated TDS	mg/L	-	500				**14000**	1.0	A034549
Hardness (CaCO3)	mg/L	-	80:100				**5300**	1.0	A034400
Inorganics									
Total Ammonia-N	mg/L	-	-				9.0	0.050	A035938
Colour	TCU	-	5				3	2	A035510
Conductivity	umho/cm	-	-				26000	2.0	A035065
Fluoride (F-)	mg/L	1.5	-				0.45	0.10	A035062
Dissolved Organic Carbon	mg/L	-	5				1.1	0.40	A035044
Orthophosphate (P)	mg/L	-	-				<0.010	0.010	A035068
pH	pH	-	6.5:8.5				7.32		A035064
Dissolved Sulphate (SO4)	mg/L	-	500				<1.0	1.0	A035069
Alkalinity (Total as CaCO3)	mg/L	-	30:500				120	1.0	A035063
Dissolved Chloride (Cl-)	mg/L	-	250				**9000**	80	A035067
Nitrite (N)	mg/L	1	-	0.220	0.010	A035006	<0.010	0.010	A035006
Nitrate (N)	mg/L	10	-	0.61	0.10	A035006	<0.10	0.10	A035006
Nitrate + Nitrite (N)	mg/L	10	-	0.83	0.10	A035006	<0.10	0.10	A035006

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
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Bureau Veritas Job #: C5D0373
Report Date: 2025/10/28

WSP Canada Inc.
Client Project #: CA0052306.5688
Site Location: McCarthy
Sampler Initials: CI

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID				AWGV97			AWGV98		
Sampling Date				2025/10/15 13:20			2025/10/15 10:00		
COC Number				C#1064282-01-01			C#1064282-01-01		
	UNITS	MAC	A/O	OW5-3	RDL	QC Batch	OW6-2	RDL	QC Batch
Calculated Parameters									
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	-	-	120	1.0	A034471	160	1.0	A034471
Calculated TDS	mg/L	-	500	**15000**	1.0	A034549	**4000**	1.0	A034549
Hardness (CaCO3)	mg/L	-	80:100	**5900**	1.0	A034400	**1700**	1.0	A034400
Inorganics									
Total Ammonia-N	mg/L	-	-	9.6	0.050	A035938	1.7	0.050	A035938
Colour	TCU	-	5	<2	2	A035428	<2	2	A035428
Conductivity	umho/cm	-	-	28000	2.0	A035065	6600	2.0	A035065
Fluoride (F-)	mg/L	1.5	-	0.45	0.10	A035062	0.98	0.10	A035062
Dissolved Organic Carbon	mg/L	-	5	0.51	0.40	A035044	0.48	0.40	A034682
Orthophosphate (P)	mg/L	-	-	<0.010	0.010	A035068	<0.010	0.010	A035068
pH	pH	-	6.5:8.5	7.33		A035064	7.68		A035064
Dissolved Sulphate (SO4)	mg/L	-	500	<1.0	1.0	A035069	**1100**	12	A035069
Alkalinity (Total as CaCO3)	mg/L	-	30:500	120	1.0	A035063	160	1.0	A035063
Dissolved Chloride (Cl-)	mg/L	-	250	**9600**	80	A035067	**1500**	20	A035067
Nitrite (N)	mg/L	1	-	<0.010	0.010	A035006	0.018	0.010	A035006
Nitrate (N)	mg/L	10	-	<0.10	0.10	A035006	0.17	0.10	A035006
Nitrate + Nitrite (N)	mg/L	10	-	<0.10	0.10	A035006	0.19	0.10	A035006

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
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Bureau Veritas Job #: C5D0373
Report Date: 2025/10/28

WSP Canada Inc.
Client Project #: CA0052306.5688
Site Location: McCarthy
Sampler Initials: CI

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID				AWGV99			AWGW00		
Sampling Date				2025/10/15 14:10			2025/10/15 14:00		
COC Number				C#1064282-01-01			C#1064282-01-01		
	UNITS	MAC	A/O	OW7-1	RDL	QC Batch	OW7-2	RDL	QC Batch
Calculated Parameters									
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	-	-	270	1.0	A034471	320	1.0	A034471
Calculated TDS	mg/L	-	500	**780**	1.0	A034549	**520**	1.0	A034549
Hardness (CaCO3)	mg/L	-	80:100	**430**	1.0	A034400	**310**	1.0	A034400
Inorganics									
Total Ammonia-N	mg/L	-	-	2.2	0.050	A035938	1.7	0.050	A035938
Colour	TCU	-	5	<2	2	A035428	3	2	A035428
Conductivity	umho/cm	-	-	1500	2.0	A035065	970	2.0	A035065
Fluoride (F-)	mg/L	1.5	-	0.43	0.10	A035062	0.50	0.10	A035062
Dissolved Organic Carbon	mg/L	-	5	2.1	0.40	A035044	2.6	0.40	A035044
Orthophosphate (P)	mg/L	-	-	<0.010	0.010	A035068	<0.010	0.010	A035068
pH	pH	-	6.5:8.5	7.61		A035064	7.97		A035064
Dissolved Sulphate (SO4)	mg/L	-	500	94	1.0	A035069	61	1.0	A035069
Alkalinity (Total as CaCO3)	mg/L	-	30:500	270	1.0	A035063	320	1.0	A035063
Dissolved Chloride (Cl-)	mg/L	-	250	250	2.0	A035067	74	1.0	A035067
Nitrite (N)	mg/L	1	-	<0.010	0.010	A035006	0.015	0.010	A034989
Nitrate (N)	mg/L	10	-	<0.10	0.10	A035006	<0.10	0.10	A034989
Nitrate + Nitrite (N)	mg/L	10	-	<0.10	0.10	A035006	<0.10	0.10	A034989

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)

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Bureau Veritas Job #: C5D0373
Report Date: 2025/10/28

WSP Canada Inc.
Client Project #: CA0052306.5688
Site Location: McCarthy
Sampler Initials: CI

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID				AWGW01			AWGW03		
Sampling Date				2025/10/15 16:45			2025/10/15		
COC Number				C#1064282-01-01			C#1064282-01-01		
	UNITS	MAC	A/O	OW8-1	RDL	QC Batch	DUP2	RDL	QC Batch
Calculated Parameters									
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	-	-	310	1.0	A034471	260	1.0	A034471
Calculated TDS	mg/L	-	500	**1600**	1.0	A034549	**850**	1.0	A034549
Hardness (CaCO3)	mg/L	-	80:100	**650**	1.0	A034400	**220**	1.0	A034400
Inorganics									
Total Ammonia-N	mg/L	-	-	1.0	0.050	A035938	1.1	0.050	A035938
Colour	TCU	-	5	<2	2	A035428	<2	2	A035428
Conductivity	umho/cm	-	-	3200	2.0	A035065	1700	2.0	A035065
Fluoride (F-)	mg/L	1.5	-	0.77	0.10	A035062	0.93	0.10	A035062
Dissolved Organic Carbon	mg/L	-	5	1.2	0.40	A035044	1.2	0.40	A035023
Orthophosphate (P)	mg/L	-	-	<0.010	0.010	A035068	<0.010	0.010	A035068
pH	pH	-	6.5:8.5	7.77		A035064	7.99		A035064
Dissolved Sulphate (SO4)	mg/L	-	500	25	1.0	A035069	<1.0	1.0	A035069
Alkalinity (Total as CaCO3)	mg/L	-	30:500	310	1.0	A035063	260	1.0	A035063
Dissolved Chloride (Cl-)	mg/L	-	250	**790**	20	A035067	**350**	3.0	A035067
Nitrite (N)	mg/L	1	-	<0.010	0.010	A034989	<0.010	0.010	A035006
Nitrate (N)	mg/L	10	-	<0.10	0.10	A034989	<0.10	0.10	A035006
Nitrate + Nitrite (N)	mg/L	10	-	<0.10	0.10	A034989	<0.10	0.10	A035006

