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# Cathcart Landfill Environmental Monitoring Report

Second  
Semiannual and  
Annual Summary

## 2025



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## 1.0 INTRODUCTION

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The following report presents the results of groundwater, surface water, landfill gas, and associated infrastructure monitoring for the second semiannual monitoring period (*July through December*) of 2025 and the annual 2025 summary environmental monitoring report for the Cathcart Sanitary Landfill (*Landfill, site*). The site is located at 8915 Cathcart Way, just west of the intersection of Cathcart Way and State Route 9 in south-central Snohomish County, Washington. The location of the site relative to existing municipal improvements is shown on the **Vicinity Map (Figure 1)**.

### 1.1 BACKGROUND

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The Cathcart Landfill was designed and permitted in the late 1970s and was operated as a solid waste landfill for 12 years and ceased accepting any new solid waste in June 1992.

The closed landfill is approximately 60 acres in area and is part of a larger County parcel. The Cathcart Landfill is bounded by private residential property to the northwest, north and east and by other Snohomish County facilities to the south and west. Existing site improvements and the site layout are shown on the **Site Map (Figure 2)**, and existing site topography is shown on the **Site Topographic Map (Figure 3)**. Surficial geology of the site area is shown on the **Geologic Map (Figure 4)**.

Leachate is collected and gravity flows to a pretreatment facility, after which it is pumped to the **City of Everett's** Wastewater Treatment Plant for final treatment and discharge. Gas generated by the landfill is collected and extracted through a negatively pressurized system and discharged through an on-site gas flaring facility.

The Landfill is currently permitted for post-closure monitoring by the Snohomish Health District (SHD) with a Solid Waste Facility Permit (SW-011, SHD 2025). Monitoring results are reviewed by both the SHD and the Department of Ecology.

#### 1.1.1 Local and Regional Hydrogeology

Surficial geology of the site area is shown on the Geologic Map (Figure 4). The Cathcart Landfill is located on the northern edge of the Intercity Plateau. Below the Intercity Plateau, sands and gravels of the Advance Outwash (Qva) are the thickest and most productive aquifer - extending from the northern edge of the plateau in the immediate vicinity of the project site southward to Lake Washington. The Cross Valley Sole Source Aquifer is also located below portions of the Intercity Plateau. Its designated boundaries are to the south and upgradient of the project site. Locally, groundwater has been found within the less productive confining beds including Glacial Till (Qvt), Transitional Beds (Qtb) and Siltstone/Sandstone Bedrock (Tb). Water wells completed within the confining bed units will generally provide much lower yields than wells completed within the Advance Outwash (Qva) unit, but the lower production rates may still be sufficient for limited domestic use. Typically, these wells will dry up or have limited use during extended periods of dry weather or during the summer and early fall months.



During previous site investigations, groundwater was encountered within soils mapped as Recessional (Qvr) and Advance Outwash (Qva). Moist to wet conditions were also documented in sandy lenses of the Glacial Till (Qvt) and within discontinuous fractures located within the upper portion of the basal Siltstone and/or Sandstone bedrock (Tb). Groundwater movement through the low permeability Glacial Till (Qvt) and bedrock (Tb) units is complex. In some locations the encountered groundwater was limited, but appeared to be under confined conditions. Initial investigations characterized site groundwater as occurring within two distinct aquifers, labeled shallow (upper) and deep (lower) aquifers. The shallow aquifer included any groundwater encountered above bedrock and/or close to the ground surface and the deep aquifer was considered groundwater found within bedrock or in deeper test borings. There were no aquicludes or aquitards identified between the two aquifers in these investigations and they both respond similarly to precipitation based on the monitoring data.

## 1.2 MONITORING PROGRAM

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The site is currently monitored following the procedures outlined in the current Sampling and Analysis Plan (**SAP**, *Snohomish County, 2020*), which was approved by Ecology and SHD in their letters dated December 11 and 17, 2020, respectively. The SAP included changes to the monitoring program that were proposed in the County's Application of Variance, which was submitted to the SHD in 2018; the changes were conditionally approved by SHD with input from Ecology in their letter dated December 6, 2018. These changes to the monitoring program are summarized as follows:

- **Groundwater Monitoring:** Sample frequency at all wells (*except for G-09S, G-09D, G-10S, and G-10D*) reduced from quarterly to semiannual; reporting for all wells is completed on a semiannual basis. Chemical analytical suites remain unchanged from those specified in the 2006 SAP.
  - Wells G-09S, G-09D, G-10S, and G-10D are sampled quarterly and will be reported in the semiannual monitoring reports. This sample frequency was implemented to address a gap in the data for wells G-09S, G-09D, and G-10S between the third quarter 2013 and the third quarter of 2018. Additionally, low vinyl chloride concentrations detected in those wells historically were to be further evaluated during the additional quarterly monitoring period.

As of the second quarter 2024, statistical analysis for metals in groundwater is performed on total metals instead of dissolved metals per Ecology request. Only two dissolved metals (*iron and manganese*) remain in the statistical analysis suite.

- **Landfill Gas Monitoring:** Quarterly monitoring at all currently monitored gas probes, barholes, vaults, and lift stations will be maintained. This includes probe GP-6, which monitors for landfill gas migration on the northern edge of the Cathcart property, near the closest residences. Gas monitoring results will be included in both semiannual monitoring reports.

- **Surface Water Sampling:** Sample frequency at all monitoring points was reduced to semiannual; two monitoring points (*CC-D1 and CC-J*) were eliminated from the surface water monitoring program based on redundancy/accessibility concerns for those locations. Monitoring results are included in the semiannual monitoring reports. Surface water analytical suites remain unchanged.

#### 1.2.1 Groundwater Monitoring Network

Currently, a total of 17 groundwater monitoring wells (*eight shallow wells and nine deep wells*), are monitored on a semiannual basis. Of these wells, four-(4) are considered upgradient, and 13 are considered to be within the landfill footprint or downgradient site wells. Well locations are shown on the **Monitoring Network Map (Figure 5)**. Groundwater monitoring results are summarized in **Section 2.0** of this report.

#### 1.2.2 Surface Water Monitoring Network

Surface water monitoring stations have been established along Garden Creek and in the site stormwater detention ponds per the **SAP**. The seven surface water sampling locations consist of one sampling location upgradient of the site and six sampling locations within and downgradient of the site. Sampling locations are shown on **Monitoring Network Map (Figure 5)**. Semiannual surface water monitoring results are summarized in **Section 3.0** of this report.

#### 1.2.3 Landfill Gas Monitoring Network

Per the **SAP**, landfill gas monitoring is conducted quarterly and includes measurement of methane, oxygen, and carbon dioxide. The existing gas monitoring system consists of nine gas probes, six permanently-installed barhole probes, seven vaults, 19 manholes, and two lift stations, which surround the landfill. The gas monitoring locations are shown on the **Monitoring Network Maps (Figures 5 and 5a)**. Quarterly landfill gas monitoring results are summarized and discussed in **Section 4.0** of this report.

## 2.0 GROUNDWATER MONITORING

The second semiannual groundwater monitoring events for 2025 were performed by Snohomish County personnel on July 22 and October 7 and 8, 2025.

Depths to water were measured and groundwater samples were collected in accordance with the approved **SAP**. Hydrographs of the historical and current groundwater elevations and precipitation totals are included in **Appendix A**. The **Second Semiannual 2025 Groundwater Measurements** and comparison with the previous monitoring event elevation data (*delta*) are shown in *Table 1* below.

**Table 1 – Second Semiannual 2025 Groundwater Measurements**

| Well Number                        | Sample Date | Top of Casing Elevation<br>(feet above MSL) | Water Elevation<br>(feet above MSL) | Delta*<br>(feet) |
|------------------------------------|-------------|---------------------------------------------|-------------------------------------|------------------|
| Shallow Wells – Third Quarter 2025 |             |                                             |                                     |                  |
| G-09S                              | 7/22/25     | 273.08                                      | 241.43                              | -2.36            |
| G-10S                              | 7/22/25     | 266.94                                      | 242.56                              | -1.69            |

**Table 1 – Second Semiannual 2025 Groundwater Measurements**

| Well Number                                | Sample Date | Top of Casing Elevation<br>(feet above MSL) | Water Elevation<br>(feet above MSL) | Delta*<br>(feet) |
|--------------------------------------------|-------------|---------------------------------------------|-------------------------------------|------------------|
| <b>Shallow Wells – Fourth Quarter 2025</b> |             |                                             |                                     |                  |
| G-01A                                      | 10/7/25     | 229.00                                      | 217.48                              | -2.52            |
| G-04A                                      | 10/7/25     | 286.52                                      | DRY                                 | --               |
| G-08D1                                     | 10/7/25     | 222.02                                      | 190.71                              | -8.90            |
| G-09S                                      | 10/7/25     | 273.08                                      | 240.29                              | -0.96            |
| G-10S                                      | 10/7/25     | 266.94                                      | 241.03                              | -1.53            |
| G-11S                                      | 10/7/25     | 250.74                                      | 228.11                              | -4.80            |
| G-14S                                      | 10/7/25     | 328.76                                      | 312.82                              | -6.73            |
| G-24S                                      | 10/7/25     | 321.13                                      | 306.46                              | -1.86            |
| <b>Deep Wells – Third Quarter 2025</b>     |             |                                             |                                     |                  |
| G-09D                                      | 7/22/25     | 274.60                                      | 221.35                              | -3.00            |
| G-10D                                      | 7/22/25     | 268.32                                      | 237.30                              | -0.74            |
| <b>Deep Wells – Fourth Quarter 2025</b>    |             |                                             |                                     |                  |
| G-01D                                      | 10/7/25     | 229.96                                      | 202.15                              | -3.16            |
| G-02D                                      | 10/7/25     | 242.10                                      | 210.29                              | -3.10            |
| G-06B                                      | 10/7/25     | 246.24                                      | 208.95                              | -3.42            |
| G-08D2                                     | 10/7/25     | 221.62                                      | 211.94                              | -6.35            |
| G-09D                                      | 10/7/25     | 274.60                                      | 220.19                              | -1.16            |
| G-10D                                      | 10/7/25     | 268.32                                      | 237.17                              | -0.13            |
| G-13D                                      | 10/7/25     | 232.17                                      | 217.99                              | -3.27            |
| G-14D                                      | 10/7/25     | 329.58                                      | 297.57                              | -1.47            |
| G-24D                                      | 10/7/25     | 320.51                                      | 300.60                              | -1.80            |

MSL = Mean sea level

\* Delta = Change in groundwater elevation from previous sampling event; wells 09S/09D and 10S/10D are sampled quarterly

**Groundwater Contour Maps** for the shallow and deep zones during 2025 (*i.e., for the second and fourth quarter monitoring events*) are included as **Figures 6a through 6d** of this report.

## 2.2 GROUNDWATER SAMPLING

Four wells were sampled during the first and third quarters (*G-09S, G-09D, G-10S, and G-10D*); 17 wells were sampled during the second quarter, and 16 wells were sampled during the fourth quarter in accordance with the procedures outlined in the **SAP** and the modified schedule in the approved Variance. Well performance was consistent with recent sampling events at all wells.

Samples were transported to Am Test, Inc. of Kirkland, Washington under chain-of-custody for analysis of dissolved metals, volatile organic compounds (VOCs), and conventional chemistry parameters. The analytical results are tabulated in **Appendix B** of this report and discussed below.

## 2.3 EVALUATION OF GROUNDWATER ANALYTICAL RESULTS

Each of the groundwater samples collected during 2025 are compared to the applicable groundwater quality standards which are summarized in **Tables 2 and 3** below and in **Appendix B**. Notable observations or deviations from scope are noted below:

### 2.3.1 Shallow Wells

- Well G-04A did not contain sufficient water for sampling during the fourth quarter monitoring event.

- In general, wells containing detectable total arsenic and manganese also contained similar corresponding dissolved arsenic and manganese concentrations, indicating that these metals occur primarily in the dissolved phase.
- The dissolved iron concentration in well G-10S decreased significantly between the second and third quarter monitoring events.
- The increasing trend in total manganese concentrations in well G-11S continued from last year with a historically high concentration (2620 µg/L) measured during the fourth quarter 2025 monitoring event.
- The VOCs detected in shallow wells during the 2025 sampling events include:
  - Cis-1,2-dichloroethene – well G-10S (*first quarter*), wells G-09S and G-10S (*second through fourth quarters*)
  - Vinyl chloride – well G-09S (*second quarter*)
  - Methyl iodide – wells G-09S and G-10S (*third quarter*)
  - The acetone concentrations detected in multiple wells during the second, third, and fourth quarters are likely artifacts of cross-contamination during sampling or analysis based on the presence of those compounds in the trip blanks during those events.

**Table 2 – Summary of Annual 2025 Shallow Well Standard Exceedances**

| Well Type    | Well ID | Sample Date | Parameter                       | Units     | Result | Groundwater Standard |
|--------------|---------|-------------|---------------------------------|-----------|--------|----------------------|
| Downgradient | G-01A   | 4/1/25      | pH                              | std units | 5.66   | 6.5-8.5              |
|              |         |             | Total arsenic                   | µg/L      | 0.459  | 0.05                 |
|              |         | 10/7/25     | pH                              | std units | 5.15   | 6.5-8.5              |
|              |         |             | Total arsenic                   | µg/L      | 0.197  | 0.05                 |
|              | G-04A   | 4/2/25      | pH                              | std units | 5.29   | 6.5-8.5              |
|              |         |             | Total arsenic                   | µg/L      | 17.03  | 0.05                 |
|              |         |             | Total iron                      | µg/L      | 36100  | 300                  |
|              |         |             | Total manganese                 | µg/L      | 7830   | 50                   |
|              |         |             | Dissolved arsenic               | µg/L      | 13.57  | 0.05                 |
|              |         |             | Dissolved iron                  | µg/L      | 24000  | 300                  |
|              |         |             | Dissolved manganese             | µg/L      | 7400   | 50                   |
|              |         | 10/7/25     | Insufficient water for sampling |           |        |                      |
|              | G-08D1  | 4/2/25      | pH                              | std units | 8.78   | 6.5-8.5              |
|              |         |             | Dissolved sodium                | mg/L      | 104    | 20                   |
|              |         |             | Total arsenic                   | µg/L      | 1.408  | 0.05                 |
|              |         |             | Total iron                      | µg/L      | 4910   | 300                  |
|              |         | 10/7/25     | Dissolved arsenic               | µg/L      | 0.950  | 0.05                 |
|              |         |             | Dissolved sodium                | mg/L      | 107    | 20                   |
|              |         |             | Total arsenic                   | µg/L      | 1.245  | 0.05                 |
|              | G-09S   | 1/14/25     | Total iron                      | µg/L      | 2490   | 300                  |
|              |         |             | Dissolved arsenic               | µg/L      | 1.611  | 0.05                 |
|              |         |             | Conductivity                    | µmhos/cm  | 894    | 700                  |
|              |         |             | pH                              | std units | 5.47   | 6.5-8.5              |
|              |         |             | Dissolved sodium                | mg/L      | 88.5   | 20                   |
|              |         |             | TDS                             | mg/L      | 570    | 500                  |
|              |         |             | Total arsenic                   | µg/L      | 0.783  | 0.05                 |
|              |         |             | Total iron                      | µg/L      | 629    | 300                  |
|              |         |             | Total manganese                 | µg/L      | 87     | 50                   |
|              |         |             | Dissolved arsenic               | µg/L      | 0.890  | 0.05                 |

**Table 2 – Summary of Annual 2025 Shallow Well Standard Exceedances**

| Well Type    | Well ID          | Sample Date | Parameter           | Units     | Result | Groundwater Standard |
|--------------|------------------|-------------|---------------------|-----------|--------|----------------------|
| Downgradient | G-09S<br>(cont.) | 4/2/25      | Conductivity        | µmhos/cm  | 1040   | 700                  |
|              |                  |             | pH                  | std units | 5.67   | 6.5-8.5              |
|              |                  |             | Dissolved sodium    | mg/L      | 100    | 20                   |
|              |                  |             | TDS                 | mg/L      | 728    | 500                  |
|              |                  |             | Total arsenic       | µg/L      | 0.951  | 0.05                 |
|              |                  |             | Total iron          | µg/L      | 448    | 300                  |
|              |                  |             | Total manganese     | µg/L      | 89     | 50                   |
|              |                  |             | Dissolved arsenic   | µg/L      | 0.868  | 0.05                 |
|              |                  | 7/22/25     | Conductivity        | µmhos/cm  | 1010   | 700                  |
|              |                  |             | pH                  | std units | 5.67   | 6.5-8.5              |
|              |                  |             | Dissolved sodium    | mg/L      | 100    | 20                   |
|              |                  |             | TDS                 | mg/L      | 665    | 500                  |
|              |                  |             | Total arsenic       | µg/L      | 1.037  | 0.05                 |
|              |                  |             | Total iron          | µg/L      | 540    | 300                  |
|              |                  |             | Total manganese     | µg/L      | 105    | 50                   |
|              |                  |             | Dissolved arsenic   | µg/L      | 0.866  | 0.05                 |
|              |                  | 10/8/25     | Conductivity        | µmhos/cm  | 948    | 700                  |
|              |                  |             | pH                  | std units | 5.59   | 6.5-8.5              |
|              |                  |             | Dissolved sodium    | mg/L      | 92.3   | 20                   |
|              |                  |             | TDS                 | mg/L      | 582    | 500                  |
|              |                  |             | Total arsenic       | µg/L      | 0.687  | 0.05                 |
|              |                  |             | Total iron          | µg/L      | 380    | 300                  |
|              |                  |             | Total manganese     | µg/L      | 61     | 50                   |
|              |                  |             | Dissolved arsenic   | µg/L      | 0.844  | 0.05                 |
|              | G-10S            | 1/14/25     | Conductivity        | µmhos/cm  | 1220   | 700                  |
|              |                  |             | pH                  | std units | 6.27   | 6.5-8.5              |
|              |                  |             | Dissolved sodium    | mg/L      | 161    | 20                   |
|              |                  |             | Sulfate             | mg/L      | 256    | 250                  |
|              |                  |             | TDS                 | mg/L      | 786    | 500                  |
|              |                  |             | Total arsenic       | µg/L      | 4.978  | 0.05                 |
|              |                  |             | Total iron          | µg/L      | 8850   | 300                  |
|              |                  |             | Total manganese     | µg/L      | 2620   | 50                   |
|              |                  |             | Dissolved arsenic   | µg/L      | 5.780  | 0.05                 |
|              |                  |             | Dissolved iron      | µg/L      | 7720   | 300                  |
|              |                  |             | Dissolved manganese | µg/L      | 2630   | 50                   |
|              |                  | 4/2/25      | Conductivity        | µmhos/cm  | 1180   | 700                  |
|              |                  |             | pH                  | std units | 6.27   | 6.5-8.5              |
|              |                  |             | Dissolved sodium    | mg/L      | 172    | 20                   |
|              |                  |             | Sulfate             | mg/L      | 255    | 250                  |
|              |                  | 4/2/25      | TDS                 | mg/L      | 800    | 500                  |
|              |                  |             | Total arsenic       | µg/L      | 5.706  | 0.05                 |
|              |                  |             | Total iron          | µg/L      | 9520   | 300                  |
|              |                  |             | Total manganese     | µg/L      | 2760   | 50                   |
|              |                  |             | Dissolved arsenic   | µg/L      | 4.355  | 0.05                 |
|              |                  |             | Dissolved iron      | µg/L      | 4800   | 300                  |
|              |                  |             | Dissolved manganese | µg/L      | 2620   | 50                   |

**Table 2 – Summary of Annual 2025 Shallow Well Standard Exceedances**

| Well Type        | Well ID             | Sample Date | Parameter           | Units     | Result | Groundwater Standard |
|------------------|---------------------|-------------|---------------------|-----------|--------|----------------------|
| Downgradient     | G-10S (cont.)       | 7/22/25     | Conductivity        | μmhos/cm  | 1220   | 700                  |
|                  |                     |             | pH                  | std units | 6.25   | 6.5-8.5              |
|                  |                     |             | Dissolved sodium    | mg/L      | 170    | 20                   |
|                  |                     |             | TDS                 | mg/L      | 803    | 500                  |
|                  |                     |             | Total arsenic       | μg/L      | 7.042  | 0.05                 |
|                  |                     |             | Total iron          | μg/L      | 9800   | 300                  |
|                  |                     |             | Total manganese     | μg/L      | 2690   | 50                   |
|                  |                     |             | Dissolved arsenic   | μg/L      | 2.864  | 0.05                 |
|                  |                     | 10/8/25     | Dissolved iron      | μg/L      | 459    | 300                  |
|                  |                     |             | Dissolved manganese | μg/L      | 2680   | 50                   |
|                  |                     |             | Conductivity        | μmhos/cm  | 1240   | 700                  |
|                  |                     |             | pH                  | std units | 6.05   | 6.5-8.5              |
|                  |                     |             | Dissolved sodium    | mg/L      | 163    | 20                   |
|                  |                     |             | TDS                 | mg/L      | 771    | 500                  |
|                  |                     |             | Total arsenic       | μg/L      | 7.755  | 0.05                 |
|                  |                     |             | Total iron          | μg/L      | 7350   | 300                  |
|                  | G-11S               | 4/2/25      | Total manganese     | μg/L      | 2730   | 50                   |
|                  |                     |             | Dissolved arsenic   | μg/L      | 3.522  | 0.05                 |
|                  |                     |             | Dissolved iron      | μg/L      | 1480   | 300                  |
|                  |                     |             | Dissolved manganese | μg/L      | 2670   | 50                   |
| pH               | std units           |             | 5.60                | 6.5-8.5   |        |                      |
| Dissolved sodium | mg/L                |             | 44.9                | 20        |        |                      |
| 10/8/25          | Total arsenic       | μg/L        | 0.821               | 0.05      |        |                      |
|                  | Total manganese     | μg/L        | 669                 | 50        |        |                      |
|                  | Dissolved arsenic   | μg/L        | 0.504               | 0.05      |        |                      |
|                  | Dissolved chromium  | μg/L        | 57                  | 50        |        |                      |
|                  | Dissolved manganese | μg/L        | 123                 | 50        |        |                      |
|                  | pH                  | std units   | 5.79                | 6.5-8.5   |        |                      |
| Upgradient       | G-14S               | 4/1/25      | Dissolved sodium    | mg/L      | 103    | 20                   |
|                  |                     |             | Total arsenic       | μg/L      | 4.229  | 0.05                 |
|                  |                     |             | Total iron          | μg/L      | 6500   | 300                  |
|                  |                     |             | Total manganese     | μg/L      | 121    | 50                   |
|                  |                     |             | Dissolved arsenic   | μg/L      | 4.018  | 0.05                 |
|                  |                     | 10/7/25     | Dissolved sodium    | mg/L      | 103    | 20                   |
|                  |                     |             | Total arsenic       | μg/L      | 3.719  | 0.05                 |
|                  |                     |             | Total iron          | μg/L      | 5670   | 300                  |
|                  |                     |             | Total manganese     | μg/L      | 144    | 50                   |
|                  |                     |             | Dissolved arsenic   | μg/L      | 3.732  | 0.05                 |
|                  | G-24S               | 4/1/25      | pH                  | std units | 6.06   | 6.5-8.5              |
|                  |                     |             | Dissolved sodium    | mg/L      | 78.8   | 20                   |
|                  |                     |             | Total arsenic       | μg/L      | 0.773  | 0.05                 |
|                  |                     |             | Total iron          | μg/L      | 462    | 300                  |
|                  |                     |             | Dissolved arsenic   | μg/L      | 0.591  | 0.05                 |
|                  |                     | 10/7/25     | pH                  | std units | 6.18   | 6.5-8.5              |
|                  |                     |             | Dissolved sodium    | mg/L      | 85.4   | 20                   |
|                  |                     |             | Total arsenic       | μg/L      | 0.54   | 0.05                 |
|                  |                     |             | Total iron          | μg/L      | 475    | 300                  |
|                  |                     |             | Dissolved arsenic   | μg/L      | 0.663  | 0.05                 |

### 2.3.2 Deep Wells

- Of the total metals analyzed, arsenic, iron, and manganese were the most frequently detected.
- In general, wells containing detectable total arsenic and manganese also contained similar corresponding dissolved arsenic and manganese concentrations, indicating that these metals occur primarily in the dissolved phase.
- The VOCs detected in deep wells during the 2025 sampling events include:
  - Cis-1,2-DCE in the first, second, and fourth quarter samples from wells G-09D and G-10D
  - 1,2-DCP in all four samples collected from well G-09D during 2025
  - Vinyl chloride in the first, second, and fourth quarter samples from well G-09D
  - Bromomethane in the third quarter sample from well G-10D
  - Methyl iodide in the third quarter samples from wells G-09D and G-10D
  - Acetone was detected in several deep zone wells during the second through fourth quarters. These detections appear to be artifacts of contamination imparted during the sampling or analysis process.

Only the vinyl chloride concentrations exceeded any applicable groundwater standards for VOCs.

**Table 3 – Summary of Annual 2025 Deep Well Standard Exceedances**

| Well Type    | Well ID | Sample Date | Parameter         | Units     | Result | Groundwater Standard |
|--------------|---------|-------------|-------------------|-----------|--------|----------------------|
| Downgradient | G-01D   | 4/1/25      | pH                | std units | 8.66   | 6.5-8.5              |
|              |         |             | Dissolved sodium  | mg/L      | 130    | 20                   |
|              |         |             | Total arsenic     | µg/L      | 0.624  | 0.05                 |
|              |         |             | Total iron        | µg/L      | 2370   | 300                  |
|              | G-01D   | 10/7/25     | Dissolved arsenic | µg/L      | 0.171  | 0.05                 |
|              |         |             | pH                | std units | 8.66   | 6.5-8.5              |
|              |         |             | Dissolved sodium  | mg/L      | 135    | 20                   |
|              |         |             | Total arsenic     | µg/L      | 1.928  | 0.05                 |
|              | G-02D   | 4/1/25      | Total iron        | µg/L      | 18300  | 300                  |
|              |         |             | Total manganese   | µg/L      | 287    | 50                   |
|              |         |             | Dissolved arsenic | µg/L      | 0.276  | 0.05                 |
|              |         |             | Dissolved sodium  | mg/L      | 80.5   | 20                   |
| Downgradient | G-02D   | 10/7/25     | Total arsenic     | µg/L      | 5.844  | 0.05                 |
|              |         |             | Total iron        | µg/L      | 5700   | 300                  |
|              |         |             | Total manganese   | µg/L      | 81     | 50                   |
|              |         |             | Dissolved arsenic | µg/L      | 6.172  | 0.05                 |
|              | G-06B   | 4/1/25      | Dissolved sodium  | mg/L      | 85.4   | 20                   |
|              |         |             | Total arsenic     | µg/L      | 4.323  | 0.05                 |
|              |         |             | Total iron        | µg/L      | 2920   | 300                  |
|              |         |             | Dissolved arsenic | µg/L      | 4.691  | 0.05                 |
|              | G-06B   | 10/7/25     | Dissolved sodium  | mg/L      | 170    | 20                   |
|              |         |             | Total arsenic     | µg/L      | 4.236  | 0.05                 |
|              |         |             | Total iron        | µg/L      | 1210   | 300                  |
|              |         |             | Dissolved arsenic | µg/L      | 5.367  | 0.05                 |
| Downgradient | G-06B   | 4/1/25      | Dissolved sodium  | mg/L      | 161    | 20                   |
|              |         |             | Total arsenic     | µg/L      | 3.543  | 0.05                 |
|              |         |             | Total iron        | µg/L      | 1610   | 300                  |
|              |         |             | Total manganese   | µg/L      | 72     | 50                   |
|              | G-06B   | 10/7/25     | Dissolved arsenic | µg/L      | 4.735  | 0.05                 |
|              |         |             | Dissolved sodium  | mg/L      | 161    | 20                   |
|              |         |             | Total arsenic     | µg/L      | 3.543  | 0.05                 |
|              |         |             | Total iron        | µg/L      | 1610   | 300                  |
|              | G-06B   | 10/7/25     | Total manganese   | µg/L      | 72     | 50                   |
|              |         |             | Dissolved arsenic | µg/L      | 4.735  | 0.05                 |
|              |         |             | Dissolved sodium  | mg/L      | 161    | 20                   |
|              |         |             | Total arsenic     | µg/L      | 3.543  | 0.05                 |

**Table 3 – Summary of Annual 2025 Deep Well Standard Exceedances**

| Well Type    | Well ID | Sample Date | Parameter           | Units     | Result | Groundwater Standard |
|--------------|---------|-------------|---------------------|-----------|--------|----------------------|
| Downgradient | G-08D2  | 4/1/25      | pH                  | std units | 9.11   | 6.5-8.5              |
|              |         |             | Dissolved sodium    | mg/L      | 103    | 20                   |
|              |         |             | Total arsenic       | µg/L      | 1.578  | 0.05                 |
|              |         |             | Total iron          | µg/L      | 8770   | 300                  |
|              |         |             | Total manganese     | µg/L      | 173    | 50                   |
|              |         |             | Dissolved arsenic   | µg/L      | 0.776  | 0.05                 |
|              |         | 10/7/25     | pH                  | std units | 8.97   | 6.5-8.5              |
|              |         |             | Dissolved sodium    | mg/L      | 101    | 20                   |
|              |         |             | Total arsenic       | µg/L      | 0.874  | 0.05                 |
|              |         |             | Total iron          | µg/L      | 5170   | 300                  |
|              |         |             | Total manganese     | µg/L      | 126    | 50                   |
|              |         |             | Dissolved arsenic   | µg/L      | 0.569  | 0.05                 |
|              | G-09D   | 1/14/25     | pH                  | std units | 8.62   | 6.5-8.5              |
|              |         |             | Dissolved sodium    | mg/L      | 149    | 20                   |
|              |         |             | Total arsenic       | µg/L      | 2.441  | 0.05                 |
|              |         |             | Total iron          | µg/L      | 1880   | 300                  |
|              |         |             | Total manganese     | µg/L      | 90     | 50                   |
|              |         |             | Dissolved arsenic   | µg/L      | 3.138  | 0.05                 |
|              |         |             | Vinyl chloride      | µg/L      | 0.49   | 0.02                 |
|              |         | 4/2/25      | pH                  | std units | 8.80   | 6.5-8.5              |
|              |         |             | Dissolved sodium    | mg/L      | 153    | 20                   |
|              |         |             | Total arsenic       | µg/L      | 3.432  | 0.05                 |
|              |         |             | Total iron          | µg/L      | 2020   | 300                  |
|              |         |             | Total manganese     | µg/L      | 92     | 50                   |
|              |         |             | Dissolved arsenic   | µg/L      | 3.681  | 0.05                 |
|              |         |             | Vinyl chloride      | µg/L      | 0.20   | 0.02                 |
|              |         | 7/22/25     | pH                  | std units | 8.58   | 6.5-8.5              |
|              |         |             | Dissolved sodium    | mg/L      | 151    | 20                   |
|              |         |             | Total arsenic       | µg/L      | 3.653  | 0.05                 |
|              |         |             | Total iron          | µg/L      | 1720   | 300                  |
|              |         |             | Total Manganese     | µg/L      | 79     | 50                   |
|              |         |             | Dissolved arsenic   | µg/L      | 3.682  | 0.05                 |
|              |         | 10/8/25     | Dissolved sodium    | mg/L      | 155    | 20                   |
|              |         |             | Total arsenic       | µg/L      | 3.772  | 0.05                 |
|              |         |             | Total iron          | µg/L      | 3310   | 300                  |
|              |         |             | Total manganese     | µg/L      | 175    | 50                   |
|              |         |             | Dissolved arsenic   | µg/L      | 4.113  | 0.05                 |
|              |         |             | Vinyl chloride      | µg/L      | 0.34   | 0.02                 |
|              | G-10D   | 1/14/25     | Conductivity        | µmhos/cm  | 1450   | 700                  |
|              |         |             | Dissolved sodium    | mg/L      | 314    | 20                   |
|              |         |             | TDS                 | mg/L      | 930    | 500                  |
|              |         |             | Total arsenic       | µg/L      | 1.441  | 0.05                 |
|              |         |             | Total iron          | µg/L      | 372    | 300                  |
|              |         |             | Total manganese     | µg/L      | 270    | 50                   |
|              |         |             | Dissolved arsenic   | µg/L      | 1.463  | 0.05                 |
|              |         |             | Dissolved manganese | µg/L      | 270    | 50                   |
|              |         | 4/2/25      | Conductivity        | µmhos/cm  | 1430   | 700                  |
|              |         |             | Dissolved sodium    | mg/L      | 336    | 20                   |
|              |         |             | TDS                 | mg/L      | 941    | 500                  |
|              |         |             | Total arsenic       | µg/L      | 1.449  | 0.05                 |
|              |         |             | Total iron          | µg/L      | 318    | 300                  |
|              |         |             | Total manganese     | µg/L      | 263    | 50                   |
|              |         |             | Dissolved arsenic   | µg/L      | 1.28   | 0.05                 |
|              |         |             | Dissolved manganese | µg/L      | 271    | 50                   |



**Table 3 – Summary of Annual 2025 Deep Well Standard Exceedances**

| Well Type    | Well ID          | Sample Date | Parameter           | Units     | Result | Groundwater Standard |
|--------------|------------------|-------------|---------------------|-----------|--------|----------------------|
| Downgradient | G-10D<br>(cont.) | 7/22/25     | Conductivity        | µmhos/cm  | 1450   | 700                  |
|              |                  |             | Dissolved sodium    | mg/L      | 309    | 20                   |
|              |                  |             | TDS                 | mg/L      | 909    | 500                  |
|              |                  |             | Total arsenic       | µg/L      | 1.216  | 0.05                 |
|              |                  |             | Total manganese     | µg/L      | 211    | 50                   |
|              |                  |             | Dissolved arsenic   | µg/L      | 1.373  | 0.05                 |
|              |                  |             | Dissolved manganese | µg/L      | 196    | 50                   |
|              |                  | 10/8/25     | Conductivity        | µmhos/cm  | 1450   | 700                  |
|              |                  |             | Dissolved sodium    | mg/L      | 309    | 20                   |
|              |                  |             | TDS                 | mg/L      | 909    | 500                  |
|              |                  |             | Total arsenic       | µg/L      | 1.216  | 0.05                 |
|              |                  |             | Total manganese     | µg/L      | 211    | 50                   |
|              |                  |             | Dissolved arsenic   | µg/L      | 1.373  | 0.05                 |
| Upgradient   | G-13D            | 4/2/25      | pH                  | std units | 8.64   | 6.5-8.5              |
|              |                  |             | Dissolved sodium    | mg/L      | 105    | 20                   |
|              |                  |             | Total arsenic       | µg/L      | 0.426  | 0.05                 |
|              |                  |             | Total iron          | µg/L      | 768    | 300                  |
|              |                  |             | Dissolved arsenic   | µg/L      | 0.166  | 0.05                 |
|              |                  | 10/8/25     | pH                  | std units | 8.53   | 6.5-8.5              |
|              |                  |             | Dissolved sodium    | mg/L      | 108    | 20                   |
|              |                  |             | Total arsenic       | µg/L      | 0.218  | 0.05                 |
|              |                  |             | Total iron          | µg/L      | 446    | 300                  |
|              |                  |             | Dissolved arsenic   | µg/L      | 0.188  | 0.05                 |
|              | G-14D            | 4/1/25      | pH                  | std units | 8.89   | 6.5-8.5              |
|              |                  |             | Dissolved sodium    | mg/L      | 114    | 20                   |
|              |                  |             | Total arsenic       | µg/L      | 1.071  | 0.05                 |
|              |                  |             | Total iron          | µg/L      | 4820   | 300                  |
|              |                  |             | Total manganese     | µg/L      | 51     | 50                   |
|              |                  |             | Dissolved arsenic   | µg/L      | 0.855  | 0.05                 |
|              | G-24D            | 10/7/25     | pH                  | std units | 8.77   | 6.5-8.5              |
|              |                  |             | Dissolved sodium    | mg/L      | 111    | 20                   |
|              |                  |             | Total arsenic       | µg/L      | 1.186  | 0.05                 |
|              |                  |             | Total iron          | µg/L      | 7780   | 300                  |
|              |                  |             | Total manganese     | µg/L      | 113    | 50                   |
|              |                  |             | Dissolved arsenic   | µg/L      | 0.891  | 0.05                 |
|              |                  | 4/1/25      | Dissolved sodium    | mg/L      | 118    | 20                   |
|              |                  |             | Total arsenic       | µg/L      | 0.213  | 0.05                 |
|              |                  | 10/7/25     | Dissolved arsenic   | µg/L      | 0.084  | 0.05                 |
|              |                  |             | Sodium              | mg/L      | 114    | 20                   |
|              |                  |             | Total arsenic       | µg/L      | 0.097  | 0.05                 |

## 2.4 STATISTICAL EVALUATION

Where exceedances to the WAC groundwater standards occur, statistical analysis is performed as specified in the **SAP** using **DUMPStat Statistical Software** (Version 3.0 by Robert D. Gibbons Ltd., 2018) to determine the significance of the change.

Details regarding the statistical analyses are found in the SAP and in monitoring reports submitted prior to 2019. Per **Ecology** and **Snohomish Health District** request, the statistical prediction limits for each groundwater zone were previously updated in the first quarter of the year and

subsequent data sets were compared against that prediction limit. However, since the first semiannual monitoring event for all wells does not occur until the second quarter, the prediction limits are updated annually following the second quarter sampling event.

#### 2.4.1 Shallow Groundwater Well Statistical Results

Analytes that exceeded the calculated prediction limits in the shallow zone wells and the observed concentration trends are summarized in **Tables 4 and 5** below and **Appendix B**. Plots of the shallow zone groundwater statistical analyses are included in **Appendix C**.

**Table 4 – Summary of Annual 2025 Shallow Well Prediction Limit Exceedances**

| Well Type    | Well ID | Sample Date | Parameter                             | Units             | Result       | Prediction Limit      |
|--------------|---------|-------------|---------------------------------------|-------------------|--------------|-----------------------|
| Downgradient | G-01A   | 4/1/25      | None                                  | --                | --           | --                    |
|              |         | 10/7/25     | Dissolved calcium<br>pH               | mg/L<br>std units | 21.2<br>5.15 | 19.3274<br>5.48-10.60 |
|              | G-04A   | 4/2/25      | Alkalinity                            | mg/L              | 259          | 230                   |
|              |         |             | Bicarbonate                           | mg/L              | 259          | 210                   |
|              |         |             | Dissolved calcium                     | mg/L              | 49.8         | 19.3274               |
|              |         |             | COD                                   | mg/L              | 25.6         | 18                    |
|              |         |             | Chloride                              | mg/L              | 27.5         | 16.2298               |
|              |         |             | Conductivity                          | µmhos/cm          | 542          | 500                   |
|              |         |             | Dissolved magnesium<br>pH             | mg/L<br>std units | 30.3<br>5.29 | 5.6654<br>5.48-10.60  |
|              |         |             | Dissolved potassium                   | mg/L              | 2.42         | 1.5118                |
|              |         |             | TDS                                   | mg/L              | 401          | 355.2763              |
|              |         |             | Total arsenic                         | µg/L              | 17.03        | 4.8                   |
|              |         |             | Total manganese                       | µg/L              | 7830         | 487                   |
|              |         |             | Dissolved iron                        | µg/L              | 24000        | 10053.8               |
|              |         |             | Dissolved manganese                   | µg/L              | 7400         | 29.4                  |
|              |         | 10/7/25     | Not sampled due to insufficient water |                   |              |                       |
|              | G-08D1  | 4/1/25      | None                                  | --                | --           | --                    |
|              |         | 10/7/25     | None                                  | --                | --           | --                    |
|              | G-09S   | 1/14/25     | Alkalinity                            | mg/L              | 360          | 230                   |
|              |         |             | Bicarbonate                           | mg/L              | 360          | 210                   |
|              |         |             | Dissolved calcium                     | mg/L              | 76.5         | 20.0173               |
|              |         |             | Conductivity                          | µmhos/cm          | 894          | 540                   |
|              |         |             | Dissolved magnesium<br>pH             | mg/L<br>std units | 31.1<br>5.47 | 28.2158<br>6.60-9.34  |
|              |         |             | Dissolved potassium                   | mg/L              | 5.42         | 1.5082                |
|              |         |             | TDS                                   | mg/L              | 570          | 364.0196              |
|              |         |             | Total silver                          | µg/L              | 1.692        | 0.6                   |
|              |         |             | Total vanadium                        | µg/L              | 55           | 43                    |
|              |         | 4/2/25      | Alkalinity                            | mg/L              | 358          | 230                   |
|              |         |             | Bicarbonate                           | mg/L              | 358          | 210                   |
|              |         |             | Dissolved calcium                     | mg/L              | 82.1         | 19.3274               |
|              |         |             | Conductivity                          | µmhos/cm          | 1040         | 500                   |
|              |         | 4/2/25      | Dissolved magnesium<br>pH             | mg/L<br>std units | 32.6<br>5.89 | 5.6654<br>1.5118      |
|              |         |             | Dissolved potassium                   | mg/L              | 5.89         | 1.5118                |
|              |         |             | TDS                                   | mg/L              | 728          | 355.2763              |
|              |         |             | Total silver                          | µg/L              | 0.73         | 0.6                   |

**Table 4 – Summary of Annual 2025 Shallow Well Prediction Limit Exceedances**

| Well Type    | Well ID | Sample Date | Parameter           | Units     | Result | Prediction Limit |
|--------------|---------|-------------|---------------------|-----------|--------|------------------|
| Downgradient | G-09S   | 7/22/25     | Alkalinity          | mg/L      | 363    | 230              |
|              |         |             | Bicarbonate         | mg/L      | 363    | 210              |
|              |         |             | Dissolved calcium   | mg/L      | 86.0   | 19.3274          |
|              |         |             | COD                 | mg/L      | 41.4   | 18               |
|              |         |             | Conductivity        | µmhos/cm  | 1010   | 500              |
|              |         |             | Dissolved magnesium | mg/L      | 31.3   | 5.6654           |
|              |         |             | Dissolved potassium | mg/L      | 5.48   | 1.5118           |
|              |         |             | TDS                 | mg/L      | 665    | 355.2763         |
|              |         |             | Total silver        | µg/L      | 1.056  | 0.6              |
|              |         | 10/8/25     | Alkalinity          | mg/L      | 354    | 230              |
|              |         |             | Bicarbonate         | mg/L      | 354    | 210              |
|              |         |             | Dissolved calcium   | mg/L      | 76.7   | 19.3274          |
|              |         |             | Conductivity        | µmhos/cm  | 948    | 500              |
|              |         |             | Dissolved magnesium | mg/L      | 30     | 5.6654           |
|              |         |             | Dissolved potassium | mg/L      | 5.27   | 1.5118           |
|              |         |             | TDS                 | mg/L      | 582    | 355.2763         |
|              |         |             | Total silver        | µg/L      | 1.242  | 0.6              |
|              | G-10S   | 1/14/25     | Alkalinity          | mg/L      | 432    | 230              |
|              |         |             | Bicarbonate         | mg/L      | 432    | 210              |
|              |         |             | Dissolved calcium   | mg/L      | 86.8   | 20.0173          |
|              |         |             | Conductivity        | µmhos/cm  | 1220   | 540              |
|              |         |             | pH                  | std units | 6.27   | 6.60-9.34        |
|              |         |             | Dissolved potassium | mg/L      | 3.79   | 1.5082           |
|              |         |             | Dissolved sodium    | mg/L      | 161    | 114              |
|              |         |             | TDS                 | mg/L      | 786    | 364.0196         |
|              |         |             | Total arsenic       | µg/L      | 4.978  | 4.9              |
|              |         |             | Total manganese     | µg/L      | 2620   | 487              |
|              |         |             | Total vanadium      | µg/L      | 79     | 43               |
|              |         | 4/2/25      | Alkalinity          | mg/L      | 428    | 230              |
|              |         |             | Bicarbonate         | mg/L      | 428    | 210              |
|              |         |             | Dissolved calcium   | mg/L      | 83.4   | 19.3274          |
|              |         |             | Conductivity        | µmhos/cm  | 1180   | 500              |
|              |         |             | Dissolved magnesium | mg/L      | 20.7   | 5.6654           |
|              |         |             | Dissolved potassium | mg/L      | 4.07   | 1.5118           |
|              |         |             | Dissolved sodium    | mg/L      | 172    | 120.4794         |
|              |         |             | TDS                 | mg/L      | 800    | 355.2763         |
|              |         | 7/22/25     | Total arsenic       | µg/L      | 5.706  | 4.8              |
|              |         |             | Total manganese     | µg/L      | 2760   | 487              |
|              |         |             | Dissolved manganese | µg/L      | 2620   | 29.4             |
|              |         |             | Alkalinity          | mg/L      | 384    | 230              |
|              |         |             | Bicarbonate         | mg/L      | 384    | 210              |
|              |         |             | Dissolved calcium   | mg/L      | 87.3   | 19.3274          |
|              |         |             | Conductivity        | µmhos/cm  | 1220   | 500              |
|              |         |             | Dissolved potassium | mg/L      | 3.55   | 1.5118           |
|              |         |             | Dissolved sodium    | mg/L      | 170    | 120.4794         |
|              |         |             | TDS                 | mg/L      | 803    | 355.2763         |
|              |         |             | Total arsenic       | µg/L      | 7.042  | 4.8              |
|              |         |             | Total manganese     | µg/L      | 2690   | 487              |

**Table 4 – Summary of Annual 2025 Shallow Well Prediction Limit Exceedances**

| Well Type    | Well ID       | Sample Date | Parameter           | Units    | Result | Prediction Limit |
|--------------|---------------|-------------|---------------------|----------|--------|------------------|
| Downgradient | G-10S (cont.) | 10/8/25     | Alkalinity          | mg/L     | 439    | 230              |
|              |               |             | Bicarbonate         | mg/L     | 439    | 210              |
|              |               |             | Dissolved calcium   | mg/L     | 82.3   | 19.3274          |
|              |               |             | Conductivity        | µmhos/cm | 1240   | 500              |
|              |               |             | Dissolved magnesium | mg/L     | 20.8   | 5.6654           |
|              |               |             | Dissolved potassium | mg/L     | 3.73   | 1.5118           |
|              |               |             | Dissolved sodium    | mg/L     | 163    | 120.4794         |
|              |               |             | TDS                 | mg/L     | 771    | 355.2763         |
|              |               |             | Total arsenic       | µg/L     | 7.755  | 4.8              |
|              |               |             | Total manganese     | µg/L     | 2730   | 487              |
| Downgradient | G-11S         | 4/2/25      | Dissolved manganese | µg/L     | 2670   | 29.4             |
|              |               |             | Total manganese     | µg/L     | 669    | 487              |
|              |               | 10/8/25     | Total cobalt        | µg/L     | 18     | 7                |
|              |               |             | Total manganese     | µg/L     | 2070   | 487              |
|              |               |             | Dissolved manganese | µg/L     | 62     | 29.4             |
| Upgradient   | G-14S         | 4/1/25      | None                | --       | --     | --               |
|              |               | 10/7/25     | None                | --       | --     | --               |
|              | G-24S         | 4/1/25      | None                | --       | --     | --               |
|              |               | 10/7/25     | None                | --       | --     | --               |

Significant increasing and decreasing concentration trends for the second semiannual 2025 monitoring events and for 2025 overall were noted in shallow groundwater, as summarized in **Table 5** below.

**Table 5 – Significant Trends, Shallow Wells 2025**

| Well               | Date    | Significant Trends     |                                                               |                                                                                                                                   |                                                               |
|--------------------|---------|------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
|                    |         | Second Semiannual 2025 |                                                               | 2025 Overall                                                                                                                      |                                                               |
|                    |         | Increasing             | Decreasing                                                    | Increasing                                                                                                                        | Decreasing                                                    |
| Downgradient Wells |         |                        |                                                               |                                                                                                                                   |                                                               |
| G-01A              | 10/7/25 | None                   | Sulfate                                                       | None                                                                                                                              | Sulfate                                                       |
| G-04A              | 10/7/25 | NS                     | NS                                                            | Dissolved calcium, conductivity, dissolved magnesium, dissolved potassium, dissolved sodium, total manganese, dissolved manganese | None                                                          |
| G-08D1             |         | Ammonia                | Chloride, sulfate                                             | Ammonia                                                                                                                           | Chloride, sulfate                                             |
| G-09S              | 7/22/25 | None                   | pH, sulfate, total lead, total manganese, dissolved manganese | None                                                                                                                              | pH, sulfate, total lead, total manganese, dissolved manganese |
| G-09S              | 10/8/25 | None                   | pH, sulfate, total lead, total manganese, dissolved manganese |                                                                                                                                   |                                                               |

Table 5 – Significant Trends, Shallow Wells 2025

| Well                    | Date    | Significant Trends                   |                                                                                                                                              |                                                           |                                                                                                                                      |
|-------------------------|---------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
|                         |         | Second Semiannual 2025               |                                                                                                                                              | 2025 Overall                                              |                                                                                                                                      |
|                         |         | Increasing                           | Decreasing                                                                                                                                   | Increasing                                                | Decreasing                                                                                                                           |
| G-10S                   | 7/22/25 | None                                 | Dissolved calcium, chloride, dissolved magnesium, sulfate, TDS, total iron, total manganese, dissolved iron, dissolved manganese             | None                                                      | Dissolved calcium, chloride, dissolved magnesium, pH, sulfate, TDS, total iron, total manganese, dissolved iron, dissolved manganese |
| G-10S                   | 10/8/25 | None                                 | Dissolved calcium, chloride, dissolved magnesium, <b>pH</b> , sulfate, TDS, total iron, total manganese, dissolved iron, dissolved manganese |                                                           |                                                                                                                                      |
| G-11S                   | 10/8/25 | Total manganese, dissolved manganese | None                                                                                                                                         | Dissolved magnesium, total manganese, dissolved manganese | Dissolved sodium                                                                                                                     |
| <b>Upgradient Wells</b> |         |                                      |                                                                                                                                              |                                                           |                                                                                                                                      |
| G-14S                   | 10/7/25 | <b>Total arsenic, total barium</b>   | Dissolved calcium, chloride                                                                                                                  | Total arsenic, total barium                               | Dissolved calcium, chloride, nitrate                                                                                                 |
| G-24S                   | 10/7/25 | <b>Total arsenic</b>                 | Dissolved calcium, chloride, dissolved potassium, sulfate                                                                                    | Total arsenic                                             | Dissolved calcium, chloride, dissolved potassium, sulfate                                                                            |

Constituents in **bold** (if any) indicate a new trend noted since the previous monitoring period

NS = Not sampled due to insufficient water

Decreasing trends in the shallow wells outnumbered increasing trends during all four 2025 sampling events, including the first quarter sampling event (*14 decreasing/0 increasing*), second quarter sampling event (*24 decreasing/10 increasing*), third quarter sampling event (*14 decreasing/0 increasing*), and fourth quarter sampling event (*24 decreasing/6 increasing*). During 2025, increasing trends were limited to downgradient wells G-04A, G-08D1, and G-11S, and upgradient wells G-14S and G-24S.

#### 2.4.2 Deep Groundwater Well Statistical Results

Analytes that exceeded the calculated prediction limits in the deep zone wells and the observed concentration trends for the second semiannual 2025 events are summarized in **Tables 6 and 7** below and in **Appendix B**. Plots of the deep zone groundwater statistical analyses are included in **Appendix C**.