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)

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Bureau Veritas Job #: C5D0373
Report Date: 2025/10/28

WSP Canada Inc.
Client Project #: CA0052306.5688
Site Location: McCarthy
Sampler Initials: CI

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID				AWGW03			AWGW04		
Sampling Date				2025/10/15			2025/10/15		
COC Number				C#1064282-01-01			C#1064282-01-01		
	UNITS	MAC	A/O	DUP2 Lab-Dup	RDL	QC Batch	DUP3	RDL	QC Batch
Calculated Parameters									
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	-	-				300	1.0	A034471
Calculated TDS	mg/L	-	500				**1000**	1.0	A034549
Hardness (CaCO3)	mg/L	-	80:100				**490**	1.0	A034400
Inorganics									
Total Ammonia-N	mg/L	-	-	1.1	0.050	A035938	0.73	0.050	A035938
Colour	TCU	-	5				<2	2	A035428
Conductivity	umho/cm	-	-				2000	2.0	A035065
Fluoride (F-)	mg/L	1.5	-				0.49	0.10	A035062
Dissolved Organic Carbon	mg/L	-	5				1.9	0.40	A035044
Orthophosphate (P)	mg/L	-	-				<0.010	0.010	A035068
pH	pH	-	6.5:8.5				8.05		A035064
Dissolved Sulphate (SO4)	mg/L	-	500				26	1.0	A035069
Alkalinity (Total as CaCO3)	mg/L	-	30:500				310	1.0	A035063
Dissolved Chloride (Cl-)	mg/L	-	250				**400**	3.0	A035067
Nitrite (N)	mg/L	1	-				<0.010	0.010	A035006
Nitrate (N)	mg/L	10	-				<0.10	0.10	A035006
Nitrate + Nitrite (N)	mg/L	10	-				<0.10	0.10	A035006

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)

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Bureau Veritas Job #: C5D0373
Report Date: 2025/10/28

WSP Canada Inc.
Client Project #: CA0052306.5688
Site Location: McCarthy
Sampler Initials: CI

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID			AWGV89		AWGV90	AWGV91		AWGV92		
Sampling Date			2025/10/15 11:00		2025/10/15 11:00	2025/10/15 15:00		2025/10/15 09:45		
COC Number			C#1064282-01-01		C#1064282-01-01	C#1064282-01-01		C#1064282-01-01		
	UNITS	A/O	AM1B	RDL	AMX-R	TW1-1	RDL	BORED	RDL	QC Batch
Metals										
Dissolved Calcium (Ca)	ug/L	-	68000	200	110000	110000	400	67000	200	A034699
Dissolved Magnesium (Mg)	ug/L	-	36000	50	71000	50000	50	29000	50	A034699
Dissolved Phosphorus (P)	ug/L	-	<100	100	<100	<100	100	<100	100	A034699
Dissolved Potassium (K)	ug/L	-	2600	200	14000	8900	200	5200	200	A034699
Dissolved Sodium (Na)	ug/L	200000	5200	100	**540000**	200000	100	17000	100	A034699

No Fill — No Exceedance
Grey — Exceeds 1 criteria policy/level
Black — Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)

Bureau Veritas ID			AWGV93	AWGV94	AWGV95		AWGV96		
Sampling Date			2025/10/15 11:10	2025/10/15 11:20	2025/10/15 13:10		2025/10/15 13:30		
COC Number			C#1064282-01-01	C#1064282-01-01	C#1064282-01-01		C#1064282-01-01		
	UNITS	A/O	OW4-1	OW4-2	OW5-1	RDL	OW5-2	RDL	QC Batch
Metals									
Dissolved Calcium (Ca)	ug/L	-	32000	45000	41000	200	1100000	4000	A034699
Dissolved Magnesium (Mg)	ug/L	-	21000	28000	32000	50	630000	500	A034699
Dissolved Phosphorus (P)	ug/L	-	<100	<100	<100	100	<100	100	A034699
Dissolved Potassium (K)	ug/L	-	8600	9800	8100	200	74000	200	A034699
Dissolved Sodium (Na)	ug/L	200000	**220000**	**250000**	52000	100	**3400000**	1000	A034699

No Fill — No Exceedance
Grey — Exceeds 1 criteria policy/level
Black — Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)

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Bureau Veritas Job #: C5D0373
Report Date: 2025/10/28

WSP Canada Inc.
Client Project #: CA0052306.5688
Site Location: McCarthy
Sampler Initials: CI

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID			AWGV97		AWGV98		AWGV99	AWGV99		
Sampling Date			2025/10/15 13:20		2025/10/15 10:00		2025/10/15 14:10	2025/10/15 14:10		
COC Number			C#1064282-01-01		C#1064282-01-01		C#1064282-01-01	C#1064282-01-01		
	UNITS	A/O	OW5-3	RDL	OW6-2	RDL	OW7-1	OW7-1 Lab-Dup	RDL	QC Batch
Metals										
Dissolved Calcium (Ca)	ug/L	-	1200000	4000	340000	1000	87000	86000	400	A034699
Dissolved Magnesium (Mg)	ug/L	-	720000	500	200000	50	53000	53000	50	A034699
Dissolved Phosphorus (P)	ug/L	-	<100	100	<100	100	<100	<100	100	A034699
Dissolved Potassium (K)	ug/L	-	75000	200	18000	200	13000	13000	200	A034699
Dissolved Sodium (Na)	ug/L	200000	**3600000**	1000	**780000**	500	110000	110000	100	A034699

No Fill — No Exceedance
Grey — Exceeds 1 criteria policy/level
Black — Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)

Bureau Veritas ID			AWGW00		AWGW01		AWGW03		
Sampling Date			2025/10/15 14:00		2025/10/15 16:45		2025/10/15		
COC Number			C#1064282-01-01		C#1064282-01-01		C#1064282-01-01		
	UNITS	A/O	OW7-2	RDL	OW8-1	RDL	DUP2	RDL	QC Batch
Metals									
Dissolved Calcium (Ca)	ug/L	-	64000	200	170000	400	42000	200	A034699
Dissolved Magnesium (Mg)	ug/L	-	36000	50	55000	50	28000	50	A034699
Dissolved Phosphorus (P)	ug/L	-	<100	100	<100	100	<100	100	A034699
Dissolved Potassium (K)	ug/L	-	13000	200	9700	200	9800	200	A034699
Dissolved Sodium (Na)	ug/L	200000	64000	100	**370000**	100	**250000**	100	A034699