**Table 6 – Summary of Annual 2025 Deep Well Prediction Limit Exceedances**

| Well Type    | Well ID | Sample Date | Parameter           | Units     | Result | Prediction Limit |
|--------------|---------|-------------|---------------------|-----------|--------|------------------|
| Downgradient | G-01D   | 4/1/25      | Chloride            | mg/L      | 7.60   | 6.6              |
|              |         |             | Conductivity        | µmhos/cm  | 585    | 530              |
|              |         |             | TDS                 | mg/L      | 366    | 355              |
|              |         | 10/7/25     | Chloride            | mg/L      | 7.0    | 6.6              |
|              |         |             | Conductivity        | µmhos/cm  | 572    | 530              |
|              |         |             | Total barium        | µg/L      | 144    | 43.9             |
|              |         |             | Total lead          | µg/L      | 6.688  | 1.9              |
|              |         |             | Total zinc          | µg/L      | 43     | 38               |
|              | G-02D   | 4/1/25      | pH                  | std units | 6.90   | 7.85-9.88        |
|              |         |             | Total barium        | µg/L      | 46     | 43.9             |
|              |         |             | Total copper        | µg/L      | 17     | 15               |
|              |         | 10/7/25     | pH                  | std units | 6.68   | 7.85-9.88        |
|              |         |             | Total copper        | µg/L      | 36     | 15               |
|              |         |             | Total lead          | µg/L      | 2.207  | 1.9              |
|              | G-06B   | 4/1/25      | Chloride            | mg/L      | 7.39   | 6.6              |
|              |         |             | Conductivity        | µmhos/cm  | 663    | 530              |
|              |         |             | Nitrate             | mg/L      | 0.327  | 0.28             |
|              |         |             | pH                  | std units | 7.34   | 7.85-9.88        |
|              |         |             | Dissolved sodium    | mg/L      | 170    | 137.4934         |
|              |         |             | TDS                 | mg/L      | 407    | 355              |
|              |         | 10/7/25     | Chloride            | mg/L      | 7.29   | 6.6              |
|              |         |             | Conductivity        | µmhos/cm  | 650    | 530              |
|              | G-08D2  | 4/1/25      | pH                  | std units | 7.29   | 7.85-9.88        |
|              |         |             | Dissolved sodium    | mg/L      | 161    | 137.4934         |
|              |         | 10/7/25     | TDS                 | mg/L      | 410    | 355              |
|              |         |             | Total barium        | µg/L      | 46     | 43.9             |
|              | G-09D   | 4/1/25      | Total manganese     | µg/L      | 173    | 152              |
|              |         |             | None                | --        | --     | --               |
|              |         | 1/14/25     | Conductivity        | µmhos/cm  | 637    | 530              |
|              |         |             | Dissolved sodium    | mg/L      | 149    | 137.2145         |
|              |         |             | Sulfate             | mg/L      | 108    | 66.05            |
|              |         |             | TDS                 | mg/L      | 377    | 355              |
|              |         |             | Total vanadium      | µg/L      | 55     | 43               |
|              |         |             | Dissolved manganese | µg/L      | 21     | 19               |
|              |         | 4/2/25      | Conductivity        | µmhos/cm  | 618    | 530              |
|              |         |             | Dissolved sodium    | mg/L      | 153    | 137.4934         |
|              |         | 7/22/25     | TDS                 | mg/L      | 395    | 355              |
|              |         |             | Conductivity        | µmhos/cm  | 672    | 530              |
|              |         |             | Dissolved sodium    | mg/L      | 151    | 137.2145         |
|              |         |             | TDS                 | mg/L      | 425    | 355              |
| Downgradient |         | 10/8/25     | Chloride            | mg/L      | 7.23   | 6.6              |
|              |         |             | Conductivity        | mg/L      | 698    | 530              |
|              |         |             | Nitrate             | mg/L      | 0.626  | 0.28             |
|              |         |             | Dissolved sodium    | mg/L      | 155    | 137.4934         |
|              |         |             | TDS                 | mg/L      | 395    | 355              |
|              |         |             | Total lead          | µg/L      | 3.88   | 1.9              |
|              |         |             | Total manganese     | µg/L      | 175    | 152              |

**Table 6 – Summary of Annual 2025 Deep Well Prediction Limit Exceedances**

| Well Type           | Well ID | Sample Date | Parameter           | Units     | Result     | Prediction Limit |       |       |
|---------------------|---------|-------------|---------------------|-----------|------------|------------------|-------|-------|
| Downgradient        | G-10D   | 1/14/25     | Alkalinity          | mg/L      | 507        | 280              |       |       |
|                     |         |             | Ammonia             | mg/L      | 0.328      | 0.2465           |       |       |
|                     |         |             | Bicarbonate         | mg/L      | 507        | 280              |       |       |
|                     |         |             | Dissolved calcium   | mg/L      | 16.6       | 1.59             |       |       |
|                     |         |             | Chloride            | mg/L      | 16.6       | 6.86             |       |       |
|                     |         |             | Conductivity        | µmhos/cm  | 1450       | 530              |       |       |
|                     |         |             | pH                  | std units | 6.63       | 7.42-9.88        |       |       |
|                     |         |             | Dissolved potassium | mg/L      | 1.68       | 1.45             |       |       |
|                     |         |             | Dissolved sodium    | mg/L      | 314        | 137.2145         |       |       |
|                     |         |             | Sulfate             | mg/L      | 250        | 66.05            |       |       |
|                     |         |             | TDS                 | mg/L      | 930        | 355              |       |       |
|                     |         |             | Total manganese     | µg/L      | 270        | 152              |       |       |
|                     |         |             | Total vanadium      | µg/L      | 86         | 43               |       |       |
|                     |         |             | Dissolved manganese | µg/L      | 270        | 19               |       |       |
|                     |         | 4/2/25      | Alkalinity          | mg/L      | 516        | 280              |       |       |
|                     |         |             | Ammonia             | mg/L      | 0.295      | 0.249            |       |       |
|                     |         |             | Bicarbonate         | mg/L      | 516        | 280              |       |       |
|                     |         |             | Dissolved calcium   | mg/L      | 16.3       | 1.59             |       |       |
|                     |         |             | Chloride            | mg/L      | 17.9       | 6.6              |       |       |
|                     |         |             | Conductivity        | µmhos/cm  | 1430       | 530              |       |       |
|                     |         |             | pH                  | std units | 6.61       | 7.85-9.88        |       |       |
|                     |         |             | Dissolved sodium    | mg/L      | 336        | 137.4934         |       |       |
|                     |         |             | Sulfate             | mg/L      | 349        | 220.0831         |       |       |
|                     |         |             | TDS                 | mg/L      | 941        | 355              |       |       |
|                     |         |             | Total manganese     | µg/L      | 263        | 152              |       |       |
|                     |         |             | Dissolved manganese | µg/L      | 271        | 19               |       |       |
|                     |         |             |                     | 7/22/25   | Alkalinity | mg/L             | 500   | 280   |
|                     |         |             |                     |           | Ammonia    | mg/L             | 0.287 | 0.249 |
| Bicarbonate         |         | mg/L        |                     |           | 432        | 280              |       |       |
| Dissolved calcium   |         | mg/L        |                     |           | 15.2       | 1.59             |       |       |
| Chloride            |         | mg/L        |                     |           | 17.0       | 6.6              |       |       |
| Conductivity        |         | µmhos/cm    |                     |           | 1440       | 530              |       |       |
| pH                  |         | std units   |                     |           | 6.97       | 7.85-9.88        |       |       |
| Dissolved potassium |         | mg/L        |                     |           | 1.62       | 3.0602           |       |       |
| Dissolved sodium    |         | mg/L        |                     |           | 322        | 137.4934         |       |       |
| Sulfate             |         | mg/L        |                     |           | 244        | 220.0831         |       |       |
| TDS                 |         | mg/L        |                     |           | 922        | 355              |       |       |
| Total manganese     |         | µg/L        |                     |           | 219        | 152              |       |       |
| Dissolved manganese |         | µg/L        |                     |           | 211        | 19               |       |       |

**Table 6 – Summary of Annual 2025 Deep Well Prediction Limit Exceedances**

| Well Type    | Well ID       | Sample Date | Parameter           | Units     | Result | Prediction Limit |
|--------------|---------------|-------------|---------------------|-----------|--------|------------------|
| Downgradient | G-10D (cont.) | 10/8/25     | Alkalinity          | mg/L      | 493    | 280              |
|              |               |             | Ammonia             | mg/L      | 0.264  | 0.249            |
|              |               |             | Bicarbonate         | mg/L      | 493    | 280              |
|              |               |             | Dissolved calcium   | mg/L      | 14.9   | 1.59             |
|              |               |             | Chloride            | mg/L      | 18.8   | 6.6              |
|              |               |             | Conductivity        | µmhos/cm  | 1450   | 530              |
|              |               |             | pH                  | std units | 6.71   | 7.85-9.88        |
|              |               |             | Dissolved sodium    | mg/L      | 309    | 137.4934         |
|              |               |             | Sulfate             | mg/L      | 226    | 220.0831         |
|              |               |             | TDS                 | mg/L      | 909    | 355              |
|              |               |             | Total manganese     | µg/L      | 211    | 152              |
|              |               |             | Dissolved manganese | µg/L      | 196    | 19               |
| Upgradient   | G-13D         | 4/2/25      | Chloride            | mg/L      | 13.1   | 6.6              |
|              |               | 10/8/25     | Chloride            | mg/L      | 11.9   | 6.6              |
|              | G-14D         | 4/1/25      | None                | --        | --     | --               |
|              |               | 10/7/25     | None                | --        | --     | --               |
|              |               | 4/1/25      | None                | --        | --     | --               |
|              |               | 10/7/25     | None                | --        | --     | --               |

The trends noted in deep wells during the first semiannual event are summarized in **Table 7** below and in **Appendix B**. Decreasing trends in the deep wells outnumbered increasing trends during all four 2025 sampling events, including the first quarter sampling event (10 decreasing/0 increasing), second quarter event (26 decreasing/3 increasing), third quarter sampling event (9 decreasing/0 increasing), and fourth quarter sampling event (23 decreasing/3 increasing). Only one of the increasing trends during 2025 was noted in an upgradient well during the second quarter event (sodium, well G-24D).

**Table 7 – Significant Trends, Deep Wells 2025**

| Well               | Date    | Significant Trends     |                                                         |               |                                                        |
|--------------------|---------|------------------------|---------------------------------------------------------|---------------|--------------------------------------------------------|
|                    |         | Second Semiannual 2025 |                                                         | 2025 Overall  |                                                        |
|                    |         | Increasing             | Decreasing                                              | Increasing    | Decreasing                                             |
| Downgradient Wells |         |                        |                                                         |               |                                                        |
| G-01D              | 10/7/25 | None                   | Alkalinity, dissolved calcium, conductivity, <b>TOC</b> | None          | Alkalinity, dissolved calcium, conductivity, TOC       |
| G-02D              | 10/7/25 | Total arsenic          | Dissolved calcium, chloride, nitrate, pH, sulfate       | Total arsenic | Dissolved calcium, chloride, nitrate, pH, sulfate, TDS |
| G-06B              | 10/7/25 | Total arsenic          | Dissolved calcium, sulfate                              | Total arsenic | Dissolved calcium, chloride, sulfate                   |
| G-08D2             | 10/7/25 | None                   | Dissolved calcium, chloride                             | None          | Dissolved calcium, chloride                            |



Table 7 – Significant Trends, Deep Wells 2025

| Well                    | Date    | Significant Trends     |                                                                                                                                |                              |                                                                                                                                          |
|-------------------------|---------|------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
|                         |         | Second Semiannual 2025 |                                                                                                                                | 2025 Overall                 |                                                                                                                                          |
|                         |         | Increasing             | Decreasing                                                                                                                     | Increasing                   | Decreasing                                                                                                                               |
| G-09D                   | 7/22/25 | None                   | Chloride                                                                                                                       | None                         | Chloride, total arsenic                                                                                                                  |
|                         | 10/8/25 | None                   | Chloride                                                                                                                       |                              |                                                                                                                                          |
| G-10D                   | 7/22/25 | None                   | Dissolved calcium, dissolved magnesium, sulfate, <b>TDS</b> , total iron, total manganese, dissolved iron, dissolved manganese | None                         | Dissolved calcium, chloride, dissolved magnesium, sulfate, <b>TDS</b> , total iron, total manganese, dissolved iron, dissolved manganese |
|                         | 10/8/25 | None                   | Dissolved calcium, dissolved magnesium, sulfate, <b>TDS</b> , total iron, total manganese, dissolved iron, dissolved manganese |                              |                                                                                                                                          |
| G-13D                   | 10/8/25 | None                   | Sulfate                                                                                                                        | None                         | Sulfate                                                                                                                                  |
| <b>Upgradient Wells</b> |         |                        |                                                                                                                                |                              |                                                                                                                                          |
| G-14D                   | 10/7/25 | None                   | None                                                                                                                           | None                         | Chloride                                                                                                                                 |
| G-24D                   | 10/7/25 | Ammonia                | None                                                                                                                           | Ammonia, dissolved potassium | None                                                                                                                                     |

Constituents in **bold** indicate a new trend noted since the previous monitoring period

### 3.0 SURFACE WATER MONITORING

**Snohomish County** performed surface water sampling during the second half of 2025 as required by the landfill permit and consistent with the **SAP** and approved Application of Variance.

#### 3.1 SURFACE WATER SAMPLING

During the first and third quarters of 2025, **Snohomish County** field personnel inspected five surface water sample locations (designated CC-A1, CC-B1, CC-D, CC-F, and CC-NSDP) and collected surface water samples if flow was present. Surface water samples were collected from all five locations on January 14, 2025 in accordance with the **SAP** procedures. No surface water samples were collected during the July 22, 2025 sampling event because all the sample locations were dry. The 2025 surface water analytical results were compared to applicable criteria in **Chapter 173-201A WAC** as summarized **Table 8** below.

Table 8 – Semiannual 2025 Surface Water Analytical Results

| Sample Point         | Date    | Fecal Coliform | Conductivity | Nitrate as N | pH          |
|----------------------|---------|----------------|--------------|--------------|-------------|
| <b>Criteria:</b>     |         | 200            | --           | --           | 5.5-6.5     |
| <b>Units:</b>        |         | CFM/100 mL     | µmhos/cm     | mg/L         | std units   |
| <b>First Quarter</b> |         |                |              |              |             |
| <b>CC-A1</b>         | 1/14/25 | 9              | 117          | 1.62         | 5.52        |
| <b>CC-B1</b>         | 1/14/25 | 2              | 133          | 1.51         | 5.89        |
| <b>CC-D</b>          | 1/14/25 | 2              | 172          | 0.253        | 5.55        |
| <b>CC-F</b>          | 1/14/25 | 18             | 136          | 1.47         | <b>5.30</b> |
| <b>CC-NSDP</b>       | 1/14/25 | 2              | 173          | 0.345        | 5.58        |
| <b>Third Quarter</b> |         |                |              |              |             |
| <b>CC-A1</b>         | 7/22/25 | NS             | NS           | NS           | NS          |
| <b>CC-B1</b>         | 7/22/25 | NS             | NS           | NS           | NS          |
| <b>CC-D</b>          | 7/22/25 | NS             | NS           | NS           | NS          |
| <b>CC-F</b>          | 7/22/25 | NS             | NS           | NS           | NS          |
| <b>CC-NSDP</b>       | 7/22/25 | NS             | NS           | NS           | NS          |

NS = Not sampled – location was dry

Values in **bold** exceed the listed water quality criteria

Only one of the pH concentrations detected during the 2025 surface water sampling events exceeded their respective surface water quality criteria.

## 4.0 LANDFILL GAS MONITORING

Landfill gas readings were collected from eight gas probes in accordance with the SAP on August 16 and November 22, 2025. Landfill gas readings were also collected from seven vaults, six barhole probes, and two lift station vaults on those dates. The 2025 landfill gas monitoring results are summarized in separate quarterly letter reports to SHD and herein on the field sheets in **Appendix D**.

As shown on the field sheets, no detectable methane concentrations were detected from any of the monitoring points during 2025.

## 5.0 LEACHATE MONITORING

Cathcart Sanitary Landfill is authorized under City of Everett Industrial Waste Discharge Permit #7701-17 to discharge pretreated industrial wastewater (*landfill leachate and vector liquid wastes*) to the City of Everett sewer system via connection through the Silver Lake Water and Sewage District sewer.

As shown on the pretreatment system flow diagram (*Figure 7*), landfill leachate and condensate drains to a pump station (*designated SP-1*), from which the leachate and condensate are pumped to a grit chamber and combined with groundwater from the landfill underdrain system to pump station SP-1. The combined leachate and groundwater is then pumped through a flow meter vault

(designated P-FV-2), where the total daily flow is measured using an electromagnetic flow meter (*mag meter*). The flow is then discharged into either of two pretreatment lagoons. The lagoons are constructed of concrete equipped with underdrain systems that are connected to leak detection vaults (designated P-MH-3 and P-MH-4), which are monitored monthly for the presence of liquid, which could indicate a leak from the lagoons. A total of 16 manholes and vaults within the leachate collection system are monitored monthly for the presence of excess sediment (*or fluid, in the case of leak detection vaults*) and maintenance issues. The completed inspection forms are included in **Appendix D**. No fluid was observed in the leak detection vaults during 2025.

The maximum design capacity of each lagoon is approximately 2.5 million gallons. Combined leachate and vector liquid is treated in one or both of the leachate collection lagoons by settlement and aeration. Each lagoon has two aerators installed, which operate hourly for 15 minutes. The aerated liquid is then routed via a sampling vault (P-MH-9) to a discharge point to the sewer. Liquid samples are collected from P-MH-9 monthly and the results are summarized in a monthly report, which is submitted to the City of Everett per the IWDP permit.

During 2025, a total of 2,629,530 gallons of landfill leachate were pumped to the pretreatment lagoons for treatment and eventual discharge to the sewer. Leachate was pumped to the pretreatment lagoons at an average rate of 219,128 gallons per month, which varied from 47,370 gallons in September and October to 654,510 gallons in December. Overall, the rate of leachate production and flow correlates with seasonal rainfall totals. The leachate flow totals are included in **Table 9** below.

**Table 9 – Cathcart Landfill Leachate Flow Totals, 2025**

| Month                   | Total (gallons)  |
|-------------------------|------------------|
| January                 | 336,600          |
| February                | 192,990          |
| March                   | 354,870          |
| April                   | 231,300          |
| May                     | 51,300           |
| June                    | 86,340           |
| July                    | 74,100           |
| August                  | 51,780           |
| September               | 47,370           |
| October                 | 72,240           |
| November                | 476,130          |
| December                | 654,510          |
| <b>Maximum:</b>         | 654,510          |
| <b>Minimum:</b>         | 47,370           |
| <b>Monthly Average:</b> | 219,128          |
| <b>2025 Total:</b>      | <b>2,629,530</b> |

## 5.1 LEACHATE SAMPLING

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On January 22, 2025, Snohomish County Solid Waste personnel collected annual samples from the leachate pump station vaults designated SP-1 and SP-4 to characterize leachate from above (SP-1) and below (SP-4) the landfill liner. The leachate samples were analyzed for the following constituents:

- pH by USEPA Method 150.2
- Biological oxygen demand (*BOD*) by Method SM 5210B
- Conductivity by Method SM 2510B
- Total cyanide by USEPA Method 335.4
- Oil and Grease (*HEM*) by USEPA Method 1664 HEM
- Total Petroleum Hydrocarbons (*Polar/Non-Polar*) by USEPA Method 1664 SGT-HEM
- Total Suspended Solids (*TSS*) by Method SM 2540D
- Flashpoint by USEPA Method 1020
- Total Metals by USEPA Method 200.7/200.8/245.1, including:
  - Cadmium
  - Chromium
  - Copper
  - Mercury
  - Nickel
  - Silver
  - Zinc

In addition, the sample from vault SP-1 was analyzed for the standard groundwater constituent suite and priority pollutants, which included:

- Total Cyanide by SM 4500CN-E99
- Total Phenol by EPA Method 420.4
- Total and Dissolved Metals by USEPA Methods 200.7/200.8, including the above-listed metals and:
  - Antimony
  - Arsenic
  - Barium
  - Beryllium
  - Cobalt
  - Iron
  - Lead
  - Manganese
  - Selenium
  - Thallium
  - Vanadium
- VOCs by USEPA Method 8260/8260 SIM/624
- Semivolatile Organic Compounds (*SVOCs*) and Polynuclear Aromatic Hydrocarbons (*PAHs*) by USEPA Method 625/625-SIM

- Organochlorine Pesticides (OCPs) by USEPA Method 608
- Polychlorinated Biphenyls (PCBs) by USEPA Method 608

Tabulated summaries of the leachate vault sample analytical results are included below as Tables 10 through 13. Only constituents that were detected are shown in the tables; none of the leachate vault samples collected during the current monitoring year contained detectable concentrations of total cyanide/phenols, SVOCs, PAHs, OPPs or PCBs.

**Table 10 – Leachate Vault Results – Inorganics**

| Location ID | Date    | pH         | BOD  | Conductivity | TSS  |
|-------------|---------|------------|------|--------------|------|
| Units       |         | std. units | mg/L | µmhos/cm     | mg/L |
| SP-1        | 1/22/25 | 6.90       | 14   | 1870         | 63   |
| SP-4        | 1/22/25 | 6.90       | 130  | 614          | 4    |

**Table 11 – Leachate Vault Results – Total Metals**

| Location ID | Date    | Sb<br>(200.8) | As<br>(200.8) | Ba<br>(200.7) | Fe<br>(200.7) | Pb<br>(200.8) | Mn<br>(200.7) | Ni<br>(200.7) | Se<br>(200.8) | V<br>(200.7) | Zn<br>(200.7) |
|-------------|---------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|---------------|
| Units       |         | µg/L          | µg/L          | µg/L          | µg/L          | µg/L          | µg/L          | µg/L          | µg/L          | µg/L         | µg/L          |
| SP-1        | 1/22/25 | 1.005         | 16.09         | 0.572         | 111           | 1.152         | 1.06          | 0.068         | 4.188         | 0.041        | 0.2           |
| Location ID | Date    | Sb<br>(200.8) | As<br>(200.8) | Ba<br>(200.7) | Fe<br>(200.7) | Pb<br>(200.8) | Mn<br>(200.7) | Ni<br>(200.7) | Se<br>(200.8) | V<br>(200.7) | Zn<br>(200.7) |
| Units       |         | µg/L          | µg/L          | µg/L          | µg/L          | µg/L          | µg/L          | µg/L          | µg/L          | µg/L         | µg/L          |
| SP-4        | 1/22/25 | --            | ND<10         | --            | --            | ND<20         | --            | 53            | ND<60         | --           | 15            |

**Table 12 – Leachate Vault Results – VOCs**

| Location ID | Date    | 1,4-Dichlorobenzene | Acetone | Benzene | Chlorobenzene | Chloroethane | Vinyl chloride |
|-------------|---------|---------------------|---------|---------|---------------|--------------|----------------|
| Units       |         | µg/L                | µg/L    | µg/L    | µg/L          | µg/L         | µg/L           |
| SP-1        | 1/22/25 | 2.10                | 12.2    | 1.92    | 2.12          | 1.02         | 0.77           |

-- = Not analyzed

## 6.0 SUMMARY AND RECOMMENDATIONS

### 6.1 SUMMARY

The groundwater, surface water, leachate, and landfill gas monitoring data collected during the 2025 monitoring events indicate the following:

- The groundwater elevations, flow direction, and gradient measured during the 2025 semiannual monitoring events were generally consistent with those measured historically at the site.
- The most common groundwater standard exceedances were pH, dissolved sodium, total and dissolved arsenic, and total iron, which is consistent with historical site data.
- Most statistical limit exceedances in the shallow zone were noted in wells G-09S and G-10S, which is consistent with recent historical data. No statistical exceedances were noted in shallow wells G-08D1, G-14S, and G-24S during the 2025 monitoring events.
- Overall, significantly more decreasing trends were noted in both zones during all four monitoring events (*76 decreasing/16 increasing trends in the shallow zone, and 68 decreasing/6 increasing trends in the deep zone*).

- Most decreasing concentration trends noted in the shallow and deep zones during the second and fourth quarters occurred in downgradient wells – 63 of 76 decreasing trends in shallow downgradient wells and 67 of 68 decreasing trends in deep downgradient wells. During 2025, increasing trends in upgradient wells were limited to total arsenic and barium in well G-14S, total arsenic in well G-24S, and ammonia and dissolved potassium in well G-24D.
- Excluding VOC concentrations that were attributable to cross-contamination (*i.e., the acetone concentrations noted during the second, third, and fourth quarters*), VOC detections were limited to the wells located immediately downgradient of the landfill (G-09S, G-09D, G-10S, and G-10D).
- No exceedances of the surface water quality goals were noted in the surface water samples collected during 2025.
- The monitoring results at the perimeter gas probe locations, vaults, and manholes and did not indicate the presence of detectable concentrations of landfill gas during 2025.
- Landfill settlement surveys were discontinued in 2019 after six years of annual measurements. During the previous six years, no significant settlement was noted across the landfill mass that exceeded tolerance levels established in the Department of Ecology's Uniform Guidance document.

## 6.2 CONCLUSIONS/RECOMMENDATIONS

- The groundwater elevation data and fluctuations with seasonal rainfall totals (*as shown on the hydrographs in Appendix A*) suggest that the shallow and deep groundwater zones are hydraulically continuous and may in fact represent one complex water-bearing zone.
- There is no indication of groundwater impacts extending beyond the site boundaries of the Cathcart Landfill.
- The analytical data indicate that there is likely a leachate impact in monitoring wells G-09S, G-09D, G-10S, and G-10D.
- In accordance with the SAP and the approved variance, Snohomish County Solid Waste will continue to monitor groundwater and surface water semiannually.
- Landfill gas will continue to be monitored quarterly until the stratigraphy and hydrogeology of the site are evaluated for landfill gas migration potential. The data from probe GP-6 confirms that landfill gas is not migrating near the northwest perimeter of the landfill.

## 6.3 SIGNATURES AND LICENSES



Brian K. Eytcheson, LG  
SCPW – Solid Waste Division

4/28/26

Date



BRIAN K. EYTCHESON

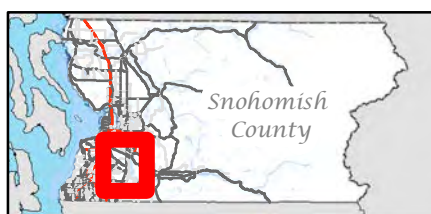
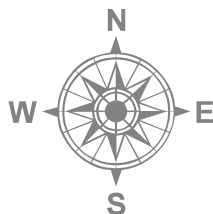
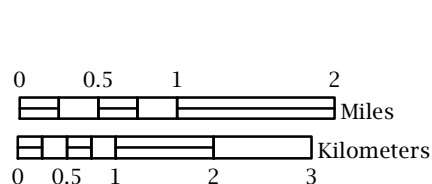
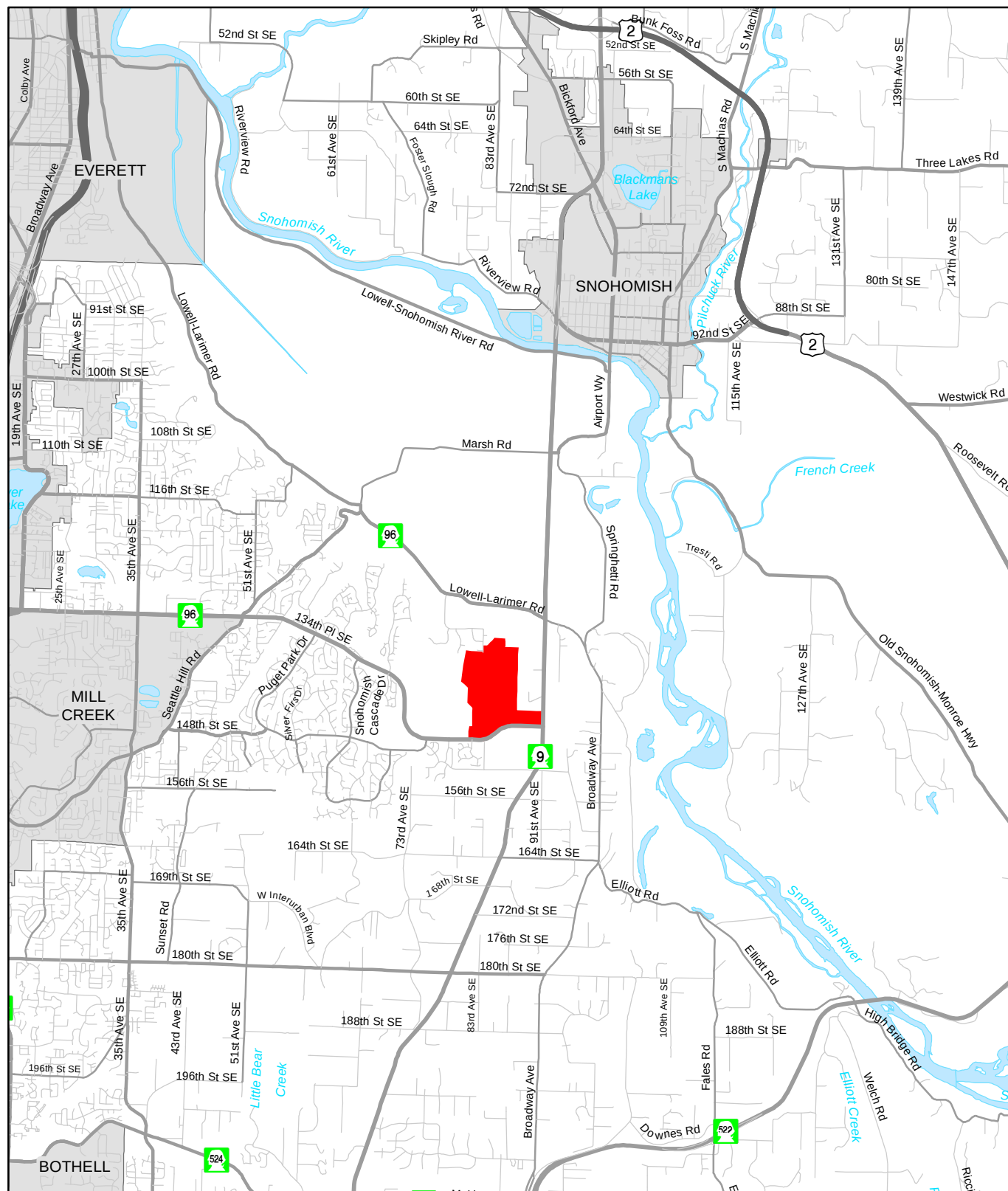
# Figures

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Figure 1

# Cathcart Landfill Vicinity Map



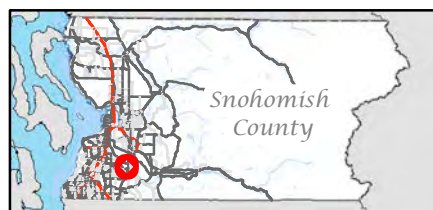
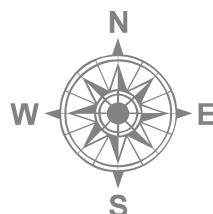
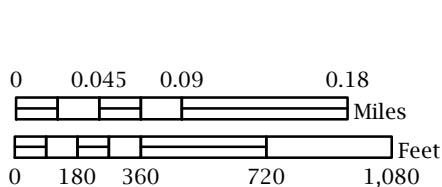
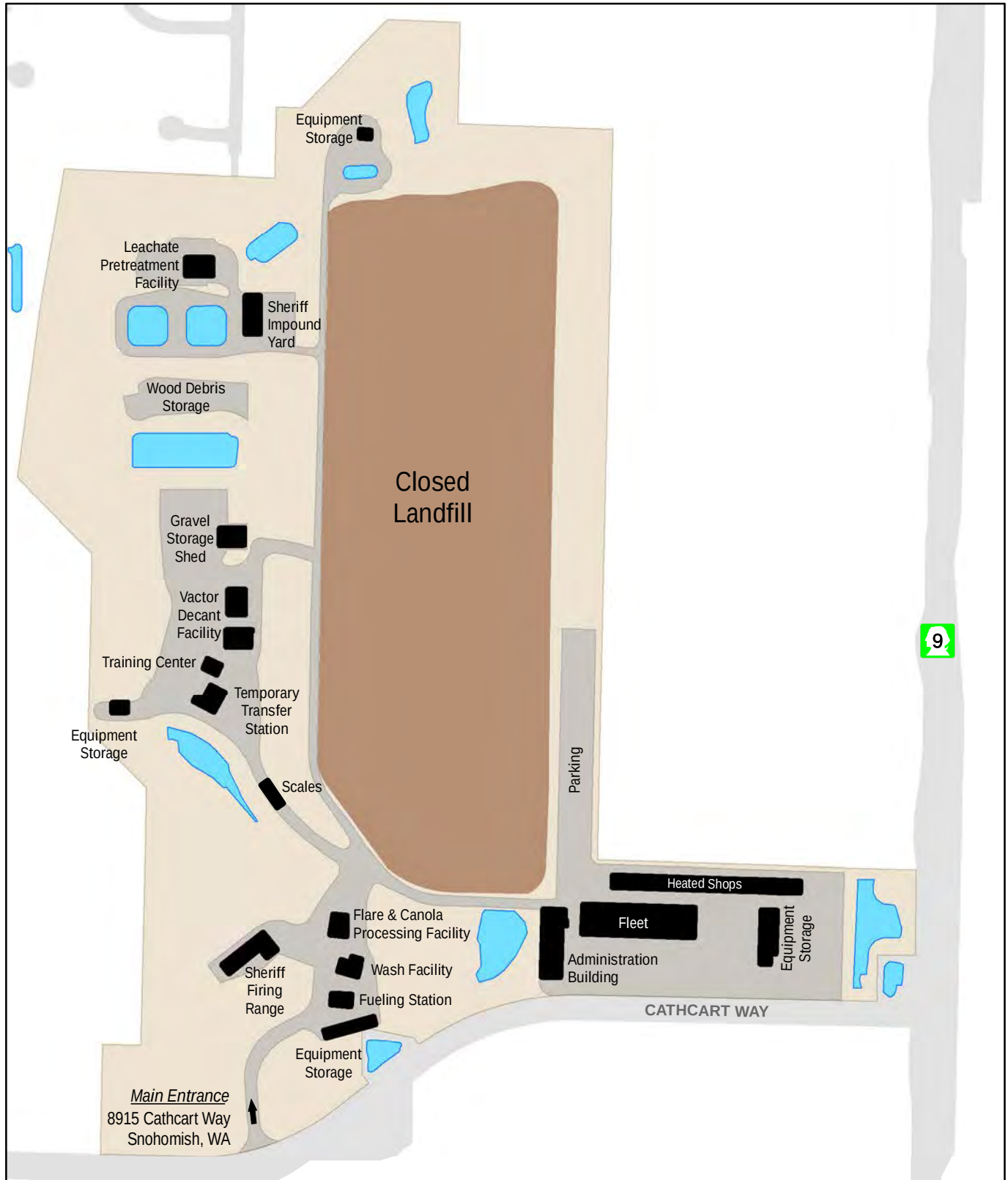
**Snohomish County**  
**Public Works**  
*Solid Waste Division*  
*March 16, 2010*

Snohomish County disclaims any warranty of merchantability or warranty of fitness of this map for any particular purpose, either express or implied. No representation or warranty is made concerning the accuracy, currency, completeness or quality of data depicted on this map. Any user of this map assumes all responsibility for use thereof, and further agrees to hold Snohomish County harmless from and against any damage, loss, or liability arising from any use of this map.



Figure 2

# Cathcart Landfill Site Map



**Snohomish County**  
Public Works  
Solid Waste Division  
March 16, 2010

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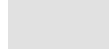


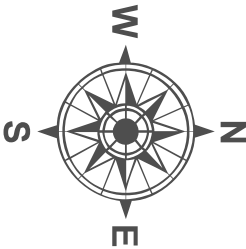
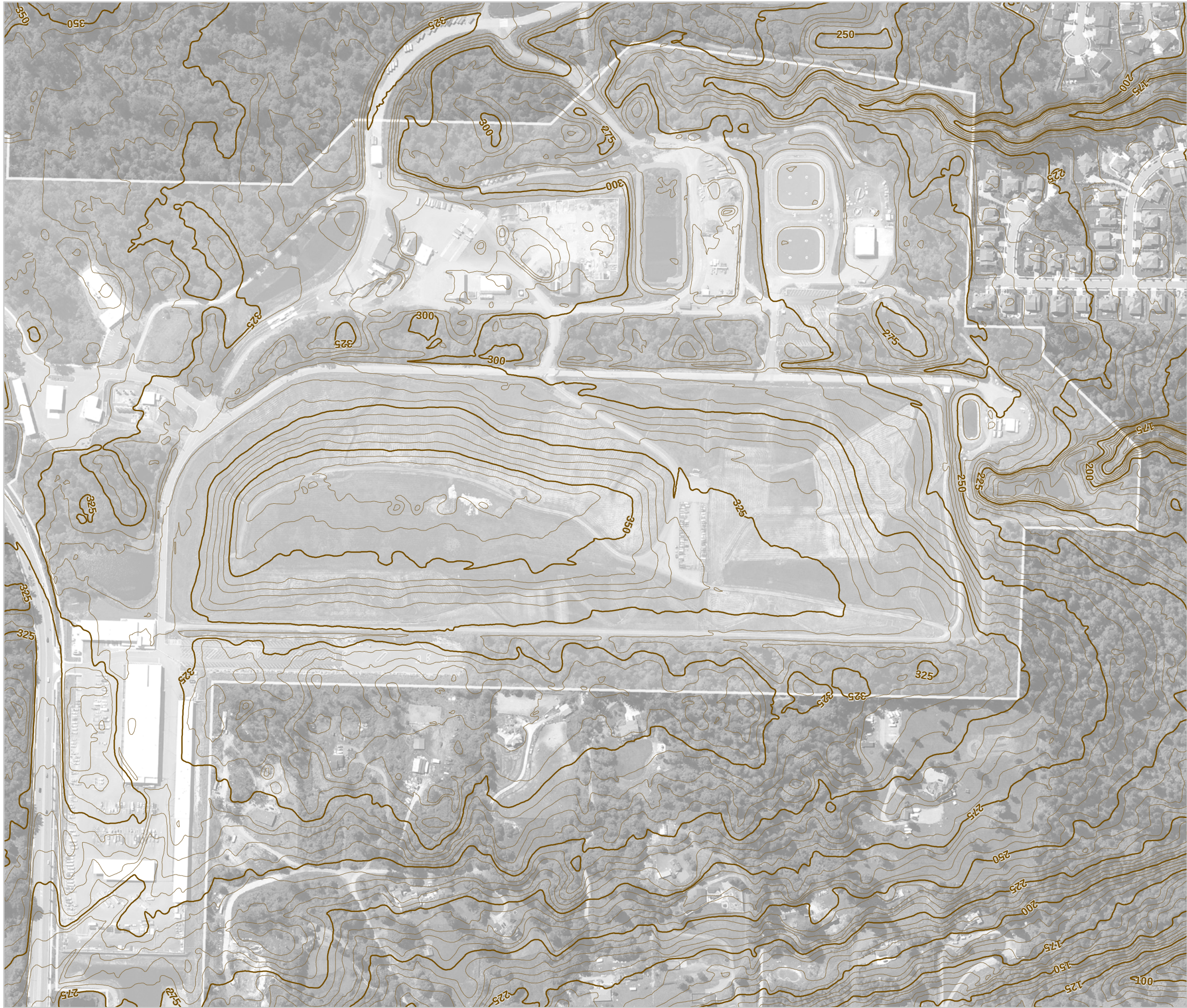
Figure 3

# Cathcart Landfill

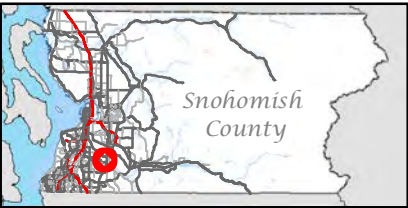
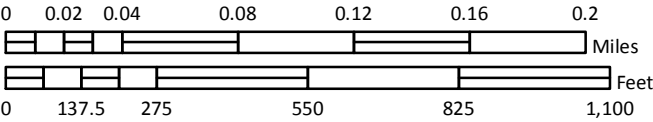
## Topography

**Map Features**

-  Parcel Boundary
-  Subject Property Boundary
-  5 Foot Contours



1 inch = 350 feet



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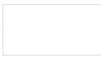


Figure 4

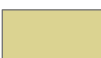
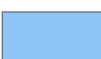
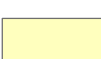
# Cathcart Landfill

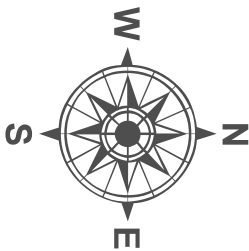
## Geologic Map

### Map Features

-  Parcel Boundary
-  Subject Property Boundary

### Geologic Description

-  Recent Alluvium (Qyal)
-  Vashon Recessional Outwash (Qvr)
-  Vashon Glacial Till (Qvt)
-  Vashon Advance Outwash (Qva)
-  Transitional Beds (Qtb)
-  Modified Land



1 inch = 600 feet

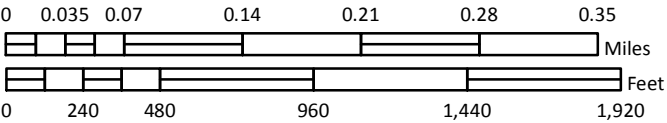




Figure 5

# Cathcart Landfill

## Monitoring Network



### Map Features

- Parcel Boundary
- Subject Property Boundary

### Aquifer Unit (Active Wells)

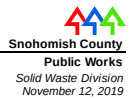
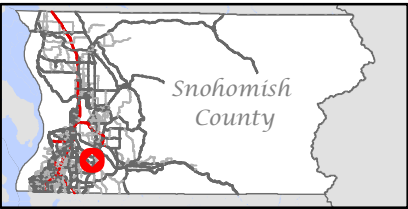
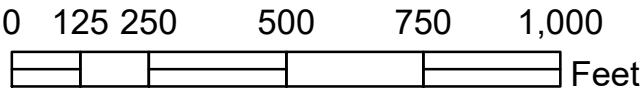
- Deep Aquifer
- Shallow Aquifer

### Inactive / Removed Wells

- Abandoned / Decommissioned
- Inactive

### Additional Sampling Points

- Gas Probe
- Surface Water Sample Locations



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Figure 5a

# Cathcart Landfill

## Monitoring Network

Map Features

- Parcel Boundary
- Subject Property Boundary

Aquifer Unit (Active Wells)

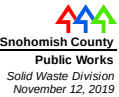
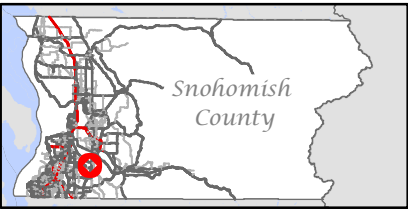
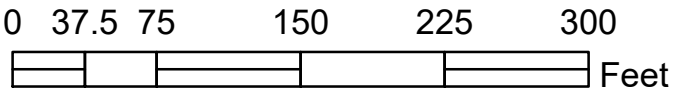
- Deep Aquifer
- Shallow Aquifer

Inactive / Removed Wells

- Abandoned / Decommissioned
- Inactive

Additional Sampling Points

- Gas Probe
- Water Sample Locations



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Figure 6a

# Cathcart Landfill

## Shallow Aquifer Groundwater Contour Map Second Quarter 2025

GROUNDWATER FLOW  
0.000368 ft / day  
0.134 ft / year  
124.68 degrees to the positive x - axis

PARCEL BOUNDARY

WELL LOCATION

CONTOURS

| WELL ID | DATE     | GW ELEVATION |
|---------|----------|--------------|
| G-01A   | 4/1/2025 | 220.00       |
| G-04A   | 4/1/2025 | 272.81       |
| G-08D1  | 4/1/2025 | 199.61       |
| G-09S   | 4/1/2025 | 243.79       |
| G-10S   | 4/1/2025 | 244.25       |
| G-11S   | 4/1/2025 | 232.91       |
| G-14S   | 4/1/2025 | 319.55       |
| G-24S   | 4/1/2025 | 308.32       |

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2025Q1

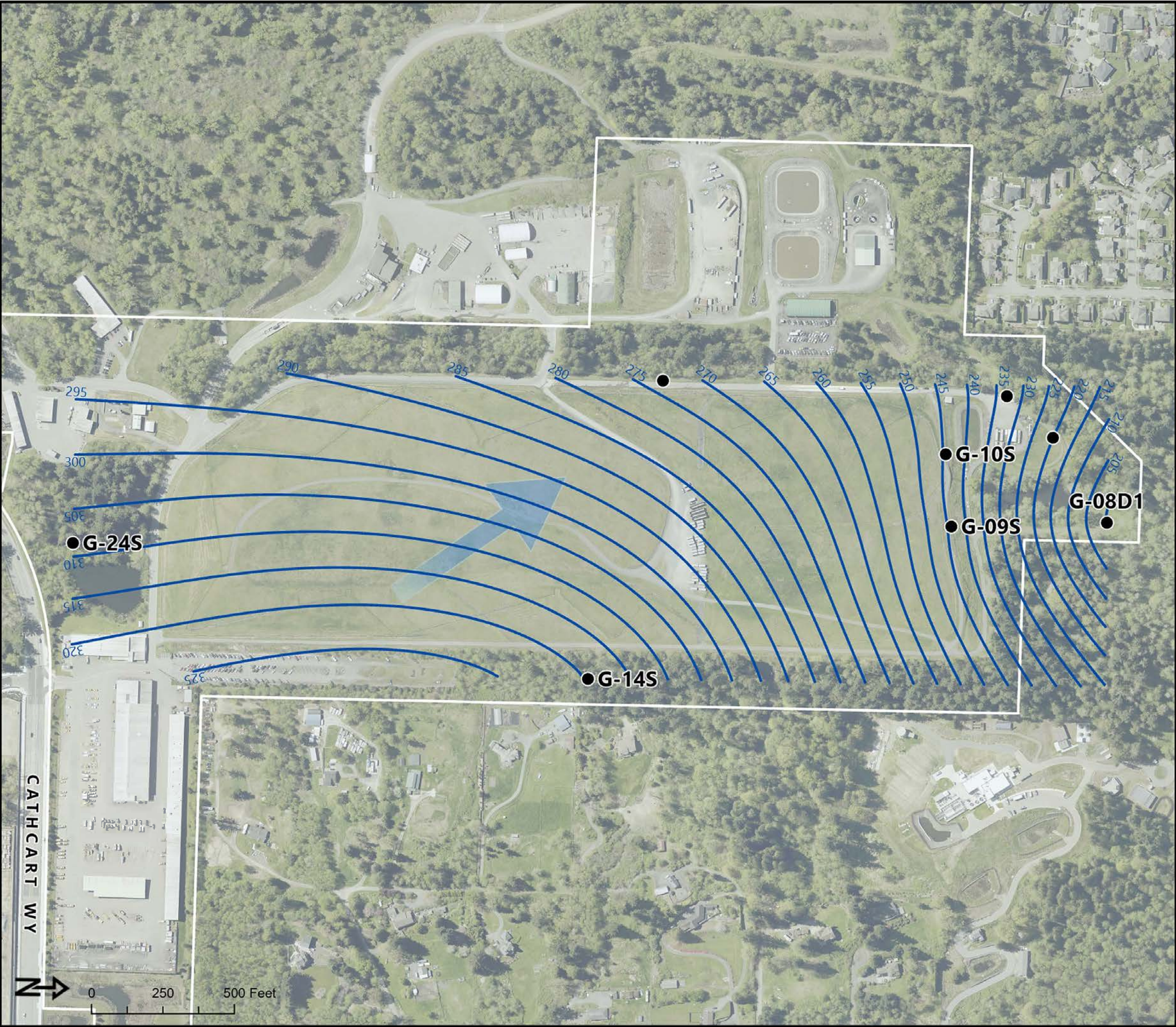




Figure 6b

Cathcart Landfill

Deep Aquifer  
Groundwater Contour Map  
Second Quarter 2025

GROUNDWATER FLOW  
0.0118 ft / day  
4.31 ft / year  
139.84 degrees to the positive x - axis

PARCEL BOUNDARY

WELL LOCATION

CONTOURS

| WELL ID | DATE     | GW ELEVATION |
|---------|----------|--------------|
| G-01D   | 4/1/2025 | 205.31       |
| G-02D   | 4/1/2025 | 213.39       |
| G-06B   | 4/1/2025 | 212.37       |
| G-08D2  | 4/1/2025 | 218.29       |
| G-09D   | 4/1/2025 | 224.35       |
| G-10D   | 4/1/2025 | 238.04       |
| G-13D   | 4/1/2025 | 221.26       |
| G-14D   | 4/1/2025 | 299.04       |
| G-24D   | 4/1/2025 | 302.40       |

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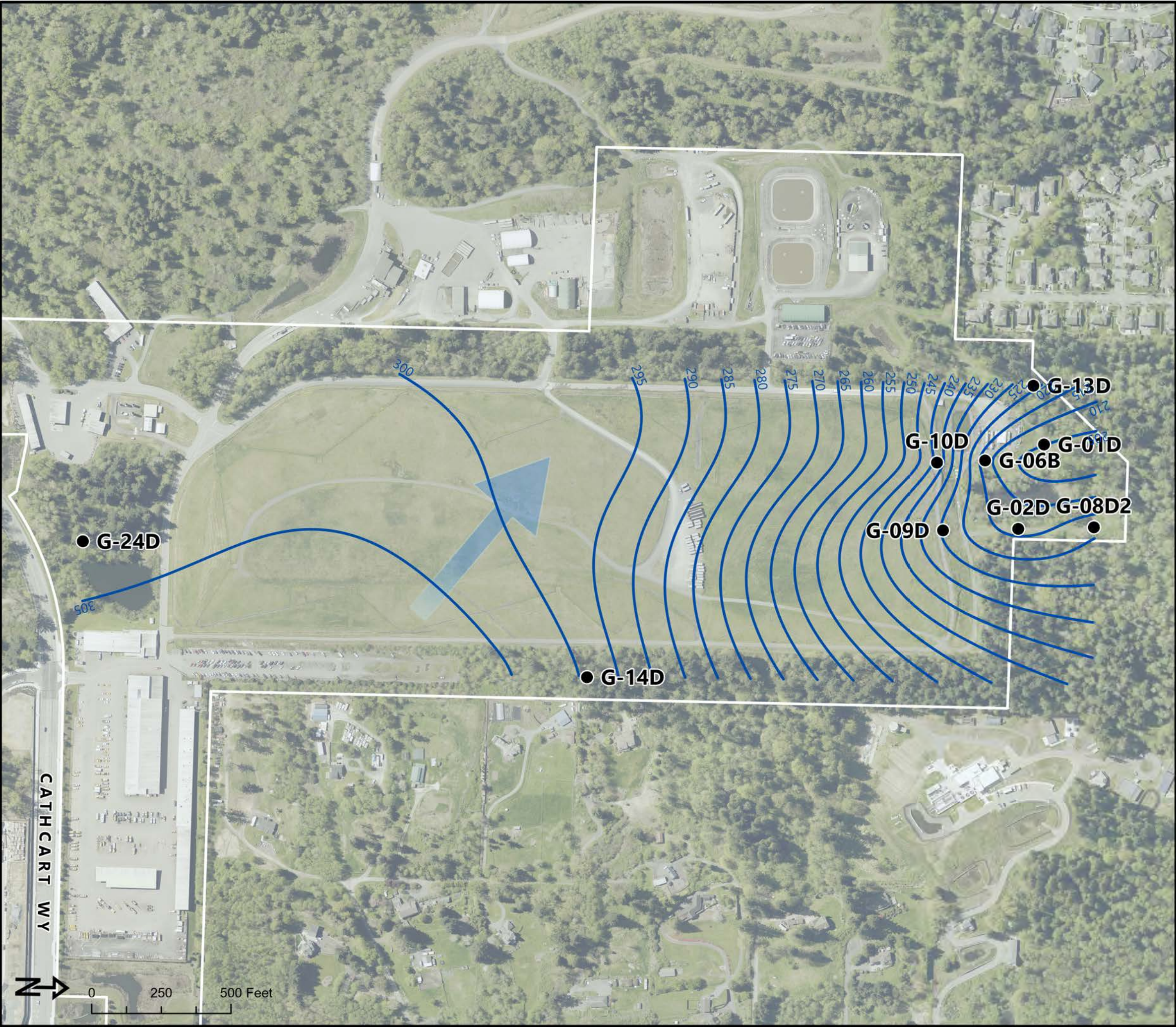




Figure 6c

# Cathcart Landfill

## Shallow Aquifer Groundwater Contour Map Fourth Quarter 2025

 GROUNDWATER FLOW  
.000406 ft / day  
.148 ft / year  
133.79 degrees to the positive x - axis

 PARCEL BOUNDARY

 WELL LOCATION

 CONTOURS

| WELL ID | DATE      | GW ELEVATION |
|---------|-----------|--------------|
| G-01A   | 10/7/2025 | 217.48       |
| G-08D1  | 10/7/2025 | 190.71       |
| G-09S   | 10/7/2025 | 240.29       |
| G-10S   | 10/7/2025 | 241.03       |
| G-11S   | 10/7/2025 | 228.11       |
| G-14S   | 10/7/2025 | 312.82       |
| G-24S   | 10/7/2025 | 306.46       |

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Date Created: 3/11/2026  
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Groundwater Contours\  
2025Q4

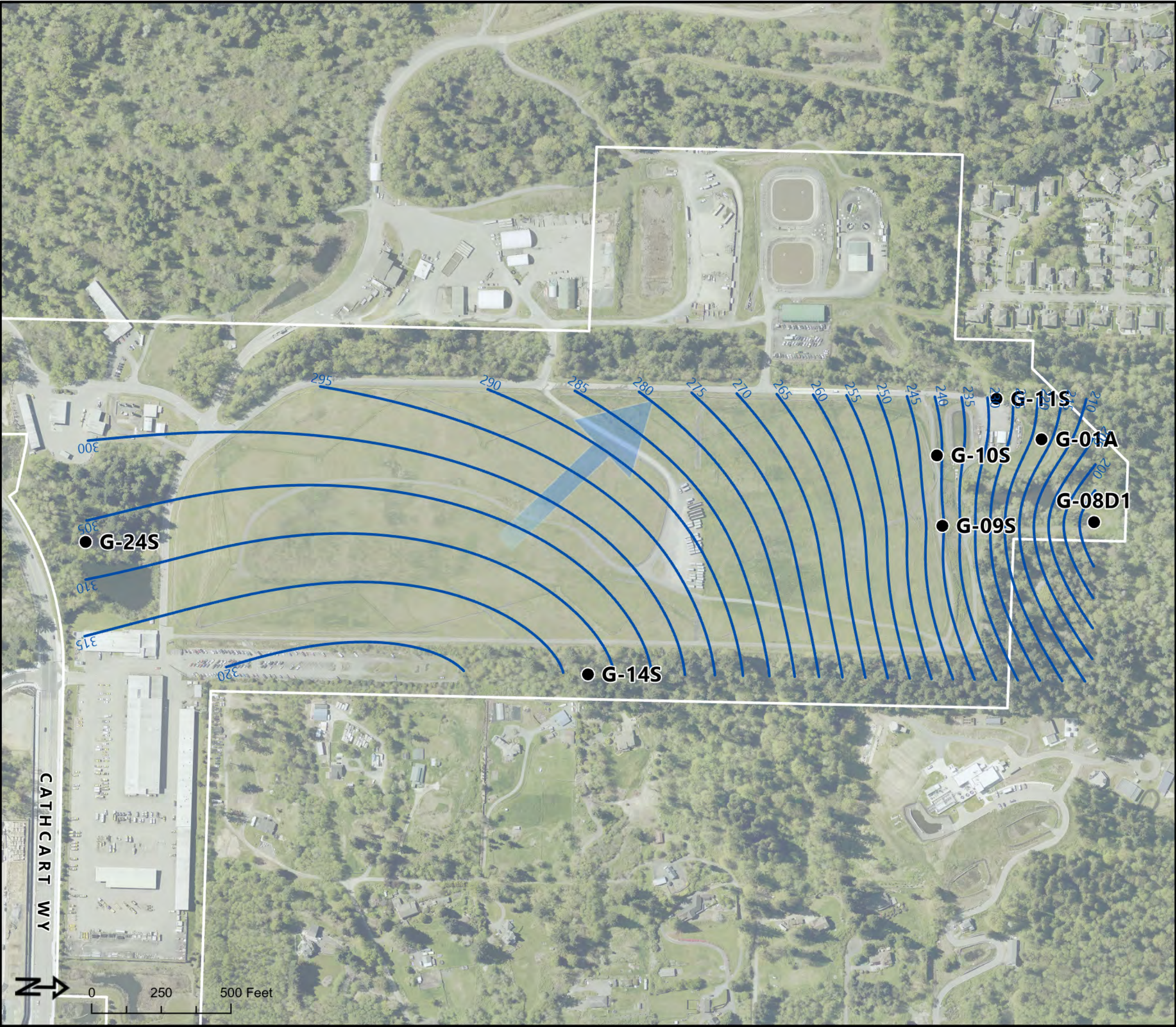




Figure 6d

# Cathcart Landfill

## Deep Aquifer Groundwater Contour Map Fourth Quarter 2025

GROUNDWATER FLOW  
0.0117 ft / day  
4.26 ft / year  
137.23 degrees to the positive x - axis