No Fill — No Exceedance
Grey — Exceeds 1 criteria policy/level
Black — Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)

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ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID			AWGW04		
Sampling Date			2025/10/15		
COC Number			C#1064282-01-01		
	UNITS	A/O	DUP3	RDL	QC Batch
Metals					
Dissolved Calcium (Ca)	ug/L	-	110000	400	A034699
Dissolved Magnesium (Mg)	ug/L	-	51000	50	A034699
Dissolved Phosphorus (P)	ug/L	-	<100	100	A034699
Dissolved Potassium (K)	ug/L	-	9000	200	A034699
Dissolved Sodium (Na)	ug/L	200000	200000	100	A034699

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)

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Bureau Veritas Job #: C5D0373
Report Date: 2025/10/28

WSP Canada Inc.
Client Project #: CA0052306.5688
Site Location: McCarthy
Sampler Initials: CI

TEST SUMMARY

Bureau Veritas ID: AWGV89
Sample ID: AM1B
Matrix: Water

Collected: 2025/10/15
Shipped:
Received: 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	A035063	N/A	2025/10/21	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	A034471	N/A	2025/10/22	Automated Statchk
Chloride by Automated Colourimetry	SKAL	A035067	N/A	2025/10/22	Alina Dobreanu
Colour	SPEC	A035428	N/A	2025/10/20	Viorica Rotaru
Conductivity	AT	A035065	N/A	2025/10/21	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	A035044	N/A	2025/10/20	Gyulshen Idriz
Fluoride	ISE	A035062	2025/10/18	2025/10/21	Surinder Rai
Hardness (calculated as CaCO3)		A034400	N/A	2025/10/21	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	A034699	N/A	2025/10/17	Azita Fazaeli
Total Ammonia-N	SKAL/NH4	A035938	N/A	2025/10/21	Kruti Jitesh Patel
Nitrate & Nitrite as Nitrogen in Water	LACH	A035006	N/A	2025/10/19	Chandra Nandlal
pH	AT	A035064	2025/10/18	2025/10/21	Surinder Rai
Orthophosphate	SKAL	A035068	N/A	2025/10/21	Alina Dobreanu
Sulphate by Automated Turbidimetry	SKAL	A035069	N/A	2025/10/22	Massarat Jan
Total Dissolved Solids (TDS calc)	CALC	A034549	N/A	2025/10/22	Automated Statchk

Bureau Veritas ID: AWGV90
Sample ID: AMX-R
Matrix: Water

Collected: 2025/10/15
Shipped:
Received: 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	A035063	N/A	2025/10/21	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	A034471	N/A	2025/10/22	Automated Statchk
Chloride by Automated Colourimetry	SKAL	A035067	N/A	2025/10/22	Alina Dobreanu
Colour	SPEC	A035428	N/A	2025/10/20	Viorica Rotaru
Conductivity	AT	A035065	N/A	2025/10/21	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	A035023	N/A	2025/10/19	Gyulshen Idriz
Fluoride	ISE	A035062	2025/10/18	2025/10/21	Surinder Rai
Hardness (calculated as CaCO3)		A034400	N/A	2025/10/21	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	A034699	N/A	2025/10/17	Azita Fazaeli
Total Ammonia-N	SKAL/NH4	A035938	N/A	2025/10/21	Kruti Jitesh Patel
Nitrate & Nitrite as Nitrogen in Water	LACH	A035006	N/A	2025/10/19	Chandra Nandlal
pH	AT	A035064	2025/10/18	2025/10/21	Surinder Rai
Orthophosphate	SKAL	A035068	N/A	2025/10/21	Alina Dobreanu
Sulphate by Automated Turbidimetry	SKAL	A035069	N/A	2025/10/22	Massarat Jan
Total Dissolved Solids (TDS calc)	CALC	A034549	N/A	2025/10/22	Automated Statchk

Bureau Veritas ID: AWGV91
Sample ID: TW1-1
Matrix: Water

Collected: 2025/10/15
Shipped:
Received: 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	A035063	N/A	2025/10/22	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	A034471	N/A	2025/10/22	Automated Statchk

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TEST SUMMARY

Bureau Veritas ID: AWGV91 **Collected:** 2025/10/15
Sample ID: TW1-1 **Shipped:**
Matrix: Water **Received:** 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Chloride by Automated Colourimetry	SKAL	A035067	N/A	2025/10/22	Alina Dobreanu
Colour	SPEC	A035428	N/A	2025/10/20	Viorica Rotaru
Conductivity	AT	A035065	N/A	2025/10/22	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	A035044	N/A	2025/10/20	Gyulshen Idriz
Fluoride	ISE	A035062	2025/10/18	2025/10/22	Surinder Rai
Hardness (calculated as CaCO3)		A034400	N/A	2025/10/21	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	A034699	N/A	2025/10/17	Azita Fazaeli
Total Ammonia-N	SKAL/NH4	A035938	N/A	2025/10/21	Kruti Jitesh Patel
Nitrate & Nitrite as Nitrogen in Water	LACH	A035006	N/A	2025/10/19	Chandra Nandlal
pH	AT	A035064	2025/10/18	2025/10/22	Surinder Rai
Orthophosphate	SKAL	A035068	N/A	2025/10/21	Alina Dobreanu
Sulphate by Automated Turbidimetry	SKAL	A035069	N/A	2025/10/22	Massarat Jan
Total Dissolved Solids (TDS calc)	CALC	A034549	N/A	2025/10/22	Automated Statchk

Bureau Veritas ID: AWGV92 **Collected:** 2025/10/15
Sample ID: BORED **Shipped:**
Matrix: Water **Received:** 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	A035063	N/A	2025/10/22	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	A034471	N/A	2025/10/22	Automated Statchk
Chloride by Automated Colourimetry	SKAL	A035067	N/A	2025/10/22	Alina Dobreanu
Colour	SPEC	A035428	N/A	2025/10/20	Viorica Rotaru
Conductivity	AT	A035065	N/A	2025/10/22	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	A035044	N/A	2025/10/20	Gyulshen Idriz
Fluoride	ISE	A035062	2025/10/18	2025/10/22	Surinder Rai
Hardness (calculated as CaCO3)		A034400	N/A	2025/10/21	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	A034699	N/A	2025/10/17	Azita Fazaeli
Total Ammonia-N	SKAL/NH4	A035938	N/A	2025/10/21	Kruti Jitesh Patel
Nitrate & Nitrite as Nitrogen in Water	LACH	A035007	N/A	2025/10/19	Chandra Nandlal
pH	AT	A035064	2025/10/18	2025/10/22	Surinder Rai
Orthophosphate	SKAL	A035068	N/A	2025/10/21	Alina Dobreanu
Sulphate by Automated Turbidimetry	SKAL	A035069	N/A	2025/10/22	Massarat Jan
Total Dissolved Solids (TDS calc)	CALC	A034549	N/A	2025/10/22	Automated Statchk