PARCEL BOUNDARY

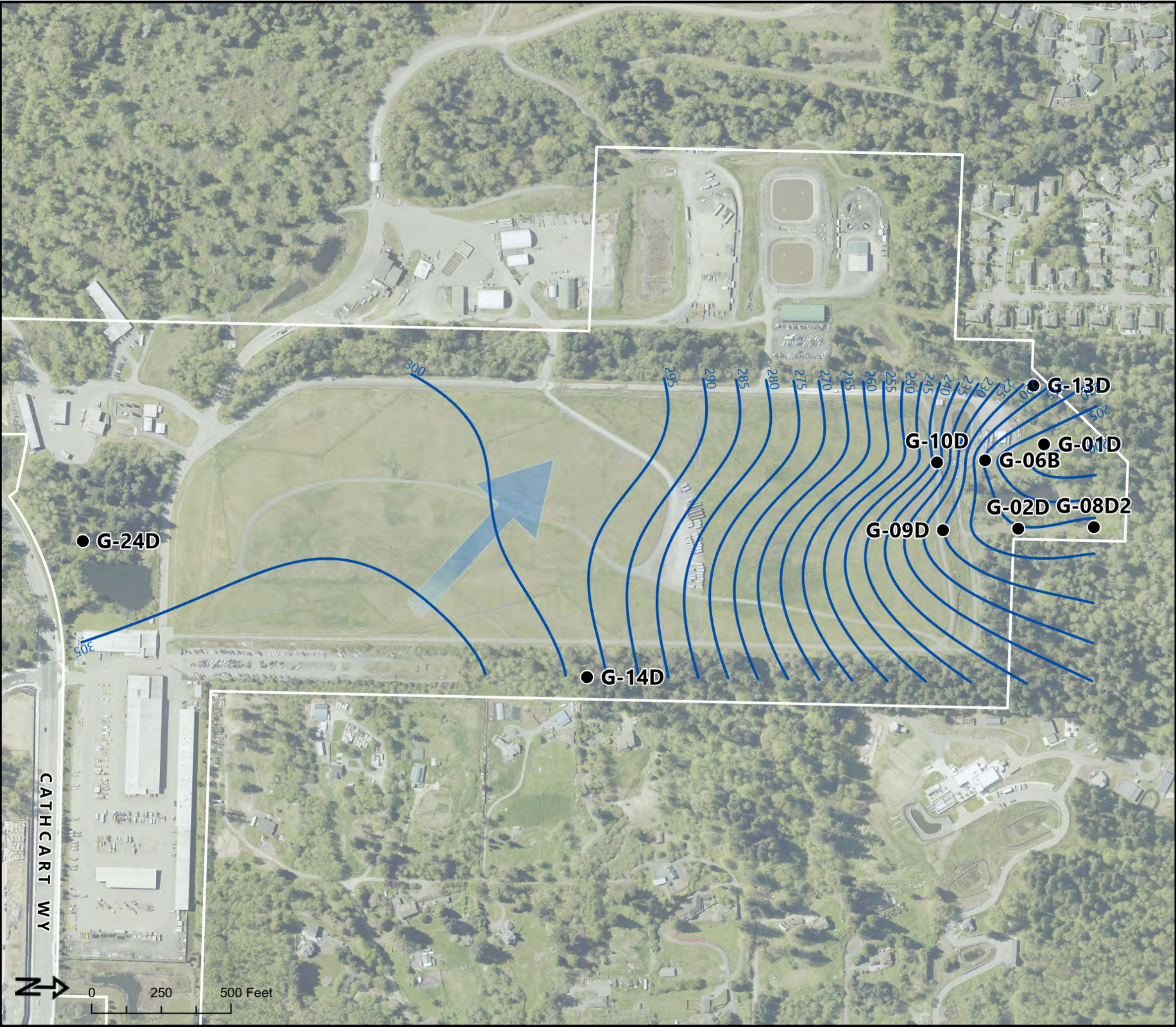
WELL LOCATION

CONTOURS

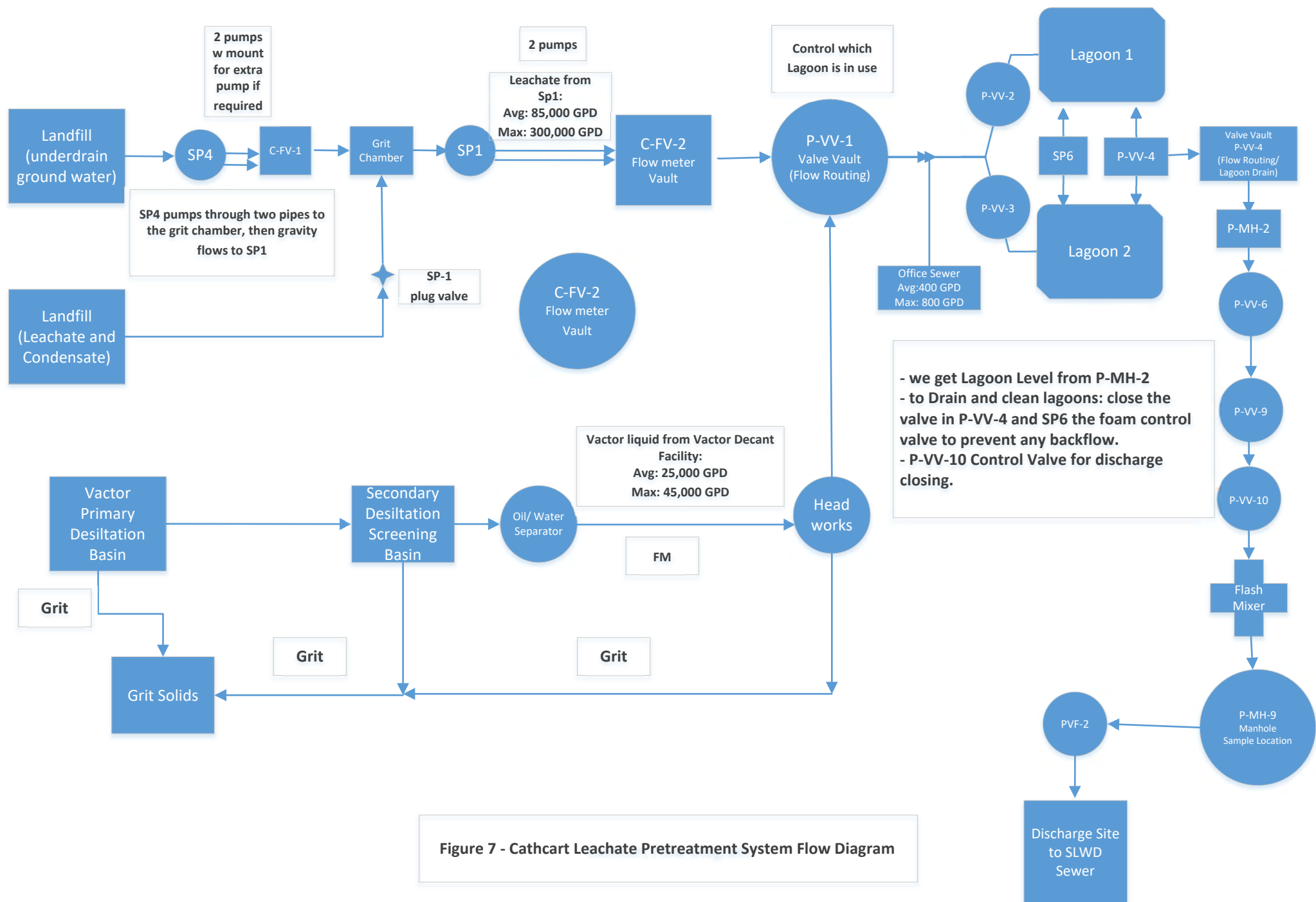
| WELL ID | DATE      | GW ELEVATION |
|---------|-----------|--------------|
| G-01D   | 10/7/2025 | 202.15       |
| G-02D   | 10/7/2025 | 210.29       |
| G-06B   | 10/7/2025 | 208.95       |
| G-08D2  | 10/7/2025 | 211.94       |
| G-09D   | 10/7/2025 | 220.19       |
| G-10D   | 10/7/2025 | 237.17       |
| G-13D   | 10/7/2025 | 217.99       |
| G-14D   | 10/7/2025 | 297.57       |
| G-24D   | 10/7/2025 | 300.6        |

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Date Created: 3/11/2026  
File Location:  
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Groundwater Contours\  
2025Q4







**Figure 7 - Cathcart Leachate Pretreatment System Flow Diagram**



# Appendix A

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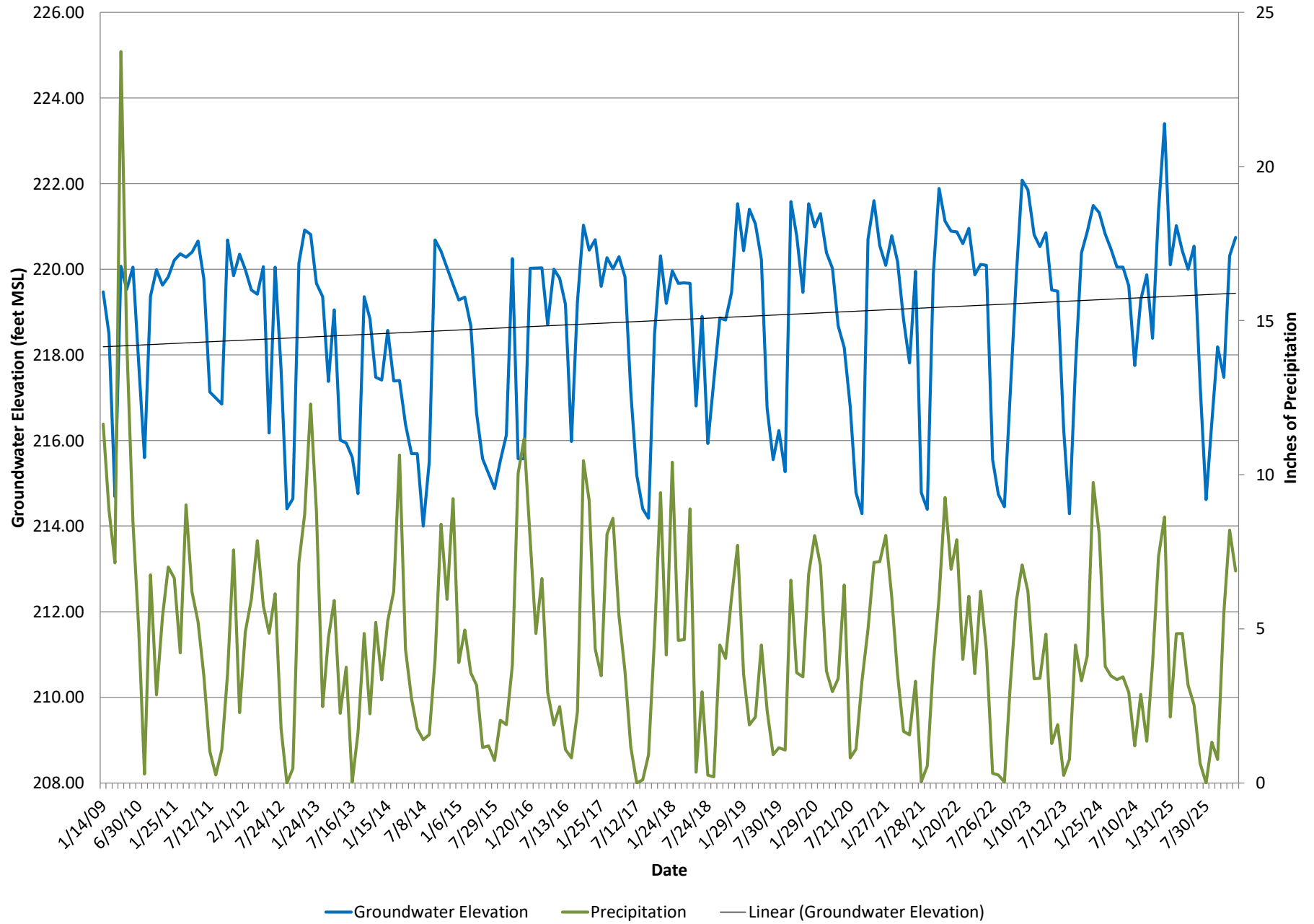
## Hydrographs

# Shallow Wells

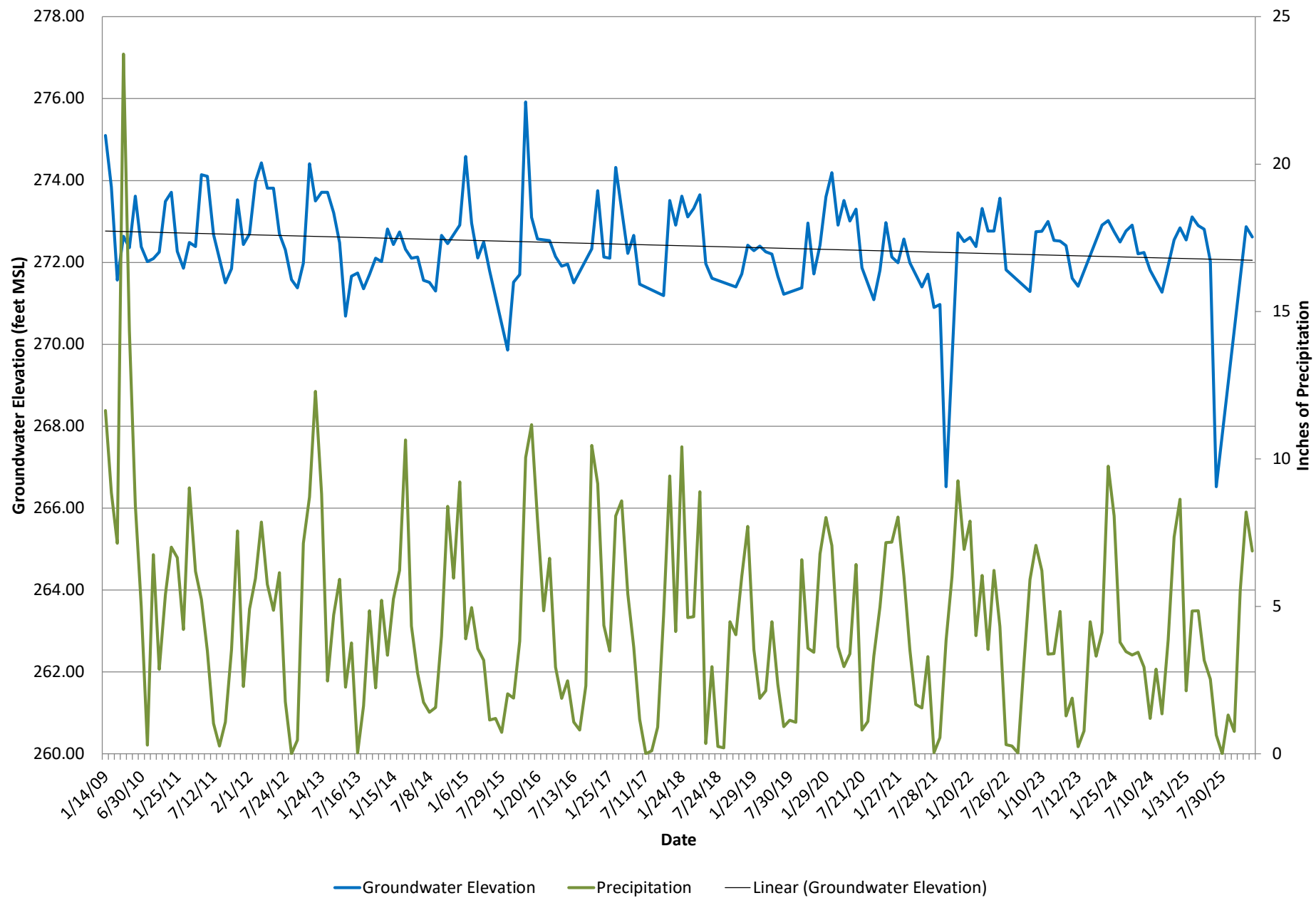
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Hydrograph  
Cathcart Landfill Shallow Aquifer  
Well G-01A

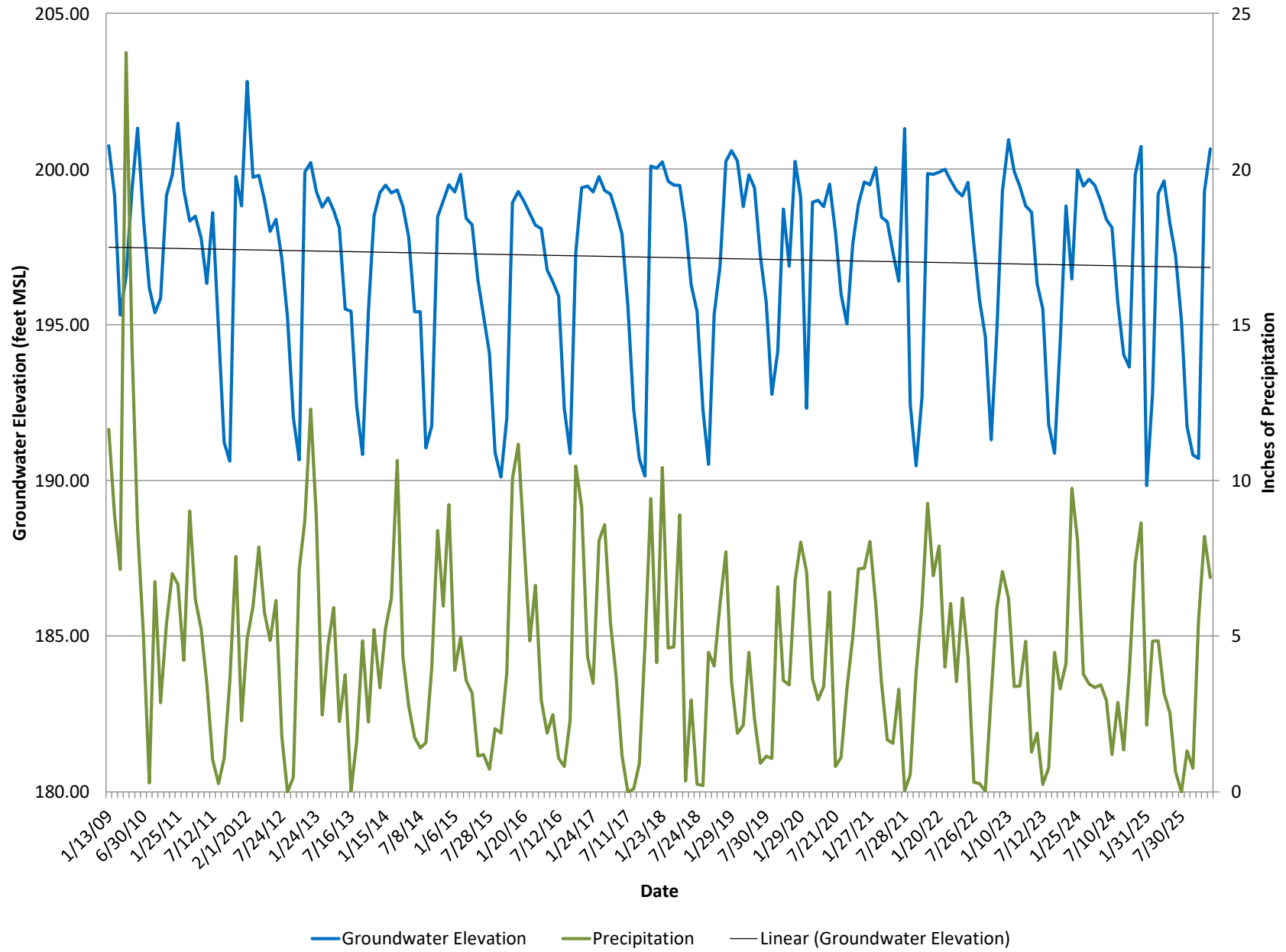


Hydrograph  
Cathcart Landfill Shallow Aquifer  
Well G-04A

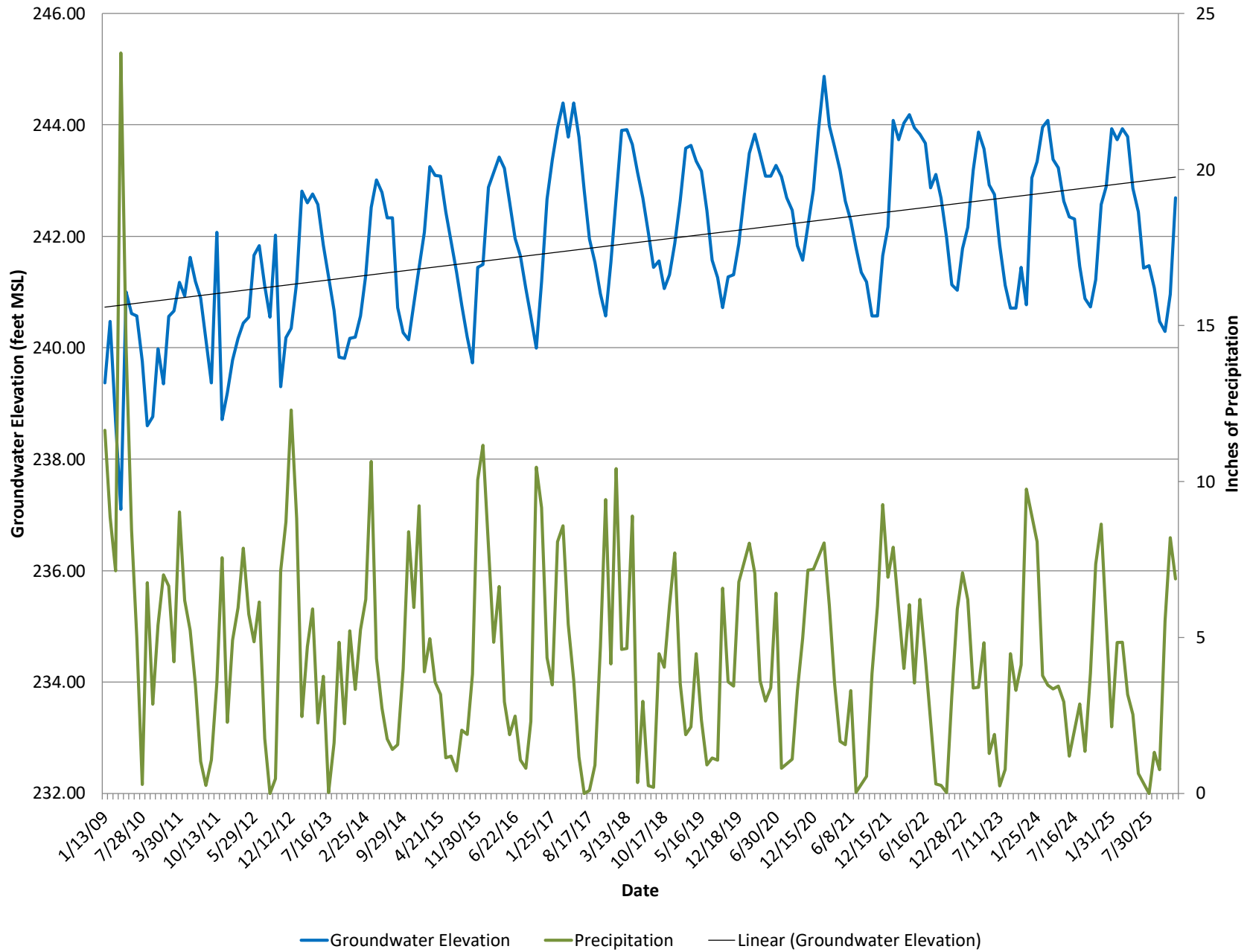




Hydrograph  
Cathcart Landfill Shallow Aquifer  
Well G-08D1

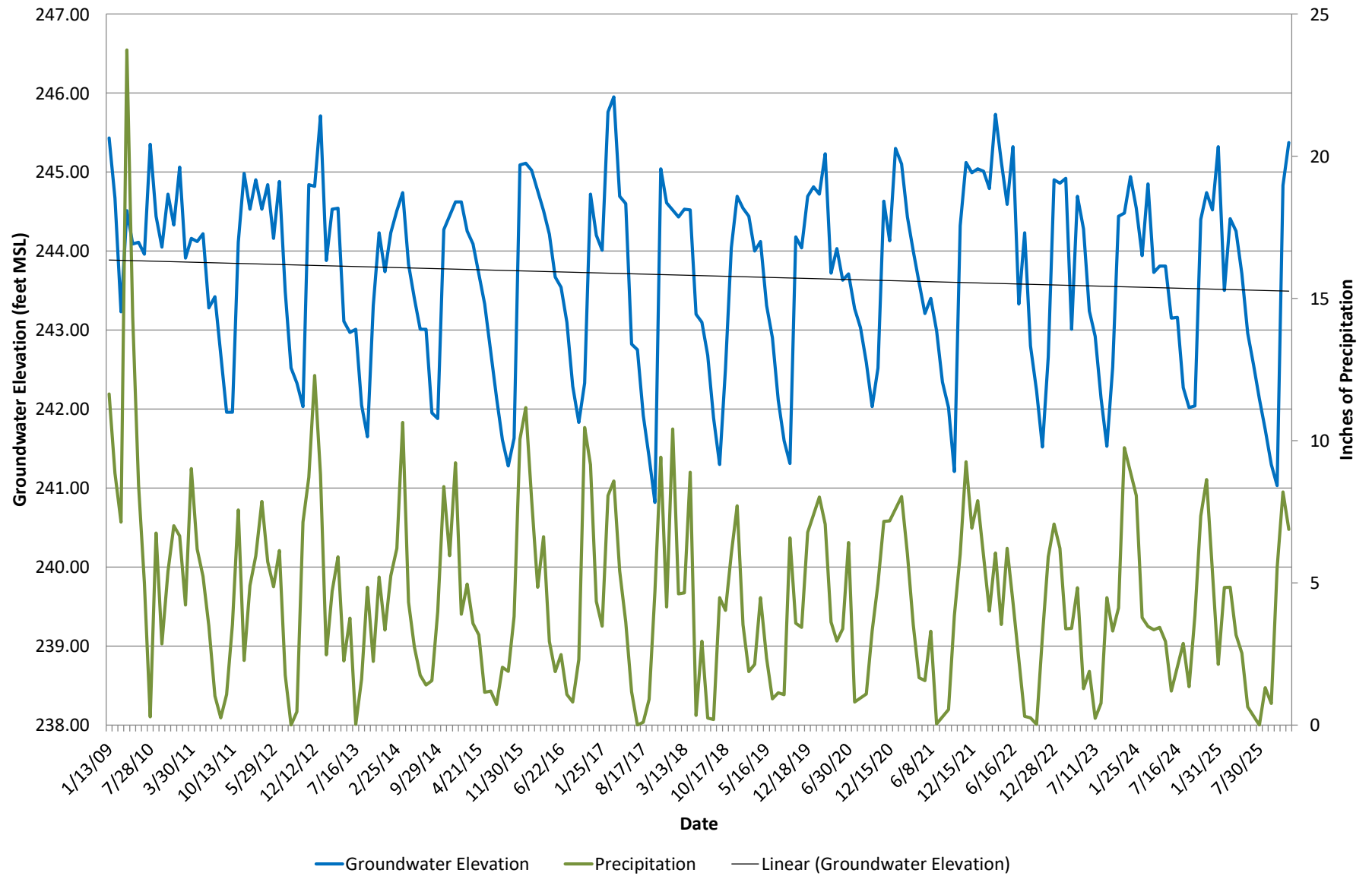


Hydrograph  
Cathcart Landfill Shallow Aquifer  
Well G-09S

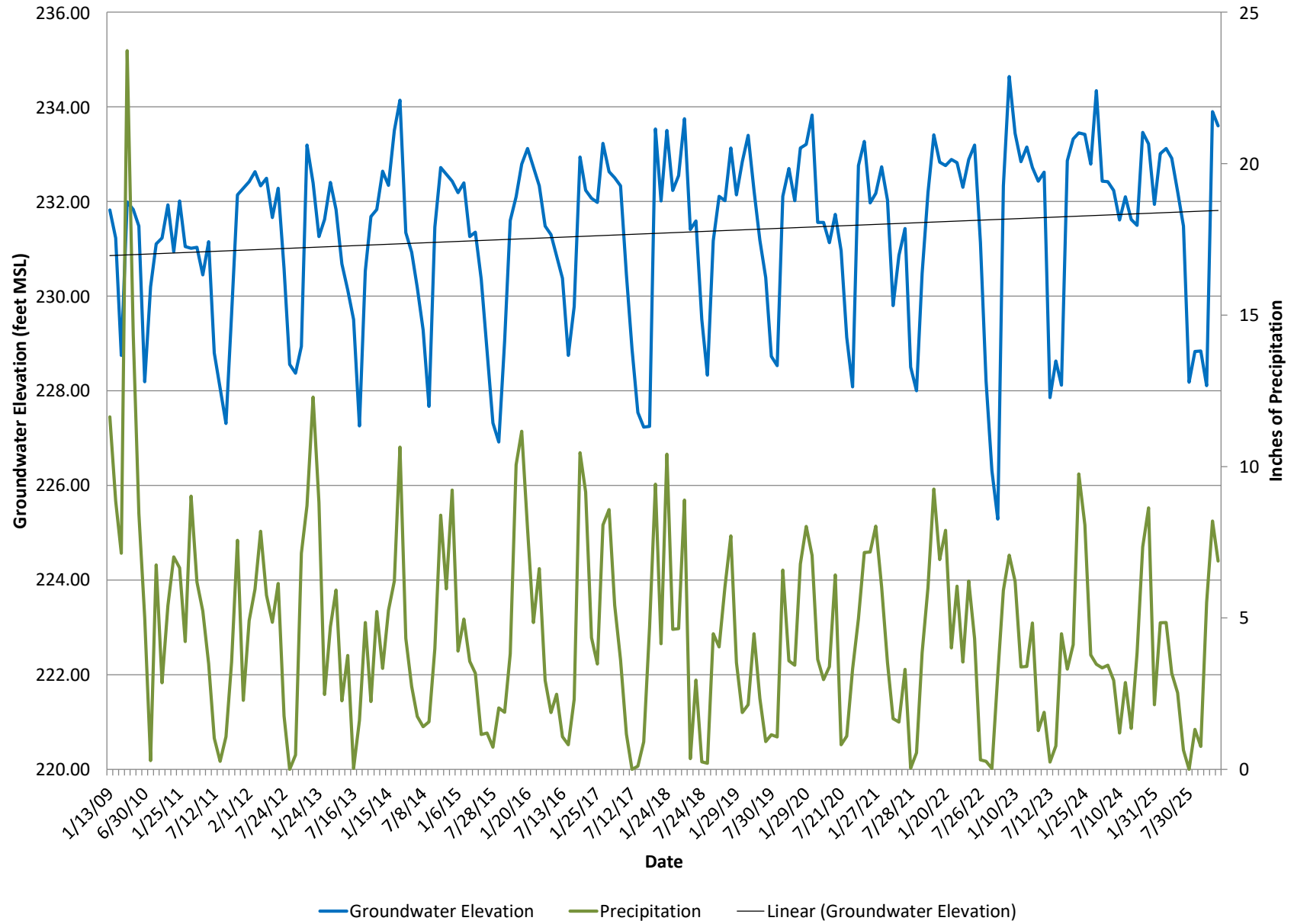




Hydrograph  
Cathcart Landfill Shallow Aquifer  
Well G-10S

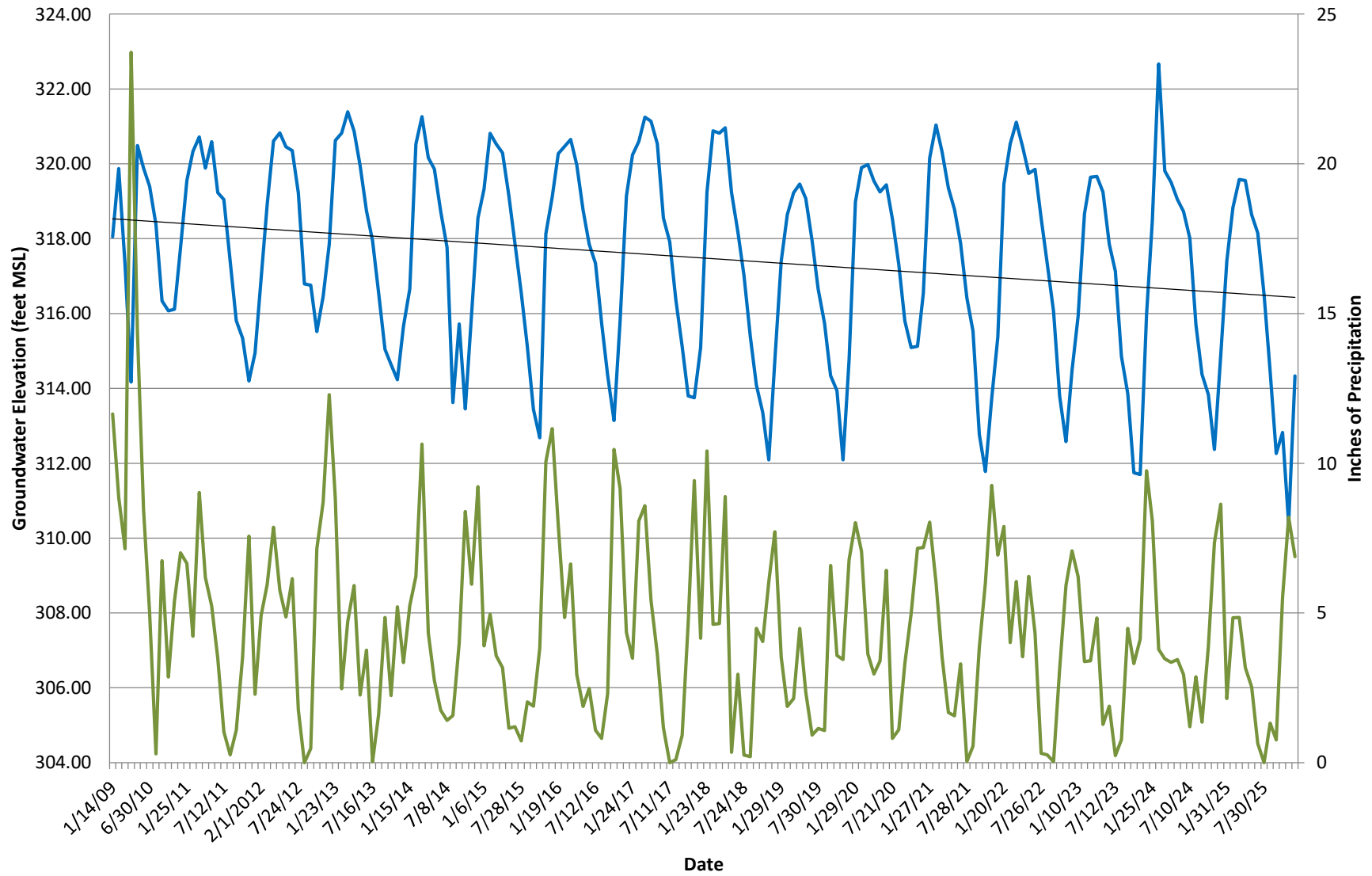


Hydrograph  
Cathcart Landfill Shallow Aquifer  
Well G-11S



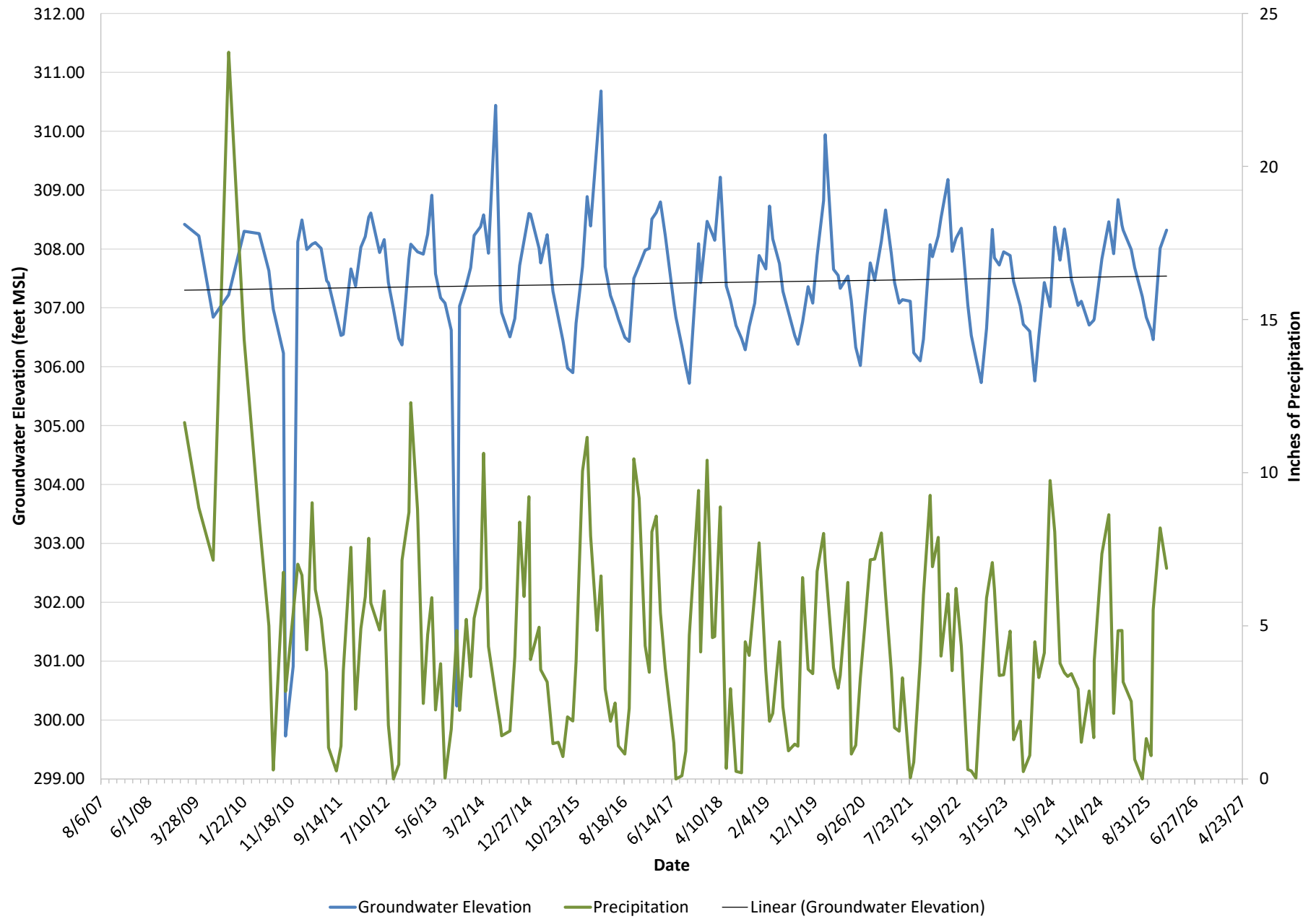


Hydrograph  
Cathcart Landfill Shallow Aquifer  
Well G-14S



— Groundwater Elevation — Precipitation — Linear (Groundwater Elevation)

Hydrograph  
Cathcart Landfill Shallow Aquifer  
Well G-24S





Site: **Cathcart Landfill - Shallow Aquifer Groundwater Velocity, Second Quarter 2025**

Measurement Date: **4/1/2025**

| Well ID | [X] matrix |         | [D] matrix |   | Pt             |              |              |           |        |              |        |        |        |
|---------|------------|---------|------------|---|----------------|--------------|--------------|-----------|--------|--------------|--------|--------|--------|
|         | X-axis     | Y-axis  | GW Elev.   | D |                |              |              |           |        |              |        |        |        |
| G-01A   | 413.12     | 3968.37 | 220.00     | 1 |                |              |              |           |        |              |        |        |        |
| G-04A   | 213.73     | 2603.52 | 272.81     | 1 |                | 413.12       | 213.73       | 710.11    | 723.45 | 470.79       | 267.66 | 1256.3 | 778.15 |
| G-08D1  | 710.11     | 4157.06 | 199.61     | 1 |                | 3968.37      | 2603.52      | 4157.06   | 3612.7 | 3595.13      | 3807.1 | 2341   | 538.89 |
| G-09S   | 723.45     | 3612.73 | 243.79     | 1 |                | 220          | 272.81       | 199.61    | 243.79 | 244.25       | 232.91 | 319.55 | 308.32 |
| G-10S   | 470.79     | 3595.13 | 244.25     | 1 |                |              |              |           |        |              |        |        |        |
| G-11S   | 267.66     | 3807.05 | 232.91     | 1 | {[P]t[P]}      |              |              |           |        |              |        |        |        |
| G-14S   | 1256.3     | 2341.04 | 319.55     | 1 |                | 3721076.974  | 13833394.8   | 1286010   |        |              |        |        |        |
| G-24S   | 778.15     | 538.89  | 308.32     | 1 |                | 13833394.8   | 86048702.88  | 5972886.3 |        |              |        |        |        |
| 9       | 0          | 0       | 0          | 1 |                | 1286010.035  | 5972886.299  | 533181.57 |        |              |        |        |        |
| 10      | 0          | 0       | 0          | 1 |                |              |              |           |        |              |        |        |        |
| 11      | 0          | 0       | 0          | 1 | {[P]t[P]}'     |              |              |           |        |              |        |        |        |
| 12      | 0          | 0       | 0          | 1 |                | 1.66078E-06  | 4.97183E-08  | -4.56E-06 |        |              |        |        |        |
| 13      | 0          | 0       | 0          | 1 |                | 4.97183E-08  | 5.37395E-08  | -7.22E-07 |        |              |        |        |        |
| 14      | 0          | 0       | 0          | 1 |                | -4.56269E-06 | -7.21927E-07 | 2.097E-05 |        |              |        |        |        |
| 15      | 0          | 0       | 0          | 1 |                |              |              |           |        |              |        |        |        |
| 16      | 0          | 0       | 0          | 1 | {[P]t[P]}'[P]t |              |              |           |        |              |        |        |        |
| 17      | 0          | 0       | 0          | 1 |                | -0.00012039  | -0.000760346 | 0.0004753 | 0.0003 | -0.000153814 | -4E-04 | 0.0007 | -9E-05 |
| 18      | 0          | 0       | 0          | 1 |                | 7.4974E-05   | -4.64108E-05 | 0.0001146 | 5E-05  | 4.02767E-05  | 5E-05  | -4E-05 | -2E-04 |
| 19      | 0          | 0       | 0          | 1 |                | -0.000136893 | 0.002865495  | -0.002056 | -8E-04 | 0.000377899  | 0.0009 | -7E-04 | 0.0025 |
| 20      | 0          | 0       | 0          | 1 |                |              |              |           |        |              |        |        |        |

{[P]t[P]}'[P]t [D] = [A] matrix

A -6.22251E-05

B 8.9948E-05

C 0.00297087

|                        |                                         |
|------------------------|-----------------------------------------|
| Groundwater Gradient:  | 0.0368                                  |
| Conductivity (ft/day): | 0.001                                   |
| Effective porosity:    | 10%                                     |
| GW velocity:           | 0.000368 ft/day                         |
|                        | 0.134 ft/year                           |
| Flow direction:        | 124.68 degrees from the positive x-axis |

This spreadsheet is from the paper, "A Spreadsheet Method For Estimating Hydraulic Gradient With Heads From Multiple Wells" submitted to Ground Water, March, 2002. To use the program, enter the coordinates for the well locations in the columns labeled x and y (part of the [X] matrix), and the water levels in the z column. The matrices are automatically updated and the gradient magnitude and direction are calculated in cell H30 and H35.

Site: **Cathcart Landfill - Shallow Aquifer Groundwater Velocity, Fourth Quarter 2025**  
 Measurement Date: **10/7/2025**

| Well ID | [X] matrix |         | [D] matrix |   | Pt              |              |             |          |        |              |        |        |   |
|---------|------------|---------|------------|---|-----------------|--------------|-------------|----------|--------|--------------|--------|--------|---|
|         | X-axis     | Y-axis  | GW Elev.   | D |                 |              |             |          |        |              |        |        |   |
| G-01A   | 413.12     | 3968.37 | 217.48     | 1 | Pt              |              |             |          |        |              |        |        |   |
| G-08D1  | 710.11     | 4157.06 | 190.71     | 1 |                 | 413.12       | 710.11      | 723.45   | 470.8  | 267.66       | 1256   | 778.2  | 0 |
| G-09S   | 723.45     | 3612.73 | 240.29     | 1 |                 | 3968.37      | 4157.06     | 3612.73  | 3595   | 3807.05      | 2341   | 538.9  | 0 |
| G-10S   | 470.79     | 3595.13 | 241.03     | 1 |                 | 217.48       | 190.71      | 240.29   | 241    | 228.11       | 312.8  | 306.5  | 0 |
| G-11S   | 267.66     | 3807.05 | 228.11     | 1 |                 |              |             |          |        |              |        |        |   |
| G-14S   | 1256.3     | 2341.04 | 312.82     | 1 | {[P]t{[P]}      |              |             |          |        |              |        |        |   |
| G-24S   | 778.15     | 538.89  | 306.46     | 1 |                 | 3675396.461  | 13276944.47 | 1205106  |        |              |        |        |   |
| 8       | 0          | 0       | 0          | 1 |                 | 13276944.47  | 79270386.49 | 5156370  |        |              |        |        |   |
| 9       | 0          | 0       | 0          | 1 |                 | 1205106.268  | 5156369.634 | 443310.9 |        |              |        |        |   |
| 10      | 0          | 0       | 0          | 1 | {[P]t{[P]}'     |              |             |          |        |              |        |        |   |
| 11      | 0          | 0       | 0          | 1 |                 |              |             |          |        |              |        |        |   |
| 12      | 0          | 0       | 0          | 1 |                 | 2.69536E-06  | 1.03412E-07 | -8.5E-06 |        |              |        |        |   |
| 13      | 0          | 0       | 0          | 1 |                 | 1.03412E-07  | 5.57969E-08 | -9.3E-07 |        |              |        |        |   |
| 14      | 0          | 0       | 0          | 1 |                 | -8.52997E-06 | -9.3012E-07 | 3.63E-05 |        |              |        |        |   |
| 15      | 0          | 0       | 0          | 1 | {[P]t{[P]}'[P]t |              |             |          |        |              |        |        |   |
| 16      | 0          | 0       | 0          | 1 |                 |              |             |          |        |              |        |        |   |
| 17      | 0          | 0       | 0          | 1 |                 | -0.000331213 | 0.000717143 | 0.000274 | -4E-04 | -0.000830637 | 1E-03  | -5E-04 | 0 |
| 18      | 0          | 0       | 0          | 1 |                 | 6.18621E-05  | 0.000128002 | 5.29E-05 | 3E-05  | 2.79315E-05  | -3E-05 | -2E-04 | 0 |
| 19      | 0          | 0       | 0          | 1 |                 | 0.00067141   | -0.00300816 | -0.00082 | 0.001  | 0.002447697  | -0.002 | 0.004  | 0 |
| 20      | 0          | 0       | 0          | 1 |                 |              |             |          |        |              |        |        |   |

{[P]t{[P]}'[P]t [D] = [A] matrix

A -8.7104E-05

B 9.0859E-05

C 0.003097977

|                        |          |                                  |
|------------------------|----------|----------------------------------|
| Groundwater Gradient:  | 0.0406   |                                  |
| Conductivity (ft/day): | 0.001    |                                  |
| Effective porosity:    | 10%      |                                  |
| GW velocity:           | 0.000406 | ft/day                           |
|                        | 0.148    | ft/year                          |
| Flow direction:        | 133.79   | degrees from the positive x-axis |

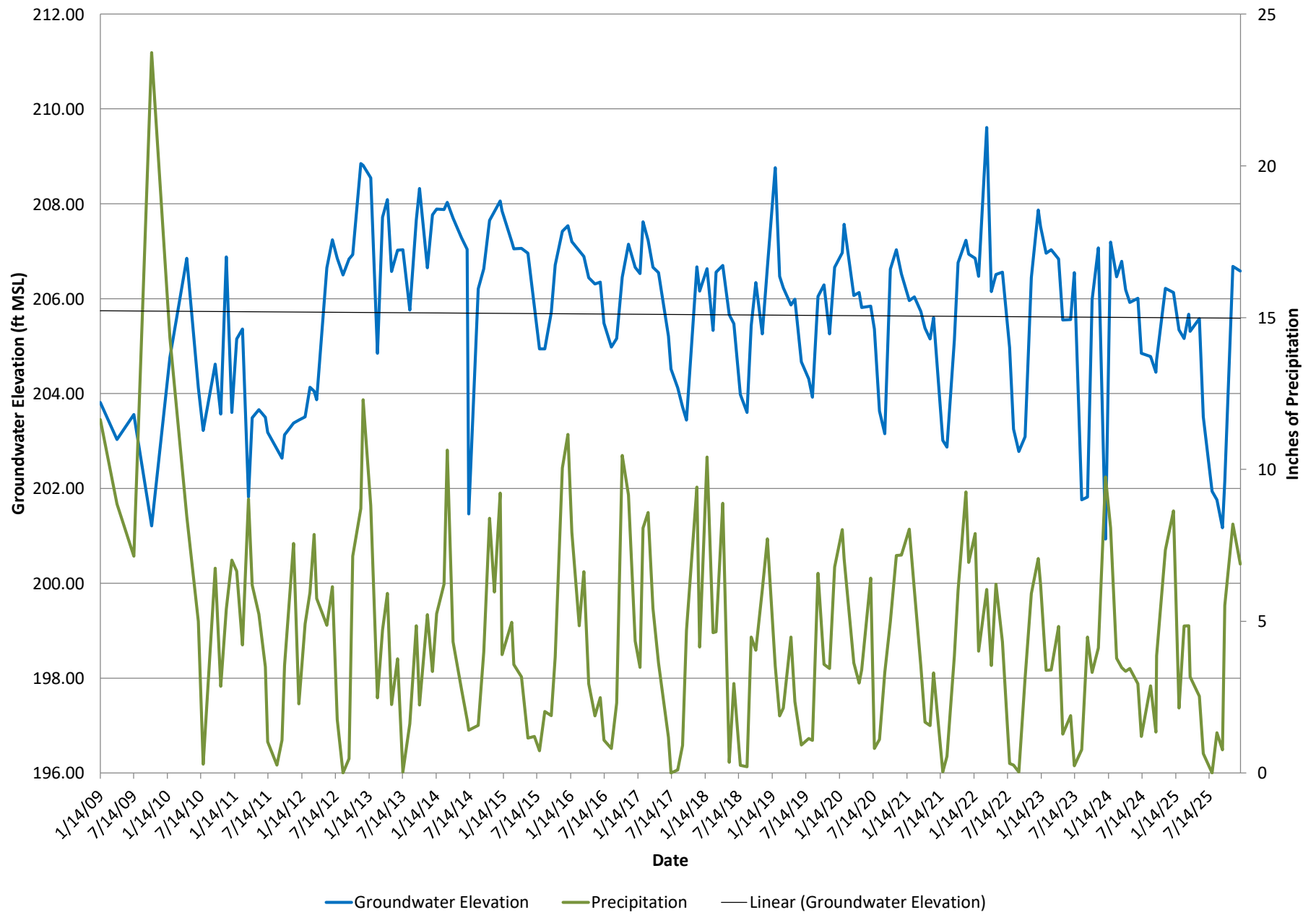
This spreadsheet is from the paper, "A Spreadsheet Method For Estimating Hydraulic Gradient With Heads From Multiple Wells" submitted to Ground Water, March, 2002. To use the program, enter the coordinates for the well locations in the columns labeled x and y (part of the [X] matrix), and the water levels in the z column. The matrices are automatically updated and the gradient magnitude and direction are calculated in cell H30 and H35.