Bureau Veritas ID: AWGV93 **Collected:** 2025/10/15
Sample ID: OW4-1 **Shipped:**
Matrix: Water **Received:** 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	A035063	N/A	2025/10/21	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	A034471	N/A	2025/10/22	Automated Statchk
Chloride by Automated Colourimetry	SKAL	A035067	N/A	2025/10/22	Alina Dobreanu
Colour	SPEC	A035428	N/A	2025/10/20	Viorica Rotaru

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TEST SUMMARY

Bureau Veritas ID: AWGV93
Sample ID: OW4-1
Matrix: Water

Collected: 2025/10/15
Shipped:
Received: 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	A035065	N/A	2025/10/21	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	A035023	N/A	2025/10/19	Gyulshen Idriz
Fluoride	ISE	A035062	2025/10/18	2025/10/21	Surinder Rai
Hardness (calculated as CaCO3)		A034400	N/A	2025/10/21	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	A034699	N/A	2025/10/17	Azita Fazaeli
Total Ammonia-N	SKAL/NH4	A035938	N/A	2025/10/21	Kruti Jitesh Patel
Nitrate & Nitrite as Nitrogen in Water	LACH	A035006	N/A	2025/10/19	Chandra Nandlal
pH	AT	A035064	2025/10/18	2025/10/21	Surinder Rai
Orthophosphate	SKAL	A035068	N/A	2025/10/21	Alina Dobreanu
Sulphate by Automated Turbidimetry	SKAL	A035069	N/A	2025/10/22	Massarat Jan
Total Dissolved Solids (TDS calc)	CALC	A034549	N/A	2025/10/22	Automated Statchk

Bureau Veritas ID: AWGV94
Sample ID: OW4-2
Matrix: Water

Collected: 2025/10/15
Shipped:
Received: 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	A035063	N/A	2025/10/21	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	A034471	N/A	2025/10/22	Automated Statchk
Chloride by Automated Colourimetry	SKAL	A035067	N/A	2025/10/22	Alina Dobreanu
Colour	SPEC	A035510	N/A	2025/10/20	Viorica Rotaru
Conductivity	AT	A035065	N/A	2025/10/21	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	A035044	N/A	2025/10/20	Gyulshen Idriz
Fluoride	ISE	A035062	2025/10/18	2025/10/21	Surinder Rai
Hardness (calculated as CaCO3)		A034400	N/A	2025/10/21	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	A034699	N/A	2025/10/17	Azita Fazaeli
Total Ammonia-N	SKAL/NH4	A035938	N/A	2025/10/21	Kruti Jitesh Patel
Nitrate & Nitrite as Nitrogen in Water	LACH	A035006	N/A	2025/10/19	Chandra Nandlal
pH	AT	A035064	2025/10/18	2025/10/21	Surinder Rai
Orthophosphate	SKAL	A035068	N/A	2025/10/21	Alina Dobreanu
Sulphate by Automated Turbidimetry	SKAL	A035069	N/A	2025/10/22	Massarat Jan
Total Dissolved Solids (TDS calc)	CALC	A034549	N/A	2025/10/22	Automated Statchk

Bureau Veritas ID: AWGV94 Dup
Sample ID: OW4-2
Matrix: Water

Collected: 2025/10/15
Shipped:
Received: 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	A035063	N/A	2025/10/21	Surinder Rai
Colour	SPEC	A035510	N/A	2025/10/20	Viorica Rotaru
Conductivity	AT	A035065	N/A	2025/10/21	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	A035044	N/A	2025/10/20	Gyulshen Idriz
Fluoride	ISE	A035062	2025/10/18	2025/10/21	Surinder Rai
pH	AT	A035064	2025/10/18	2025/10/21	Surinder Rai

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Bureau Veritas Job #: C5D0373
Report Date: 2025/10/28

WSP Canada Inc.
Client Project #: CA0052306.5688
Site Location: McCarthy
Sampler Initials: CI

TEST SUMMARY

Bureau Veritas ID: AWGV95
Sample ID: OW5-1
Matrix: Water

Collected: 2025/10/15
Shipped:
Received: 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	A035063	N/A	2025/10/21	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	A034471	N/A	2025/10/22	Automated Statchk
Chloride by Automated Colourimetry	SKAL	A035067	N/A	2025/10/22	Alina Dobreanu
Colour	SPEC	A035428	N/A	2025/10/20	Viorica Rotaru
Conductivity	AT	A035065	N/A	2025/10/21	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	A035044	N/A	2025/10/20	Gyulshen Idriz
Fluoride	ISE	A035062	2025/10/18	2025/10/21	Surinder Rai
Hardness (calculated as CaCO3)		A034400	N/A	2025/10/21	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	A034699	N/A	2025/10/17	Azita Fazaeli
Total Ammonia-N	SKAL/NH4	A035938	N/A	2025/10/21	Kruti Jitesh Patel
Nitrate & Nitrite as Nitrogen in Water	LACH	A035006	N/A	2025/10/19	Chandra Nandlal
pH	AT	A035064	2025/10/18	2025/10/21	Surinder Rai
Orthophosphate	SKAL	A035068	N/A	2025/10/21	Alina Dobreanu
Sulphate by Automated Turbidimetry	SKAL	A035069	N/A	2025/10/22	Massarat Jan
Total Dissolved Solids (TDS calc)	CALC	A034549	N/A	2025/10/22	Automated Statchk

Bureau Veritas ID: AWGV95 Dup
Sample ID: OW5-1
Matrix: Water

Collected: 2025/10/15
Shipped:
Received: 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Nitrate & Nitrite as Nitrogen in Water	LACH	A035006	N/A	2025/10/19	Chandra Nandlal

Bureau Veritas ID: AWGV96
Sample ID: OW5-2
Matrix: Water

Collected: 2025/10/15
Shipped:
Received: 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	A035063	N/A	2025/10/21	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	A034471	N/A	2025/10/22	Automated Statchk
Chloride by Automated Colourimetry	SKAL	A035067	N/A	2025/10/22	Alina Dobreanu
Colour	SPEC	A035510	N/A	2025/10/20	Viorica Rotaru
Conductivity	AT	A035065	N/A	2025/10/21	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	A035044	N/A	2025/10/20	Gyulshen Idriz
Fluoride	ISE	A035062	2025/10/18	2025/10/21	Surinder Rai
Hardness (calculated as CaCO3)		A034400	N/A	2025/10/21	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	A034699	N/A	2025/10/21	Azita Fazaeli
Total Ammonia-N	SKAL/NH4	A035938	N/A	2025/10/21	Kruti Jitesh Patel
Nitrate & Nitrite as Nitrogen in Water	LACH	A035006	N/A	2025/10/19	Chandra Nandlal
pH	AT	A035064	2025/10/18	2025/10/21	Surinder Rai
Orthophosphate	SKAL	A035068	N/A	2025/10/21	Alina Dobreanu
Sulphate by Automated Turbidimetry	SKAL	A035069	N/A	2025/10/22	Massarat Jan
Total Dissolved Solids (TDS calc)	CALC	A034549	N/A	2025/10/22	Automated Statchk

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Bureau Veritas Job #: C5D0373
Report Date: 2025/10/28

WSP Canada Inc.
Client Project #: CA0052306.5688
Site Location: McCarthy
Sampler Initials: CI

TEST SUMMARY

Bureau Veritas ID: AWGV97
Sample ID: OW5-3
Matrix: Water

Collected: 2025/10/15
Shipped:
Received: 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	A035063	N/A	2025/10/21	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	A034471	N/A	2025/10/22	Automated Statchk
Chloride by Automated Colourimetry	SKAL	A035067	N/A	2025/10/22	Alina Dobreanu
Colour	SPEC	A035428	N/A	2025/10/20	Viorica Rotaru
Conductivity	AT	A035065	N/A	2025/10/21	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	A035044	N/A	2025/10/20	Gyulshen Idriz
Fluoride	ISE	A035062	2025/10/18	2025/10/21	Surinder Rai
Hardness (calculated as CaCO3)		A034400	N/A	2025/10/21	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	A034699	N/A	2025/10/21	Azita Fazaeli
Total Ammonia-N	SKAL/NH4	A035938	N/A	2025/10/21	Kruti Jitesh Patel
Nitrate & Nitrite as Nitrogen in Water	LACH	A035006	N/A	2025/10/19	Chandra Nandlal
pH	AT	A035064	2025/10/18	2025/10/21	Surinder Rai
Orthophosphate	SKAL	A035068	N/A	2025/10/21	Alina Dobreanu
Sulphate by Automated Turbidimetry	SKAL	A035069	N/A	2025/10/22	Massarat Jan
Total Dissolved Solids (TDS calc)	CALC	A034549	N/A	2025/10/22	Automated Statchk

Bureau Veritas ID: AWGV98
Sample ID: OW6-2
Matrix: Water

Collected: 2025/10/15
Shipped:
Received: 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	A035063	N/A	2025/10/22	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	A034471	N/A	2025/10/22	Automated Statchk
Chloride by Automated Colourimetry	SKAL	A035067	N/A	2025/10/22	Alina Dobreanu
Colour	SPEC	A035428	N/A	2025/10/20	Viorica Rotaru
Conductivity	AT	A035065	N/A	2025/10/22	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	A034682	N/A	2025/10/20	Gyulshen Idriz
Fluoride	ISE	A035062	2025/10/18	2025/10/22	Surinder Rai
Hardness (calculated as CaCO3)		A034400	N/A	2025/10/21	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	A034699	N/A	2025/10/21	Azita Fazaeli
Total Ammonia-N	SKAL/NH4	A035938	N/A	2025/10/21	Kruti Jitesh Patel
Nitrate & Nitrite as Nitrogen in Water	LACH	A035006	N/A	2025/10/19	Chandra Nandlal
pH	AT	A035064	2025/10/18	2025/10/22	Surinder Rai
Orthophosphate	SKAL	A035068	N/A	2025/10/21	Alina Dobreanu
Sulphate by Automated Turbidimetry	SKAL	A035069	N/A	2025/10/22	Massarat Jan
Total Dissolved Solids (TDS calc)	CALC	A034549	N/A	2025/10/22	Automated Statchk

Bureau Veritas ID: AWGV99
Sample ID: OW7-1
Matrix: Water

Collected: 2025/10/15
Shipped:
Received: 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	A035063	N/A	2025/10/22	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	A034471	N/A	2025/10/22	Automated Statchk

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Bureau Veritas Job #: C5D0373
Report Date: 2025/10/28

WSP Canada Inc.
Client Project #: CA0052306.5688
Site Location: McCarthy
Sampler Initials: CI

TEST SUMMARY

Bureau Veritas ID: AWGV99
Sample ID: OW7-1
Matrix: Water

Collected: 2025/10/15
Shipped:
Received: 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Chloride by Automated Colourimetry	SKAL	A035067	N/A	2025/10/22	Alina Dobreanu
Colour	SPEC	A035428	N/A	2025/10/20	Viorica Rotaru
Conductivity	AT	A035065	N/A	2025/10/22	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	A035044	N/A	2025/10/20	Gyulshen Idriz
Fluoride	ISE	A035062	2025/10/18	2025/10/22	Surinder Rai
Hardness (calculated as CaCO3)		A034400	N/A	2025/10/21	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	A034699	N/A	2025/10/17	Azita Fazaeli
Total Ammonia-N	SKAL/NH4	A035938	N/A	2025/10/21	Kruti Jitesh Patel
Nitrate & Nitrite as Nitrogen in Water	LACH	A035006	N/A	2025/10/19	Chandra Nandlal
pH	AT	A035064	2025/10/18	2025/10/22	Surinder Rai
Orthophosphate	SKAL	A035068	N/A	2025/10/21	Alina Dobreanu
Sulphate by Automated Turbidimetry	SKAL	A035069	N/A	2025/10/22	Massarat Jan
Total Dissolved Solids (TDS calc)	CALC	A034549	N/A	2025/10/22	Automated Statchk

Bureau Veritas ID: AWGV99 Dup
Sample ID: OW7-1
Matrix: Water

Collected: 2025/10/15
Shipped:
Received: 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	A034699	N/A	2025/10/17	Azita Fazaeli

Bureau Veritas ID: AWGW00
Sample ID: OW7-2
Matrix: Water

Collected: 2025/10/15
Shipped:
Received: 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	A035063	N/A	2025/10/21	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	A034471	N/A	2025/10/22	Automated Statchk
Chloride by Automated Colourimetry	SKAL	A035067	N/A	2025/10/22	Alina Dobreanu
Colour	SPEC	A035428	N/A	2025/10/20	Viorica Rotaru
Conductivity	AT	A035065	N/A	2025/10/21	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	A035044	N/A	2025/10/20	Gyulshen Idriz
Fluoride	ISE	A035062	2025/10/18	2025/10/21	Surinder Rai
Hardness (calculated as CaCO3)		A034400	N/A	2025/10/21	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	A034699	N/A	2025/10/17	Azita Fazaeli
Total Ammonia-N	SKAL/NH4	A035938	N/A	2025/10/21	Kruti Jitesh Patel
Nitrate & Nitrite as Nitrogen in Water	LACH	A034989	N/A	2025/10/19	Chandra Nandlal
pH	AT	A035064	2025/10/18	2025/10/21	Surinder Rai
Orthophosphate	SKAL	A035068	N/A	2025/10/21	Alina Dobreanu
Sulphate by Automated Turbidimetry	SKAL	A035069	N/A	2025/10/22	Massarat Jan
Total Dissolved Solids (TDS calc)	CALC	A034549	N/A	2025/10/22	Automated Statchk