# Deep Wells

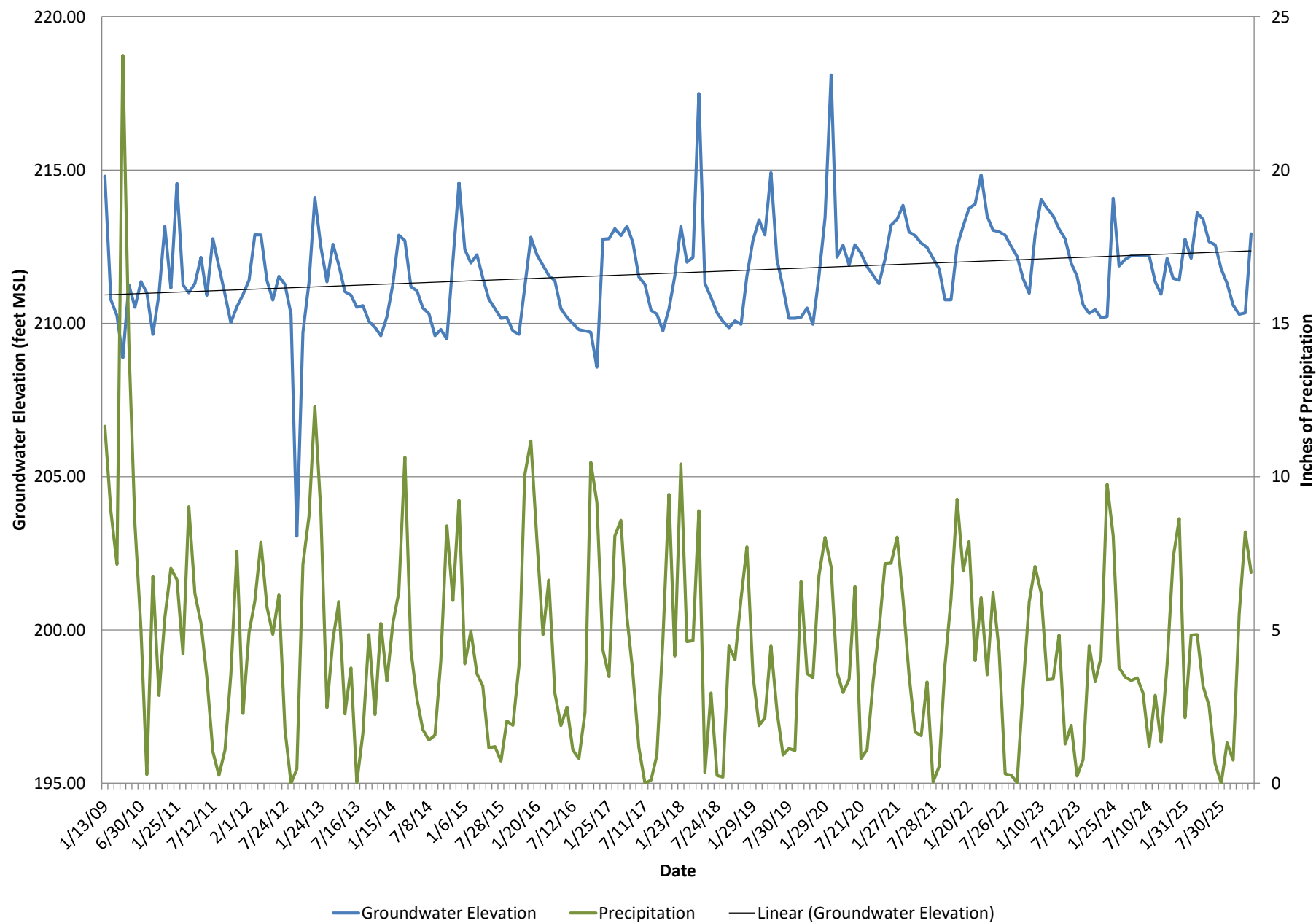
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Hydrograph  
Cathcart Landfill Deep Aquifer  
Well G-01D

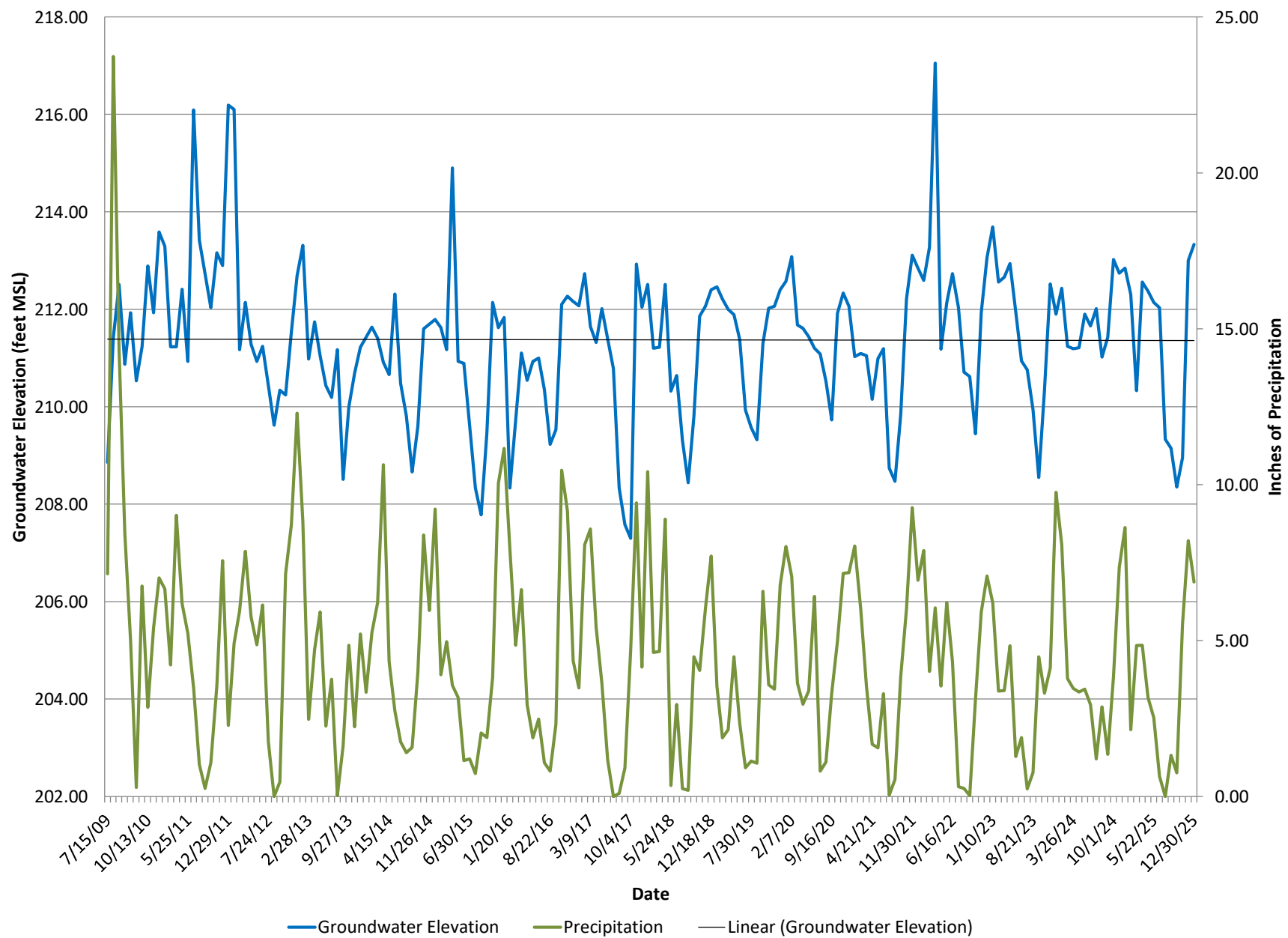




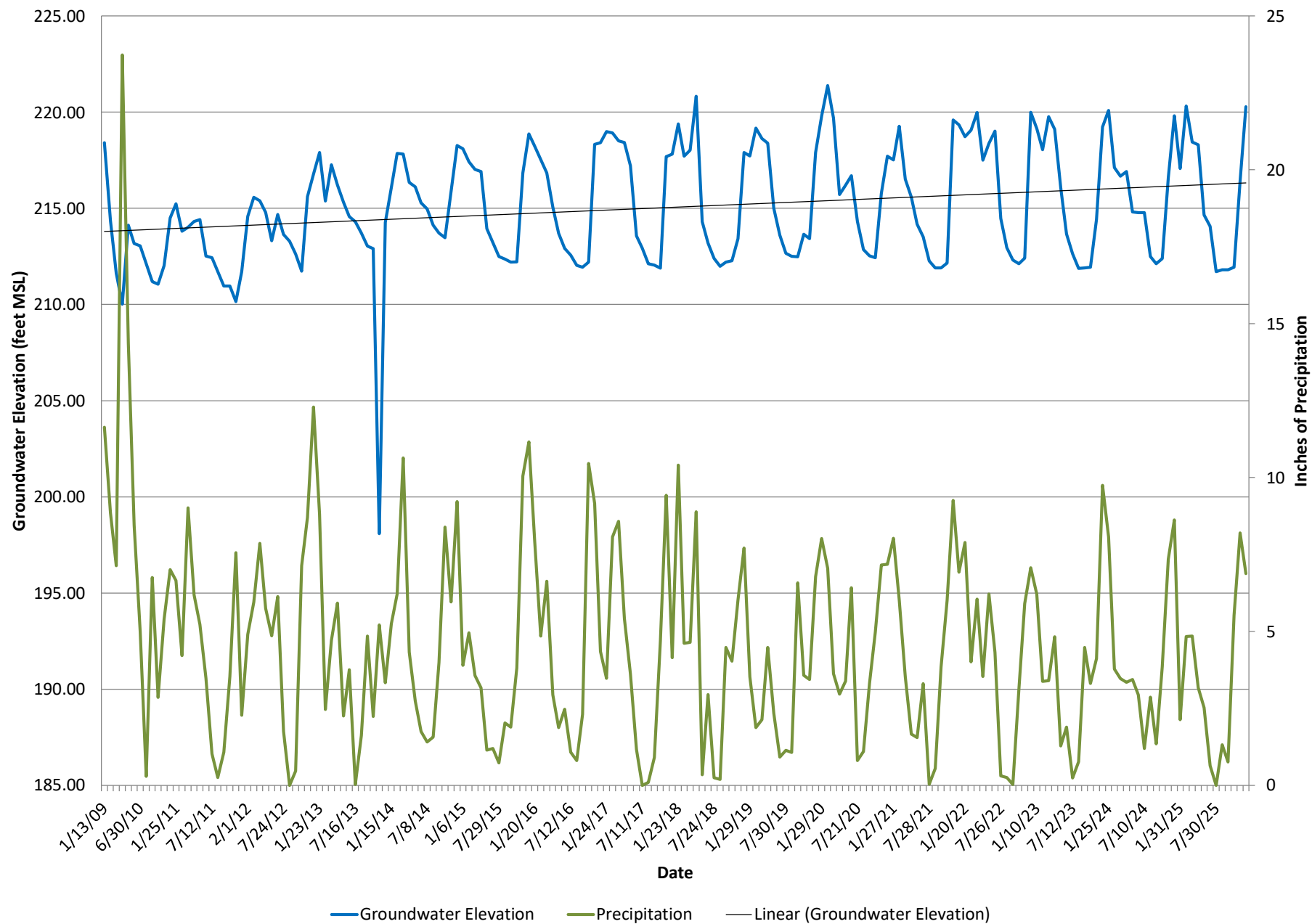
Hydrograph  
Cathcart Landfill Deep Aquifer  
Well G-02D



Hydrograph  
Cathcart Landfill Deep Aquifer  
Well G-06B

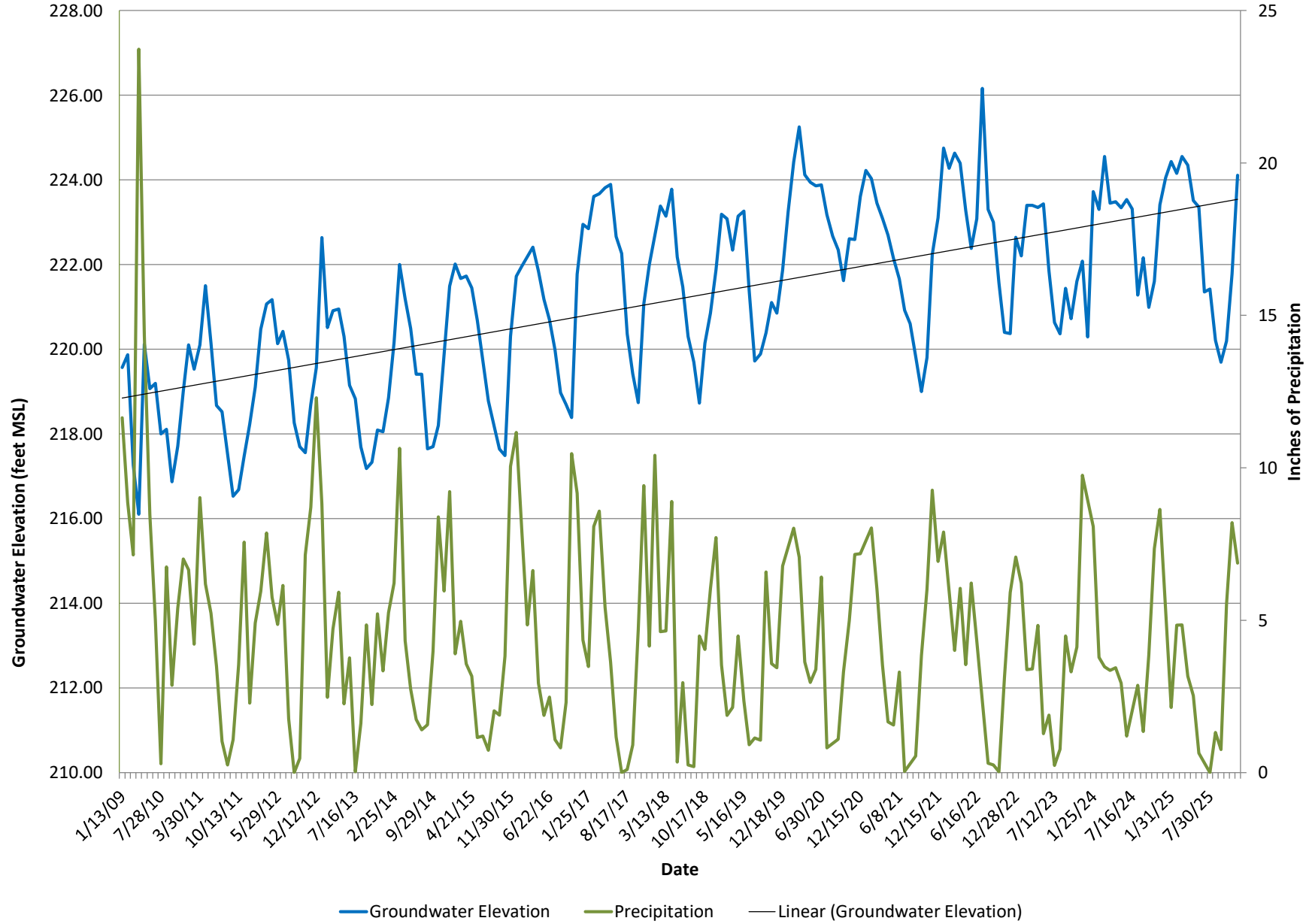


Hydrograph  
Cathcart Landfill Deep Aquifer  
Well G-08D2

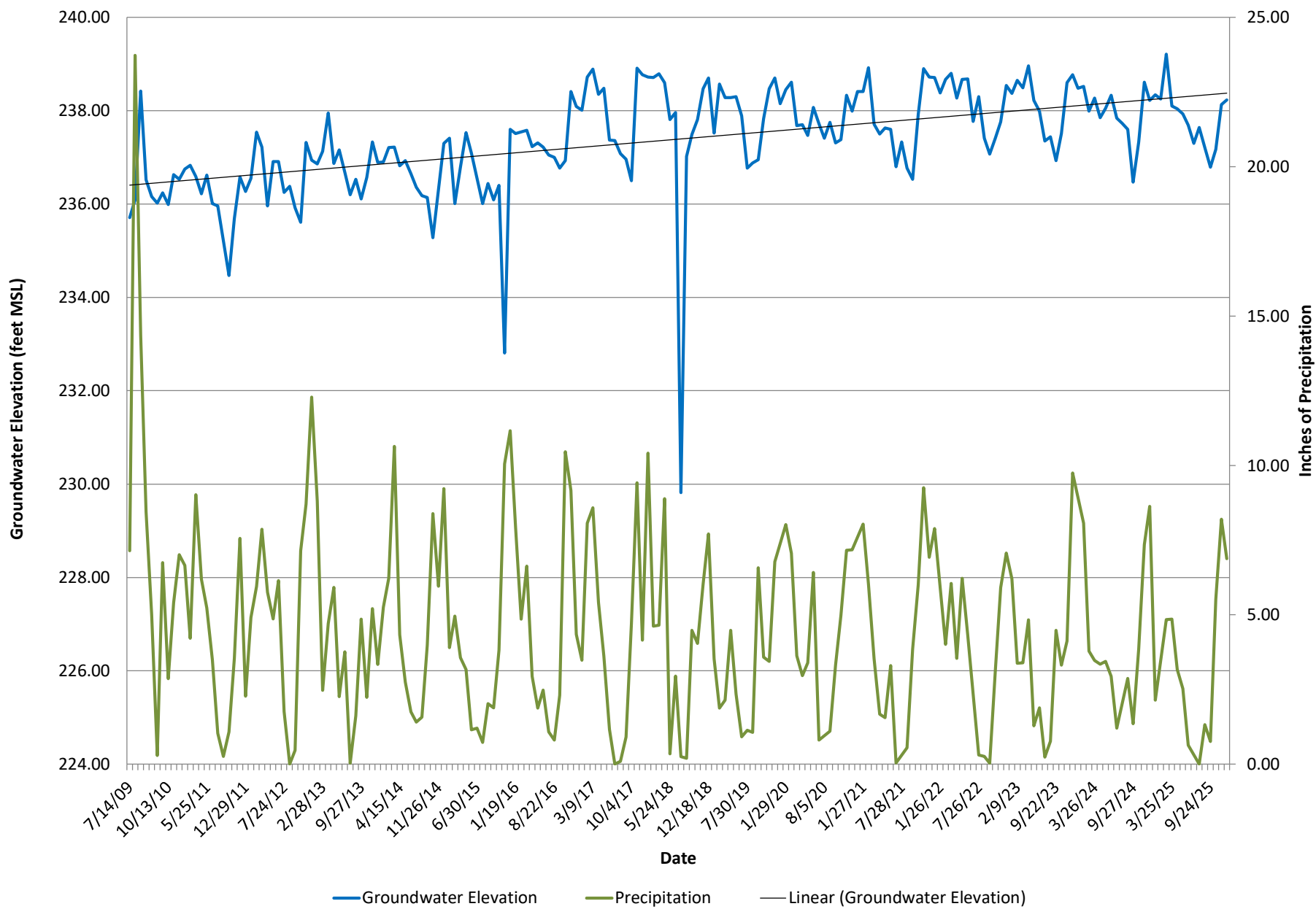




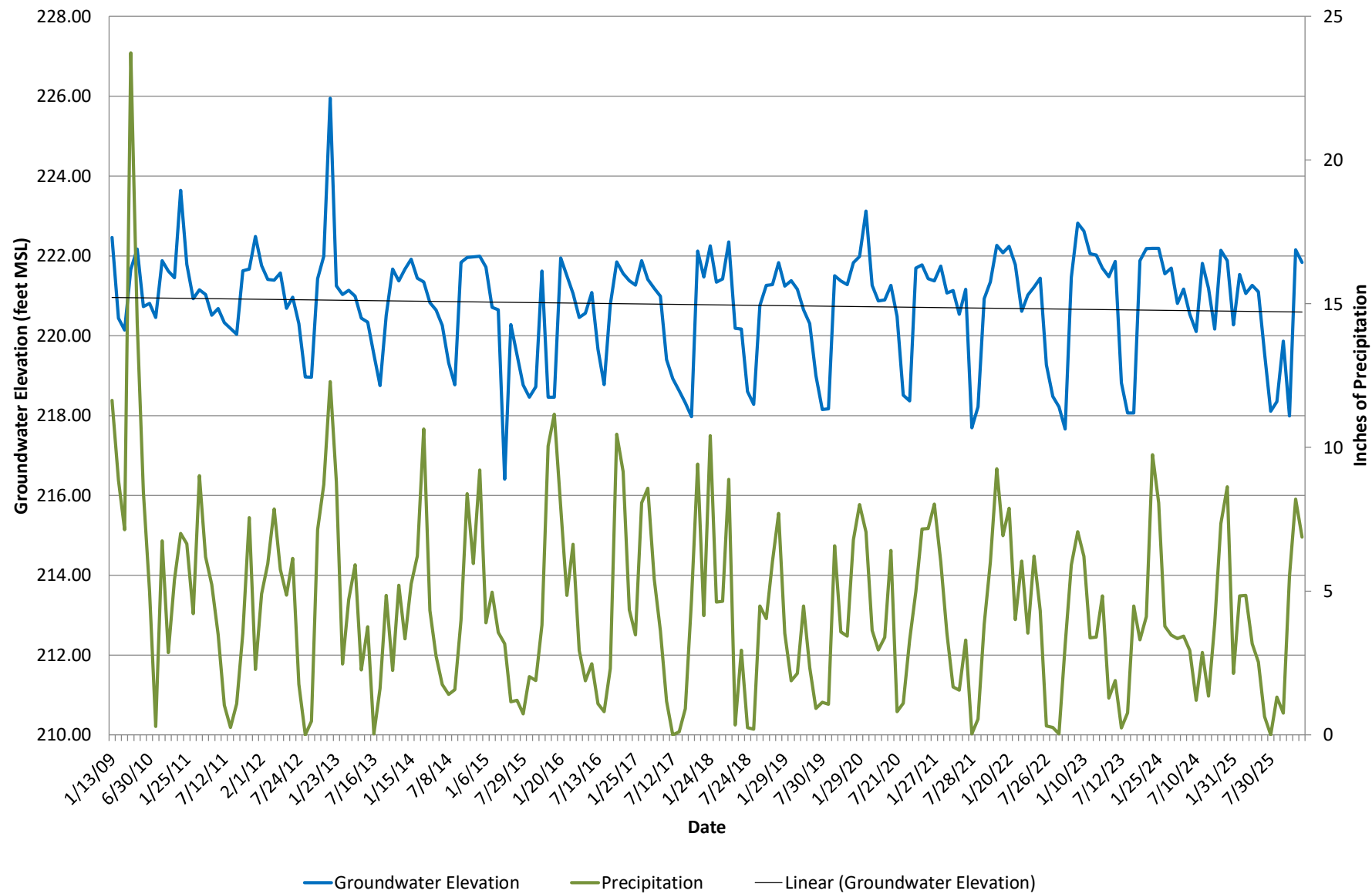
Hydrograph  
Cathcart Landfill Deep Aquifer  
Well G-09D



Hydrograph  
Cathcart Landfill Deep Aquifer  
Well G-10D

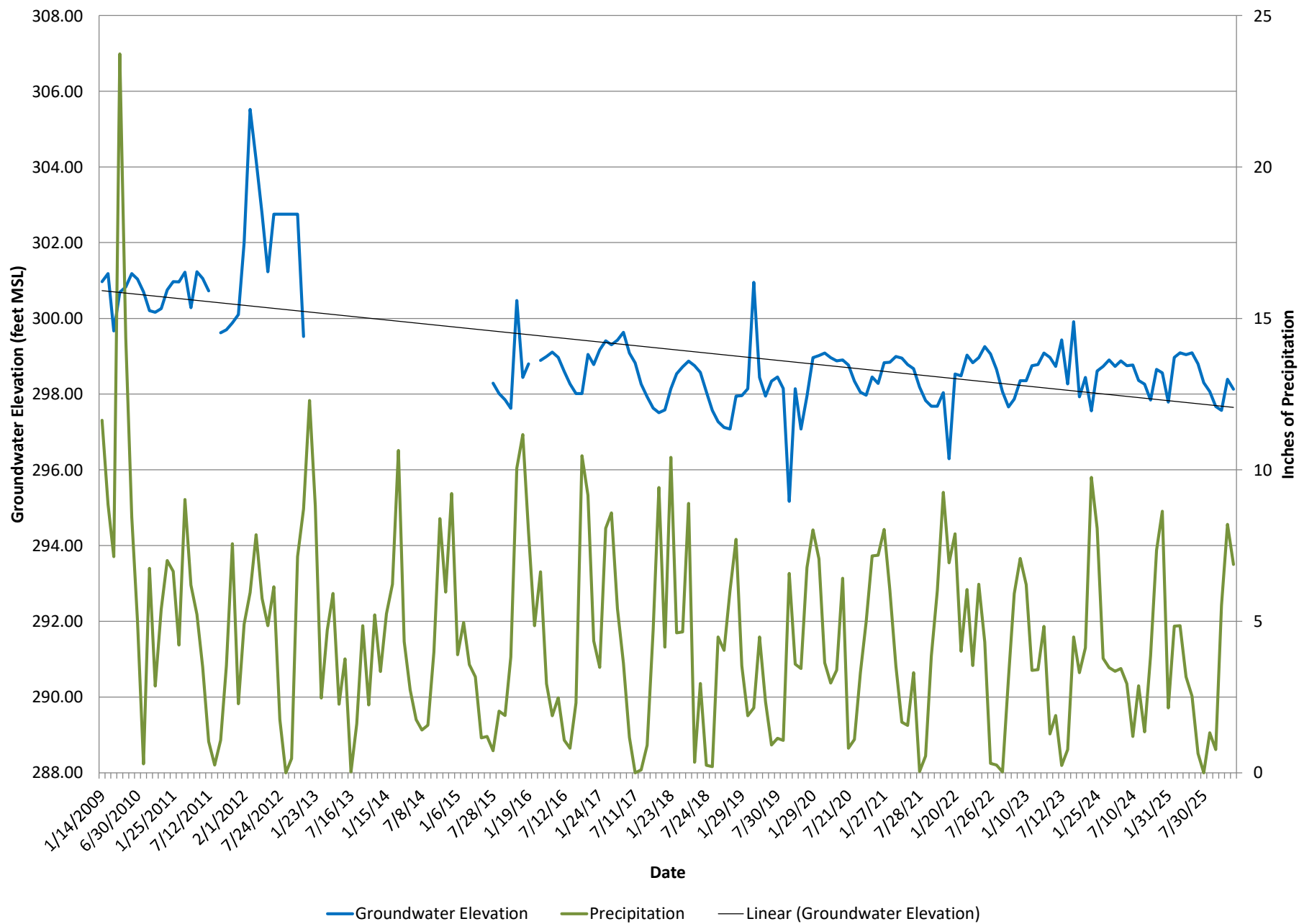


Hydrograph  
Cathcart Landfill Deep Aquifer  
Well G-13D

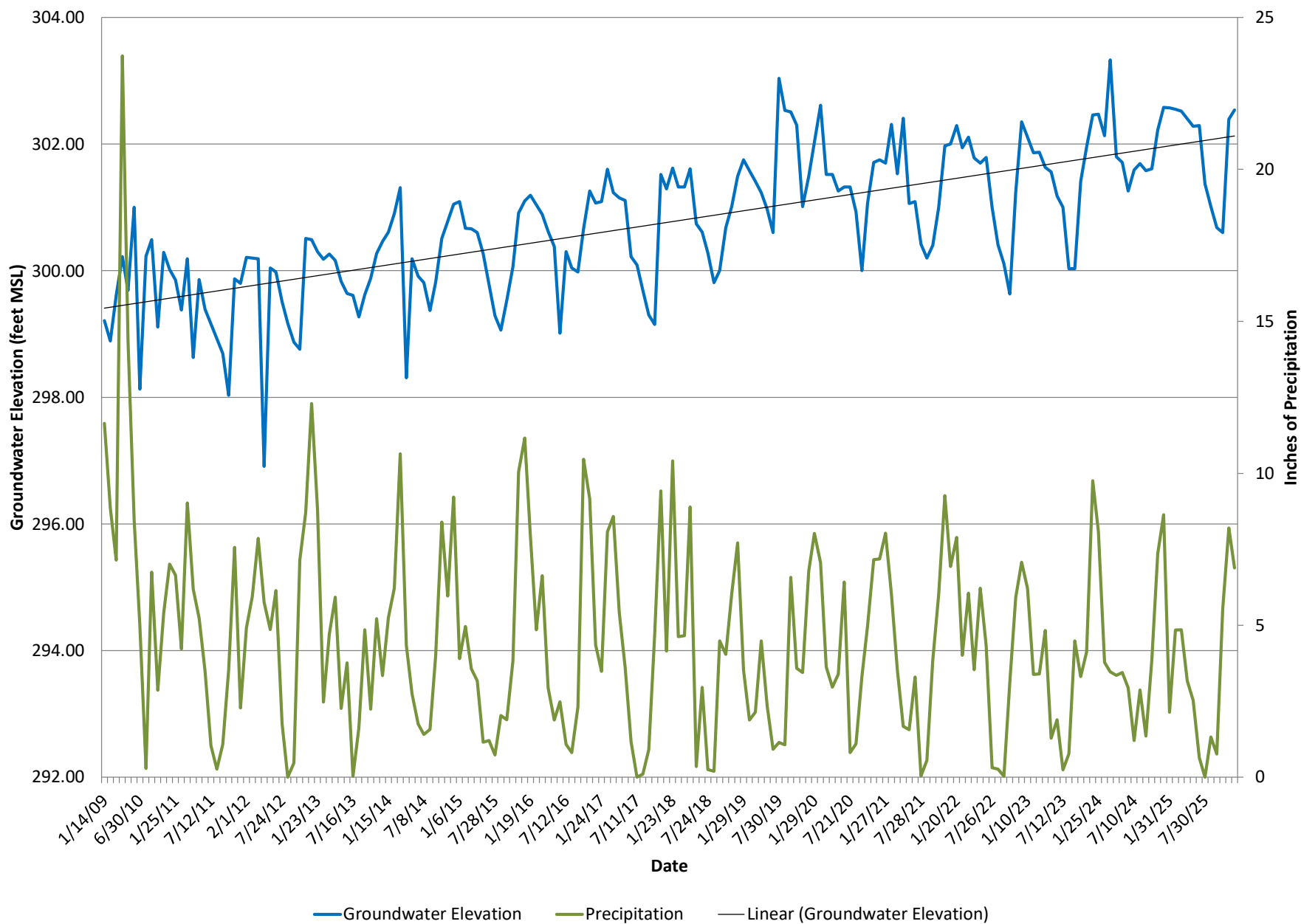




Hydrograph  
Cathcart Landfill Deep Aquifer  
Well G-14D



Hydrograph  
Cathcart Landfill Deep Aquifer  
Well G-24D



Site: **Cathcart Landfill - Deep Aquifer Groundwater Velocity, Second Quarter 2025**  
 Measurement Date: **4/1/2025**