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Bureau Veritas Job #: C5D0373
Report Date: 2025/10/28

WSP Canada Inc.
Client Project #: CA0052306.5688
Site Location: McCarthy
Sampler Initials: CI

TEST SUMMARY

Bureau Veritas ID: AWGW01
Sample ID: OW8-1
Matrix: Water

Collected: 2025/10/15
Shipped:
Received: 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	A035063	N/A	2025/10/22	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	A034471	N/A	2025/10/22	Automated Statchk
Chloride by Automated Colourimetry	SKAL	A035067	N/A	2025/10/22	Alina Dobreanu
Colour	SPEC	A035428	N/A	2025/10/20	Viorica Rotaru
Conductivity	AT	A035065	N/A	2025/10/22	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	A035044	N/A	2025/10/20	Gyulshen Idriz
Fluoride	ISE	A035062	2025/10/18	2025/10/22	Surinder Rai
Hardness (calculated as CaCO3)		A034400	N/A	2025/10/21	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	A034699	N/A	2025/10/17	Azita Fazaeli
Total Ammonia-N	SKAL/NH4	A035938	N/A	2025/10/21	Kruti Jitesh Patel
Nitrate & Nitrite as Nitrogen in Water	LACH	A034989	N/A	2025/10/19	Chandra Nandlal
pH	AT	A035064	2025/10/18	2025/10/22	Surinder Rai
Orthophosphate	SKAL	A035068	N/A	2025/10/21	Alina Dobreanu
Sulphate by Automated Turbidimetry	SKAL	A035069	N/A	2025/10/22	Massarat Jan
Total Dissolved Solids (TDS calc)	CALC	A034549	N/A	2025/10/22	Automated Statchk

Bureau Veritas ID: AWGW03
Sample ID: DUP2
Matrix: Water

Collected: 2025/10/15
Shipped:
Received: 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	A035063	N/A	2025/10/21	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	A034471	N/A	2025/10/22	Automated Statchk
Chloride by Automated Colourimetry	SKAL	A035067	N/A	2025/10/22	Alina Dobreanu
Colour	SPEC	A035428	N/A	2025/10/20	Viorica Rotaru
Conductivity	AT	A035065	N/A	2025/10/21	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	A035023	N/A	2025/10/19	Gyulshen Idriz
Fluoride	ISE	A035062	2025/10/18	2025/10/21	Surinder Rai
Hardness (calculated as CaCO3)		A034400	N/A	2025/10/21	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	A034699	N/A	2025/10/17	Azita Fazaeli
Total Ammonia-N	SKAL/NH4	A035938	N/A	2025/10/21	Kruti Jitesh Patel
Nitrate & Nitrite as Nitrogen in Water	LACH	A035006	N/A	2025/10/19	Chandra Nandlal
pH	AT	A035064	2025/10/18	2025/10/21	Surinder Rai
Orthophosphate	SKAL	A035068	N/A	2025/10/21	Alina Dobreanu
Sulphate by Automated Turbidimetry	SKAL	A035069	N/A	2025/10/22	Massarat Jan
Total Dissolved Solids (TDS calc)	CALC	A034549	N/A	2025/10/22	Automated Statchk

Bureau Veritas ID: AWGW03 Dup
Sample ID: DUP2
Matrix: Water

Collected: 2025/10/15
Shipped:
Received: 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Ammonia-N	SKAL/NH4	A035938	N/A	2025/10/21	Kruti Jitesh Patel

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Bureau Veritas Job #: C5D0373
Report Date: 2025/10/28

WSP Canada Inc.
Client Project #: CA0052306.5688
Site Location: McCarthy
Sampler Initials: CI

TEST SUMMARY

Bureau Veritas ID: AWGW04
Sample ID: DUP3
Matrix: Water

Collected: 2025/10/15
Shipped:
Received: 2025/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	A035063	N/A	2025/10/21	Surinder Rai
Carbonate, Bicarbonate and Hydroxide	CALC	A034471	N/A	2025/10/22	Automated Statchk
Chloride by Automated Colourimetry	SKAL	A035067	N/A	2025/10/22	Alina Dobreanu
Colour	SPEC	A035428	N/A	2025/10/20	Viorica Rotaru
Conductivity	AT	A035065	N/A	2025/10/21	Surinder Rai
Dissolved Organic Carbon (DOC)	TOCV/NDIR	A035044	N/A	2025/10/20	Gyulshen Idriz
Fluoride	ISE	A035062	2025/10/18	2025/10/21	Surinder Rai
Hardness (calculated as CaCO3)		A034400	N/A	2025/10/21	Automated Statchk
Dissolved Metals by ICPMS	ICP/MS	A034699	N/A	2025/10/17	Azita Fazaeli
Total Ammonia-N	SKAL/NH4	A035938	N/A	2025/10/21	Kruti Jitesh Patel
Nitrate & Nitrite as Nitrogen in Water	LACH	A035006	N/A	2025/10/19	Chandra Nandlal
pH	AT	A035064	2025/10/18	2025/10/21	Surinder Rai
Orthophosphate	SKAL	A035068	N/A	2025/10/21	Alina Dobreanu
Sulphate by Automated Turbidimetry	SKAL	A035069	N/A	2025/10/22	Massarat Jan
Total Dissolved Solids (TDS calc)	CALC	A034549	N/A	2025/10/22	Automated Statchk

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GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	6.0°C
Package 2	6.0°C

Sample AWGV92 [BORED] : Total Phosphorus < ortho-Phosphate: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A034682	GID	Matrix Spike	Dissolved Organic Carbon	2025/10/20		92	%	80 - 120
A034682	GID	Spiked Blank	Dissolved Organic Carbon	2025/10/20		97	%	80 - 120
A034682	GID	Method Blank	Dissolved Organic Carbon	2025/10/20	<0.40		mg/L	
A034682	GID	RPD	Dissolved Organic Carbon	2025/10/20	3.7		%	20
A034699	AFZ	Matrix Spike [AWGV99-04]	Dissolved Aluminum (Al)	2025/10/17		105	%	80 - 120
			Dissolved Antimony (Sb)	2025/10/17		112	%	80 - 120
			Dissolved Arsenic (As)	2025/10/17		102	%	80 - 120
			Dissolved Barium (Ba)	2025/10/17		103	%	80 - 120
			Dissolved Beryllium (Be)	2025/10/17		102	%	80 - 120
			Dissolved Boron (B)	2025/10/17		NC	%	80 - 120
			Dissolved Cadmium (Cd)	2025/10/17		104	%	80 - 120
			Dissolved Calcium (Ca)	2025/10/17		NC	%	80 - 120
			Dissolved Chromium (Cr)	2025/10/17		99	%	80 - 120
			Dissolved Cobalt (Co)	2025/10/17		99	%	80 - 120
			Dissolved Copper (Cu)	2025/10/17		101	%	80 - 120
			Dissolved Iron (Fe)	2025/10/17		101	%	80 - 120
			Dissolved Lead (Pb)	2025/10/17		98	%	80 - 120
			Dissolved Magnesium (Mg)	2025/10/17		NC	%	80 - 120
			Dissolved Manganese (Mn)	2025/10/17		100	%	80 - 120
			Dissolved Molybdenum (Mo)	2025/10/17		105	%	80 - 120
			Dissolved Nickel (Ni)	2025/10/17		98	%	80 - 120
			Dissolved Phosphorus (P)	2025/10/17		108	%	80 - 120
			Dissolved Potassium (K)	2025/10/17		103	%	80 - 120
			Dissolved Selenium (Se)	2025/10/17		103	%	80 - 120
			Dissolved Silicon (Si)	2025/10/17		103	%	80 - 120
			Dissolved Silver (Ag)	2025/10/17		70 (1)	%	80 - 120
			Dissolved Sodium (Na)	2025/10/17		NC	%	80 - 120
			Dissolved Strontium (Sr)	2025/10/17		NC	%	80 - 120
			Dissolved Thallium (Tl)	2025/10/17		98	%	80 - 120
			Dissolved Titanium (Ti)	2025/10/17		102	%	80 - 120
			Dissolved Uranium (U)	2025/10/17		104	%	80 - 120
			Dissolved Vanadium (V)	2025/10/17		102	%	80 - 120
			Dissolved Zinc (Zn)	2025/10/17		100	%	80 - 120
A034699	AFZ	Spiked Blank	Dissolved Aluminum (Al)	2025/10/17		105	%	80 - 120
			Dissolved Antimony (Sb)	2025/10/17		107	%	80 - 120
			Dissolved Arsenic (As)	2025/10/17		99	%	80 - 120
			Dissolved Barium (Ba)	2025/10/17		99	%	80 - 120
			Dissolved Beryllium (Be)	2025/10/17		102	%	80 - 120
			Dissolved Boron (B)	2025/10/17		97	%	80 - 120
			Dissolved Cadmium (Cd)	2025/10/17		100	%	80 - 120
			Dissolved Calcium (Ca)	2025/10/17		107	%	80 - 120
			Dissolved Chromium (Cr)	2025/10/17		98	%	80 - 120
			Dissolved Cobalt (Co)	2025/10/17		98	%	80 - 120
			Dissolved Copper (Cu)	2025/10/17		99	%	80 - 120
			Dissolved Iron (Fe)	2025/10/17		102	%	80 - 120
			Dissolved Lead (Pb)	2025/10/17		98	%	80 - 120
			Dissolved Magnesium (Mg)	2025/10/17		97	%	80 - 120
			Dissolved Manganese (Mn)	2025/10/17		101	%	80 - 120
			Dissolved Molybdenum (Mo)	2025/10/17		101	%	80 - 120
			Dissolved Nickel (Ni)	2025/10/17		98	%	80 - 120

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Dissolved Phosphorus (P)	2025/10/17		98	%	80 - 120
			Dissolved Potassium (K)	2025/10/17		99	%	80 - 120
			Dissolved Selenium (Se)	2025/10/17		103	%	80 - 120
			Dissolved Silicon (Si)	2025/10/17		105	%	80 - 120
			Dissolved Silver (Ag)	2025/10/17		96	%	80 - 120
			Dissolved Sodium (Na)	2025/10/17		100	%	80 - 120
			Dissolved Strontium (Sr)	2025/10/17		102	%	80 - 120
			Dissolved Thallium (Tl)	2025/10/17		98	%	80 - 120
			Dissolved Titanium (Ti)	2025/10/17		103	%	80 - 120
			Dissolved Uranium (U)	2025/10/17		104	%	80 - 120
			Dissolved Vanadium (V)	2025/10/17		98	%	80 - 120
			Dissolved Zinc (Zn)	2025/10/17		100	%	80 - 120
A034699	AFZ	Method Blank	Dissolved Aluminum (Al)	2025/10/17	<4.9		ug/L	
			Dissolved Antimony (Sb)	2025/10/17	<0.50		ug/L	
			Dissolved Arsenic (As)	2025/10/17	<1.0		ug/L	
			Dissolved Barium (Ba)	2025/10/17	<2.0		ug/L	
			Dissolved Beryllium (Be)	2025/10/17	<0.40		ug/L	
			Dissolved Boron (B)	2025/10/17	<10		ug/L	
			Dissolved Cadmium (Cd)	2025/10/17	<0.090		ug/L	
			Dissolved Calcium (Ca)	2025/10/17	<200		ug/L	
			Dissolved Chromium (Cr)	2025/10/17	<5.0		ug/L	
			Dissolved Cobalt (Co)	2025/10/17	<0.50		ug/L	
			Dissolved Copper (Cu)	2025/10/17	<0.90		ug/L	
			Dissolved Iron (Fe)	2025/10/17	<100		ug/L	
			Dissolved Lead (Pb)	2025/10/17	<0.50		ug/L	
			Dissolved Magnesium (Mg)	2025/10/17	<50		ug/L	
			Dissolved Manganese (Mn)	2025/10/17	<2.0		ug/L	
			Dissolved Molybdenum (Mo)	2025/10/17	<0.50		ug/L	
			Dissolved Nickel (Ni)	2025/10/17	<1.0		ug/L	
			Dissolved Phosphorus (P)	2025/10/17	<100		ug/L	
			Dissolved Potassium (K)	2025/10/17	<200		ug/L	
			Dissolved Selenium (Se)	2025/10/17	<2.0		ug/L	
			Dissolved Silicon (Si)	2025/10/17	<50		ug/L	
			Dissolved Silver (Ag)	2025/10/17	<0.090		ug/L	
			Dissolved Sodium (Na)	2025/10/17	<100		ug/L	
			Dissolved Strontium (Sr)	2025/10/17	<1.0		ug/L	
			Dissolved Thallium (Tl)	2025/10/17	<0.050		ug/L	
			Dissolved Titanium (Ti)	2025/10/17	<5.0		ug/L	
			Dissolved Uranium (U)	2025/10/17	<0.10		ug/L	
			Dissolved Vanadium (V)	2025/10/17	<0.50		ug/L	
			Dissolved Zinc (Zn)	2025/10/17	<5.0		ug/L	
A034699	AFZ	RPD [AWGV99-04]	Dissolved Calcium (Ca)	2025/10/17	0.24		%	20
			Dissolved Magnesium (Mg)	2025/10/17	0.40		%	20
			Dissolved Phosphorus (P)	2025/10/17	NC		%	20
			Dissolved Potassium (K)	2025/10/17	0.45		%	20
			Dissolved Sodium (Na)	2025/10/17	0.36		%	20
A034989	C_N	Matrix Spike	Nitrite (N)	2025/10/19		105	%	80 - 120
			Nitrate (N)	2025/10/19		99	%	80 - 120
A034989	C_N	Spiked Blank	Nitrite (N)	2025/10/19		104	%	80 - 120
			Nitrate (N)	2025/10/19		99	%	80 - 120
A034989	C_N	Method Blank	Nitrite (N)	2025/10/19	<0.010		mg/L	

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Nitrate (N)	2025/10/19	<0.10		mg/L	
A034989	C_N	RPD	Nitrite (N)	2025/10/19	NC		%	20
			Nitrate (N)	2025/10/19	NC		%	20
A035006	C_N	Matrix Spike [AWGV95-01]	Nitrite (N)	2025/10/19		102	%	80 - 120
			Nitrate (N)	2025/10/19		104	%	80 - 120
A035006	C_N	Spiked Blank	Nitrite (N)	2025/10/19		103	%	80 - 120
			Nitrate (N)	2025/10/19		99	%	80 - 120
A035006	C_N	Method Blank	Nitrite (N)	2025/10/19	<0.010		mg/L	
			Nitrate (N)	2025/10/19	<0.10		mg/L	
A035006	C_N	RPD [AWGV95-01]	Nitrite (N)	2025/10/19	8.0		%	20
			Nitrate (N)	2025/10/19	1.9		%	20
A035007	C_N	Matrix Spike	Nitrite (N)	2025/10/19		98	%	80 - 120
			Nitrate (N)	2025/10/19		96	%	80 - 120
A035007	C_N	Spiked Blank	Nitrite (N)	2025/10/19		103	%	80 - 120
			Nitrate (N)	2025/10/19		98	%	80 - 120
A035007	C_N	Method Blank	Nitrite (N)	2025/10/19	<0.010		mg/L	
			Nitrate (N)	2025/10/19	<0.10		mg/L	
A035007	C_N	RPD	Nitrite (N)	2025/10/19	NC		%	20
			Nitrate (N)	2025/10/19	1.2		%	20
A035023	GID	Matrix Spike	Dissolved Organic Carbon	2025/10/18		90	%	80 - 120
A035023	GID	Spiked Blank	Dissolved Organic Carbon	2025/10/18		94	%	80 - 120
A035023	GID	Method Blank	Dissolved Organic Carbon	2025/10/18	<0.40		mg/L	
A035023	GID	RPD	Dissolved Organic Carbon	2025/10/18	2.0		%	20
A035044	GID	Matrix Spike [AWGV94-02]	Dissolved Organic Carbon	2025/10/20		91	%	80 - 120
A035044	GID	Spiked Blank	Dissolved Organic Carbon	2025/10/20		96	%	80 - 120
A035044	GID	Method Blank	Dissolved Organic Carbon	2025/10/20	<0.40		mg/L	
A035044	GID	RPD [AWGV94-02]	Dissolved Organic Carbon	2025/10/20	2.7		%	20
A035062	SAU	Matrix Spike [AWGV94-01]	Fluoride (F-)	2025/10/21		97	%	80 - 120
A035062	SAU	Spiked Blank	Fluoride (F-)	2025/10/21		99	%	80 - 120
A035062	SAU	Method Blank	Fluoride (F-)	2025/10/21	<0.10		mg/L	
A035062	SAU	RPD [AWGV94-01]	Fluoride (F-)	2025/10/21	0.95		%	20
A035063	SAU	Spiked Blank	Alkalinity (Total as CaCO3)	2025/10/21		96	%	85 - 115
A035063	SAU	Method Blank	Alkalinity (Total as CaCO3)	2025/10/21	<1.0		mg/L	
A035063	SAU	RPD [AWGV94-01]	Alkalinity (Total as CaCO3)	2025/10/21	2.0		%	20
A035064	SAU	Spiked Blank	pH	2025/10/21		102	%	98 - 103
A035064	SAU	RPD [AWGV94-01]	pH	2025/10/21	0.59		%	N/A
A035065	SAU	Spiked Blank	Conductivity	2025/10/21		101	%	85 - 115
A035065	SAU	Method Blank	Conductivity	2025/10/21	<2.0		umho/cm	
A035065	SAU	RPD [AWGV94-01]	Conductivity	2025/10/21	0.54		%	10
A035067	ADB	Matrix Spike	Dissolved Chloride (Cl-)	2025/10/22		NC	%	80 - 120
A035067	ADB	Spiked Blank	Dissolved Chloride (Cl-)	2025/10/22		102	%	80 - 120
A035067	ADB	Method Blank	Dissolved Chloride (Cl-)	2025/10/22	<1.0		mg/L	
A035067	ADB	RPD	Dissolved Chloride (Cl-)	2025/10/22	0.27		%	20
A035068	ADB	Matrix Spike	Orthophosphate (P)	2025/10/21		97	%	75 - 125
A035068	ADB	Spiked Blank	Orthophosphate (P)	2025/10/21		96	%	80 - 120
A035068	ADB	Method Blank	Orthophosphate (P)	2025/10/21	<0.010		mg/L	
A035068	ADB	RPD	Orthophosphate (P)	2025/10/21	NC		%	20
A035069	MJ1	Matrix Spike	Dissolved Sulphate (SO4)	2025/10/22		95	%	75 - 125

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A035069	MJ1	Spiked Blank	Dissolved Sulphate (SO4)	2025/10/22		99	%	80 - 120
A035069	MJ1	Method Blank	Dissolved Sulphate (SO4)	2025/10/22	<1.0		mg/L	
A035069	MJ1	RPD	Dissolved Sulphate (SO4)	2025/10/22	1.1		%	20
A035428	VRO	Spiked Blank	Colour	2025/10/20		99	%	80 - 120
A035428	VRO	Method Blank	Colour	2025/10/20	<2		TCU	
A035428	VRO	RPD [AWGV87-01]	Colour	2025/10/20	NC		%	25
A035510	VRO	Spiked Blank	Colour	2025/10/20		98	%	80 - 120
A035510	VRO	Method Blank	Colour	2025/10/20	<2		TCU	
A035510	VRO	RPD [AWGV94-01]	Colour	2025/10/20	NC		%	25
A035938	KJP	Matrix Spike [AWGW03-03]	Total Ammonia-N	2025/10/21		102	%	75 - 125
A035938	KJP	Spiked Blank	Total Ammonia-N	2025/10/21		97	%	80 - 120
A035938	KJP	Method Blank	Total Ammonia-N	2025/10/21	<0.050		mg/L	
A035938	KJP	RPD [AWGW03-03]	Total Ammonia-N	2025/10/21	0.035		%	20

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

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Bureau Veritas Job #: C5D0373
Report Date: 2025/10/28

WSP Canada Inc.
Client Project #: CA0052306.5688
Site Location: McCarthy
Sampler Initials: CI

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Louise Harding, Scientific Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

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Exceedance Summary Table – ODWS (2002)

Result Exceedances

Sample ID	Bureau Veritas ID	Parameter	Criteria	Result	DL	UNITS
No Exceedances						

The exceedance summary table is for information purposes only and should not be considered a comprehensive listing or statement of conformance to applicable regulatory guidelines.

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