|         |         | [X] matrix |          | [D] matrix |                |              |              |           |        |              |        |        |        |        |  |
|---------|---------|------------|----------|------------|----------------|--------------|--------------|-----------|--------|--------------|--------|--------|--------|--------|--|
| Well ID | X-axis  | Y-axis     | GW Elev. | D          | Pt             |              |              |           |        |              |        |        |        |        |  |
| G-01D   | 431.12  | 3977.30    | 205.31   | 1          |                |              |              |           |        |              |        |        |        |        |  |
| G-02D   | 733.79  | 3884.79    | 213.39   | 1          |                | 431.12       | 733.79       | 488.43    | 728.1  | 739.2        | 496    | 220.3  | 1266   | 781    |  |
| G-06B   | 488.43  | 3765.90    | 212.37   | 1          |                | 3977.3       | 3884.79      | 3765.9    | 4156   | 3614.85      | 3593   | 3939   | 2338   | 528.9  |  |
| G-08D2  | 728.12  | 4156.36    | 218.29   | 1          |                | 205.31       | 213.39       | 212.37    | 218.3  | 224.35       | 238    | 221.3  | 299    | 302.4  |  |
| G-09D   | 739.20  | 3614.85    | 224.35   | 1          | {[P]t{P}}      |              |              |           |        |              |        |        |        |        |  |
| G-10D   | 495.97  | 3593.41    | 238.04   | 1          |                |              |              |           |        |              |        |        |        |        |  |
| G-13D   | 220.31  | 3939.18    | 221.26   | 1          |                | 4546675.575  | 18125521.98  | 1455168   |        |              |        |        |        |        |  |
| G-14D   | 1266.00 | 2337.53    | 299.04   | 1          |                | 18125521.98  | 109608443.7  | 6749500   |        |              |        |        |        |        |  |
| G-24D   | 780.99  | 528.85     | 302.40   | 1          | {[P]t{P]]'     | 1455167.915  | 6749499.9    | 517261.7  |        |              |        |        |        |        |  |
| 10      | 0       | 0          | 0        | 1          |                |              |              |           |        |              |        |        |        |        |  |
| 11      | 0       | 0          | 0        | 1          |                |              |              |           |        |              |        |        |        |        |  |
| 12      | 0       | 0          | 0        | 1          |                | 2.38974E-06  | 9.56752E-08  | -7.97E-06 |        |              |        |        |        |        |  |
| 13      | 0       | 0          | 0        | 1          | {[P]t{P]]'[P]t | 9.56752E-08  | 5.02612E-08  | -9.25E-07 |        |              |        |        |        |        |  |
| 14      | 0       | 0          | 0        | 1          |                | -7.97128E-06 | -9.24989E-07 | 3.64E-05  |        |              |        |        |        |        |  |
| 15      | 0       | 0          | 0        | 1          |                |              |              |           |        |              |        |        |        |        |  |
| 16      | 0       | 0          | 0        | 1          |                |              |              |           |        |              |        |        |        |        |  |
| 17      | 0       | 0          | 0        | 1          | {[P]t{P]]'[P]t | -0.000225789 | 0.000424256  | -0.000165 | 4E-04  | 0.000323993  | -4E-04 | -9E-04 | 9E-04  | -5E-04 |  |
| 18      | 0       | 0          | 0        | 1          |                | 5.12418E-05  | 6.80762E-05  | 3.96E-05  | 8E-05  | 4.48885E-05  | 8E-06  | 1E-05  | -4E-05 | -2E-04 |  |
| 19      | 0       | 0          | 0        | 1          |                | 0.000363479  | -0.001669281 | 0.000359  | -0.002 | -0.001063464 | 0.001  | 0.003  | -0.001 | 0.004  |  |
| 20      | 0       | 0          | 0        | 1          |                |              |              |           |        |              |        |        |        |        |  |

{[P]t{P]]'[P]t [D] = [A] matrix  
 A -0.00010227  
 B 8.62948E-05  
 C 0.003288131

|                        |        |                                  |
|------------------------|--------|----------------------------------|
| Groundwater Gradient:  | 0.0407 |                                  |
| Conductivity (ft/day): | 0.029  |                                  |
| Effective porosity:    | 10%    |                                  |
| GW velocity:           | 0.0118 | ft/day                           |
|                        | 4.31   | ft/year                          |
| Flow direction:        | 139.84 | degrees from the positive x-axis |

This spreadsheet is from the paper, "A Spreadsheet Method For Estimating Hydraulic Gradient With Heads From Multiple Wells" submitted to Ground Water, March, 2002. To use the program, enter the coordinates for the well locations in the columns labeled x and y (part of the [X] matrix), and the water levels in the z column. The matrices are automatically updated and the gradient magnitude and direction are calculated in cell H30 and H35.



Site: **Cathcart Landfill - Deep Aquifer Groundwater Velocity, Fourth Quarter 2025**  
 Measurement Date: **10/7/2025**

| Recorded on Date: 10/2/2010 |            |         |          |            |                 |              |              |           |        |              |        |        |        |        |  |
|-----------------------------|------------|---------|----------|------------|-----------------|--------------|--------------|-----------|--------|--------------|--------|--------|--------|--------|--|
|                             | [X] matrix |         |          | [D] matrix |                 |              |              |           |        |              |        |        |        |        |  |
| Well ID                     | X-axis     | Y-axis  | GW Elev. | D          |                 |              |              |           |        |              |        |        |        |        |  |
| G-01D                       | 431.12     | 3977.30 | 202.15   | 1          | Pt              |              |              |           |        |              |        |        |        |        |  |
| G-02D                       | 733.79     | 3884.79 | 210.29   | 1          |                 | 431.12       | 733.79       | 488.43    | 728.1  | 739.2        | 496    | 220.3  | 1266   | 781    |  |
| G-06B                       | 488.43     | 3765.90 | 208.95   | 1          |                 | 3977.3       | 3884.79      | 3765.9    | 4156   | 3614.85      | 3593   | 3939   | 2338   | 528.9  |  |
| G-08D2                      | 728.12     | 4156.36 | 211.94   | 1          |                 | 202.15       | 210.29       | 208.95    | 211.9  | 220.19       | 237.2  | 218    | 297.6  | 300.6  |  |
| G-09D                       | 739.20     | 3614.85 | 220.19   | 1          |                 |              |              |           |        |              |        |        |        |        |  |
| G-10D                       | 495.97     | 3593.41 | 237.17   | 1          | {[P]t{[P]}      |              |              |           |        |              |        |        |        |        |  |
| G-13D                       | 220.31     | 3939.18 | 217.99   | 1          |                 | 4546675.575  | 18125521.98  | 1437743   |        |              |        |        |        |        |  |
| G-14D                       | 1266.00    | 2337.53 | 297.57   | 1          |                 | 18125521.98  | 109608443.7  | 6650183   |        |              |        |        |        |        |  |
| G-24D                       | 780.99     | 528.85  | 300.60   | 1          |                 | 1437743.052  | 6650183.259  | 504826.3  |        |              |        |        |        |        |  |
| 10                          | 0          | 0       | 0        | 1          |                 |              |              |           |        |              |        |        |        |        |  |
| 11                          | 0          | 0       | 0        | 1          | {[P]t{[P]}'     |              |              |           |        |              |        |        |        |        |  |
| 12                          | 0          | 0       | 0        | 1          |                 | 2.37043E-06  | 8.77073E-08  | -7.91E-06 |        |              |        |        |        |        |  |
| 13                          | 0          | 0       | 0        | 1          |                 | 8.77073E-08  | 4.86911E-08  | -8.91E-07 |        |              |        |        |        |        |  |
| 14                          | 0          | 0       | 0        | 1          |                 | -7.90635E-06 | -8.91209E-07 | 3.62E-05  |        |              |        |        |        |        |  |
| 15                          | 0          | 0       | 0        | 1          |                 |              |              |           |        |              |        |        |        |        |  |
| 16                          | 0          | 0       | 0        | 1          | {[P]t{[P]}'[P]t |              |              |           |        |              |        |        |        |        |  |
| 17                          | 0          | 0       | 0        | 1          |                 | -0.000227492 | 0.000417493  | -0.000164 | 4E-04  | 0.000328369  | -4E-04 | -9E-04 | 9E-04  | -5E-04 |  |
| 18                          | 0          | 0       | 0        | 1          |                 | 5.13138E-05  | 6.61013E-05  | 4E-05     | 8E-05  | 4.46092E-05  | 7E-06  | 2E-05  | -4E-05 | -2E-04 |  |
| 19                          | 0          | 0       | 0        | 1          |                 | 0.000372364  | -0.001643226 | 0.000354  | -0.002 | -0.001086669 | 0.001  | 0.003  | -0.001 | 0.004  |  |
| 20                          | 0          | 0       | 0        | 1          |                 |              |              |           |        |              |        |        |        |        |  |

{[P]t{[P]}'[P]t [D] = [A] matrix

A -9.65538E-05

B 8.93276E-05

C 0.003271669

|                        |        |                                  |
|------------------------|--------|----------------------------------|
| Groundwater Gradient:  | 0.0402 |                                  |
| Conductivity (ft/day): | 0.029  |                                  |
| Effective porosity:    | 10%    |                                  |
| GW velocity:           | 0.0117 | ft/day                           |
|                        | 4.26   | ft/year                          |
| Flow direction:        | 137.23 | degrees from the positive x-axis |

This spreadsheet is from the paper, "A Spreadsheet Method For Estimating Hydraulic Gradient With Heads From Multiple Wells" submitted to Ground Water, March, 2002. To use the program, enter the coordinates for the well locations in the columns labeled x and y (part of the [X] matrix), and the water levels in the z column. The matrices are automatically updated and the gradient magnitude and direction are calculated in cell H30 and H35.

# Appendix B

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## Groundwater Analytical Summary Tables

# Shallow Wells

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**Groundwater Analytical Summary - Shallow Wells: First Quarter 2025**  
**Cathcart Landfill, Snohomish County, WA**

|                                                                   | Statistical Method | Number of Samples | Number of Detects | Prediction Limit | Primary GW Stds 173-200 | G-09S   |   |   |    |    | G-10S   |   |   |    |    |
|-------------------------------------------------------------------|--------------------|-------------------|-------------------|------------------|-------------------------|---------|---|---|----|----|---------|---|---|----|----|
|                                                                   |                    |                   |                   |                  |                         | 1/14/25 | D | V | Tr | Ch | 1/14/25 | D | V | Tr | Ch |
| CONVENTIONAL CHEMISTRY PARAMETERS (mg/L)                          |                    |                   |                   |                  |                         |         |   |   |    |    |         |   |   |    |    |
| Alkalinity (as CaCO3)                                             | nonpar             | 58                | 58                | 230              | --                      | 360     |   | E |    |    | 432     |   | V |    |    |
| Ammonia Nitrogen                                                  | lognor             | 58                | 40                | 8.5734           | --                      | 0.02    | U |   |    |    | 0.267   |   |   |    |    |
| Bicarbonate                                                       | nonpar             | 58                | 58                | 210              | --                      | 360     |   | E |    |    | 432     |   | V |    |    |
| Calcium, Dissolved                                                | normal             | 54                | 54                | 20.0173          | --                      | 76.5    |   | E |    |    | 86.8    |   | V | D  | Y  |
| Chemical Oxygen Demand                                            | nonpar             | 58                | 7                 | 18               | --                      | 11.3    |   |   |    |    | 10      | U |   |    |    |
| Chloride                                                          | lognor             | 58                | 58                | 16.4022          | 250                     | 3.57    |   |   |    |    | 6.87    |   |   | D  | N  |
| Conductivity (umhos/cm)                                           | nonpar             | 57                | 57                | 540              | 700                     | 894     |   | V |    |    | 1220    |   | E |    |    |
| Magnesium, Dissolved                                              | lognor             | 57                | 44                | 28.2158          | --                      | 31.1    |   | E |    |    | 21.5    |   | V | D  | Y  |
| Nitrate Nitrogen (mg-N/L)                                         | nonpar             | 58                | 50                | 1.3              | 10                      | 0.02    | U |   |    |    | 0.035   |   |   |    |    |
| Nitrite Nitrogen (mg-N/L)                                         | lognor             | 56                | 32                | 25.3826          | 1                       | 0.002   |   |   |    |    | 0.002   |   |   |    |    |
| pH (std units)                                                    | nonpar             | 59                | 59                | 6.60-9.34        | 6.5-8.5                 | 5.47    |   | E | D  | Y  | 6.27    |   |   |    |    |
| Potassium, Dissolved                                              | normal             | 56                | 44                | 1.5082           | --                      | 5.42    |   | E |    |    | 3.79    |   | V |    |    |
| Sodium, Dissolved                                                 | nonpar             | 58                | 58                | 114              | 20                      | 88.5    |   | P |    |    | 161     |   | V |    |    |
| Sulfate                                                           | nonpar             | 57                | 57                | 321.257          | 250                     | 135     |   |   | D  | N  | 256     |   |   | D  | N  |
| Total Dissolved Solids                                            | nonpar             | 58                | 58                | 364.0196         | 500                     | 570     |   | V |    |    | 786     |   | V | D  | Y  |
| Total Organic Carbon                                              | nonpar             | 58                | 53                | 14               | --                      | 4.3     |   |   |    |    | 3.7     |   |   |    |    |
| TOTAL METALS EPA Methods 200.7/200.8 (µg/L)                       |                    |                   |                   |                  |                         |         |   |   |    |    |         |   |   |    |    |
| Antimony                                                          | nonpar             | 50                | 7                 | 0.9              | 6                       | 0.3     | U |   |    |    | 0.3     | U |   |    |    |
| Arsenic                                                           | normal             | 49                | 49                | 4.9              | 0.05                    | 0.783   |   |   |    |    | 4.978   |   | V |    |    |
| Barium                                                            | lognor             | 51                | 47                | 705.9            | 1000                    | 10      | U |   |    |    | 10      | U |   |    |    |
| Beryllium                                                         | nonpar             | 51                | 2                 | 0.5              | 4                       | 0.3     | U |   |    |    | 0.3     | U |   |    |    |
| Cadmium                                                           | nonpar             | 49                | 16                | 0.7              | 5                       | 0.1     | U |   |    |    | 0.1     | U |   |    |    |
| Chromium                                                          | lognor             | 51                | 33                | 11219.2          | 50                      | 20      | U |   |    |    | 20      | U |   |    |    |
| Cobalt                                                            | nonpar             | 45                | 5                 | 7                | --                      | 10      | U |   |    |    | 10      | U |   |    |    |
| Copper                                                            | lognor             | 51                | 28                | 19603            | 1000                    | 10      | U |   |    |    | 10      | U |   |    |    |
| Iron                                                              | lognor             | 58                | 37                | 48285.5          | 300                     | 629     |   |   |    | Y  | 8850    |   |   | D  | Y  |
| Lead                                                              | nonpar             | 58                | 21                | 3.9              | 50                      | 0.692   |   |   | D  | N  | 0.2     | U |   |    |    |
| Manganese                                                         | nonpar             | 58                | 35                | 487              | 50                      | 87      |   |   | D  | N  | 2620    |   | V | D  | Y  |
| Nickel                                                            | lognor             | 58                | 16                | 10252.9          | 100                     | 75      |   |   |    |    | 57      |   |   |    |    |
| Selenium                                                          | nonpar             | 54                | 2                 | 2.3              | 10                      | 1       | U |   |    |    | 1       | U |   |    |    |
| Silver                                                            | nonpar             | 58                | 2                 | 0.6              | 50                      | 1.692   |   | E |    |    | 0.2     | U |   |    |    |
| Thallium                                                          | nonpar             | 58                | 3                 | 0.1              | 2                       | 0.1     | U |   |    |    | 0.1     | U |   |    |    |
| Vanadium                                                          | nonpar             | 58                | 2                 | 43               | --                      | 55      |   | E |    |    | 79      |   | E |    |    |
| Zinc                                                              | lognor             | 51                | 36                | 7534.4           | 5000                    | 10      | U |   |    |    | 10      | U |   |    |    |
| DISSOLVED METALS EPA Methods 200.7/200.8 (µg/L)                   |                    |                   |                   |                  |                         |         |   |   |    |    |         |   |   |    |    |
| Antimony                                                          | --                 | --                | --                | --               | 6                       | 0.1     | U |   |    |    | 0.1     | U |   |    |    |
| Arsenic                                                           | --                 | --                | --                | --               | 0.05                    | 0.890   |   |   |    |    | 5.780   |   |   |    |    |
| Barium                                                            | --                 | --                | --                | --               | 1000                    | 10      | U |   |    |    | 10      | U |   |    |    |
| Beryllium                                                         | --                 | --                | --                | --               | 4                       | 0.2     | U |   |    |    | 0.2     | U |   |    |    |
| Cadmium                                                           | --                 | --                | --                | --               | 5                       | 0.05    | U |   |    |    | 0.05    | U |   |    |    |
| Chromium                                                          | --                 | --                | --                | --               | 50                      | 20      | U |   |    |    | 20      | U |   |    |    |
| Cobalt                                                            | --                 | --                | --                | --               | --                      | 10      | U |   |    |    | 10      | U |   |    |    |
| Copper                                                            | --                 | --                | --                | --               | 1000                    | 20      | U |   |    |    | 20      | U |   |    |    |
| Iron                                                              | lognor             | 58                | 37                | 9150.1           | 300                     | 30      | U |   |    |    | 7720    |   |   | D  | N  |
| Lead                                                              | --                 | --                | --                | --               | 50                      | 0.2     | U |   |    |    | 0.2     | U |   |    |    |
| Manganese                                                         | lognor             | 58                | 35                | 22907.1          | 50                      | 23      |   |   | D  | Y  | 2630    |   |   | D  | N  |
| Nickel                                                            | --                 | --                | --                | --               | 100                     | 65      |   |   |    |    | 54      |   |   |    |    |
| Selenium                                                          | --                 | --                | --                | --               | 10                      | 1.392   |   |   |    |    | 0.574   |   |   |    |    |
| Silver                                                            | --                 | --                | --                | --               | 50                      | 0.2     | U |   |    |    | 0.2     | U |   |    |    |
| Thallium                                                          | --                 | --                | --                | --               | 2                       | 0.05    | U |   |    |    | 0.05    | U |   |    |    |
| Vanadium                                                          | --                 | --                | --                | --               | --                      | 20      | U |   |    |    | 20      | U |   |    |    |
| Zinc                                                              | --                 | --                | --                | --               | 5000                    | 20      | U |   |    |    | 20      | U |   |    |    |
| VOLATILE ORGANIC COMPOUNDS (VOCs) EPA Method 8260/8260 SIM (µg/L) |                    |                   |                   |                  |                         |         |   |   |    |    |         |   |   |    |    |
| 1,1,1-Trichloroethane                                             | --                 | --                | --                | --               | 200                     | 1       | U |   |    |    | 1       | U |   |    |    |
| 1,1,2,2-Tetrachloroethane                                         | --                 | --                | --                | --               | --                      | 1       | U |   |    |    | 1       | U |   |    |    |
| 1,1,2-Trichloroethane                                             | --                 | --                | --                | --               | --                      | 2       | U |   |    |    | 2       | U |   |    |    |
| 1,1-Dichloroethane                                                | --                 | --                | --                | --               | 1                       | 1       | U |   |    |    | 1       | U |   |    |    |
| 1,1-Dichloroethylene                                              | --                 | --                | --                | --               | --                      | 1       | U |   |    |    | 1       | U |   |    |    |
| 1,2,3-Trichloropropane                                            | --                 | --                | --                | --               | --                      | 1       | U |   |    |    | 1       | U |   |    |    |
| 1,2-Dibromo-3-chloropropane                                       | --                 | --                | --                | --               | 0.2                     | 0.03    | U |   |    |    | 0.03    | U |   |    |    |
| 1,2-Dibromoethane                                                 | --                 | --                | --                | --               | 0.001                   | 0.01    | U |   |    |    | 0.01    | U |   |    |    |
| 1,2-Dichlorobenzene                                               | --                 | --                | --                | --               | --                      | 1       | U |   |    |    | 1       | U |   |    |    |

**Groundwater Analytical Summary - Shallow Wells: First Quarter 2025**  
**Cathcart Landfill, Snohomish County, WA**

|                                                                           | Statistical Method | Number of Samples | Number of Detects | Prediction Limit | Primary GW Stds 173-200 |         |   |   |    |    |         |   |   |    |    |
|---------------------------------------------------------------------------|--------------------|-------------------|-------------------|------------------|-------------------------|---------|---|---|----|----|---------|---|---|----|----|
|                                                                           |                    |                   |                   |                  |                         | G-09S   |   |   |    |    | G-10S   |   |   |    |    |
|                                                                           |                    |                   |                   |                  |                         | 1/14/25 | D | V | Tr | Ch | 1/14/25 | D | V | Tr | Ch |
| VOLATILE ORGANIC COMPOUNDS (VOCs) EPA Method 8260/8260 SIM (µg/L) (cont.) |                    |                   |                   |                  |                         |         |   |   |    |    |         |   |   |    |    |
| 1,2-Dichloroethane                                                        | --                 | --                | --                | --               | 0.5                     | 0.03    | U |   |    |    | 0.03    | U |   |    |    |
| 1,2-Dichloropropane                                                       | --                 | --                | --                | --               | 0.6                     | 0.02    | U |   |    |    | 0.02    | U |   |    |    |
| 1,4-Dichlorobenzene                                                       | --                 | --                | --                | --               | 4                       | 1       | U |   |    |    | 1       | U |   |    |    |
| 2-Butanone                                                                | --                 | --                | --                | --               | --                      | 5       | U |   |    |    | 5       | U |   |    |    |
| 2-Hexanone                                                                | --                 | --                | --                | --               | --                      | 2       | U |   |    |    | 2       | U |   |    |    |
| 4-Methyl-2-Pentanone (MIBK)                                               | --                 | --                | --                | --               | --                      | 3       | U |   |    |    | 3       | U |   |    |    |
| Acetone                                                                   | --                 | --                | --                | --               | --                      | 5       | U |   |    |    | 5       | U |   |    |    |
| Acrylonitrile                                                             | --                 | --                | --                | --               | 0.07                    | 0.05    | U |   |    |    | 0.05    | U |   |    |    |
| Benzene                                                                   | --                 | --                | --                | --               | 1                       | 0.1     | U |   |    |    | 0.1     | U |   |    |    |
| Bromodichloromethane                                                      | --                 | --                | --                | --               | 0.3                     | 0.02    | U |   |    |    | 0.02    | U |   |    |    |
| Bromoform                                                                 | --                 | --                | --                | --               | 5                       | 2       | U |   |    |    | 2       | U |   |    |    |
| Bromomethane                                                              | --                 | --                | --                | --               | --                      | 2       | U |   |    |    | 2       | U |   |    |    |
| Carbon Disulfide                                                          | --                 | --                | --                | --               | --                      | 3       | U |   |    |    | 3       | U |   |    |    |
| Carbon Tetrachloride                                                      | --                 | --                | --                | --               | 0.3                     | 0.02    | U |   |    |    | 0.02    | U |   |    |    |
| Chlorobenzene                                                             | --                 | --                | --                | --               | --                      | 0.03    | U |   |    |    | 0.03    | U |   |    |    |
| Chlorodibromomethane                                                      | --                 | --                | --                | --               | 0.5                     | 0.1     | U |   |    |    | 0.1     | U |   |    |    |
| Chloroethane                                                              | --                 | --                | --                | --               | --                      | 0.02    | U |   |    |    | 0.02    | U |   |    |    |
| Chloroform                                                                | --                 | --                | --                | --               | 7                       | 1       | U |   |    |    | 1       | U |   |    |    |
| Chloromethane                                                             | --                 | --                | --                | --               | --                      | 0.1     | U |   |    |    | 0.1     | U |   |    |    |
| cis-1,2-Dichloroethene                                                    | --                 | --                | --                | --               | --                      | 0.03    | U |   |    |    | 0.18    |   |   |    |    |
| cis-1,3-Dichloropropene                                                   | --                 | --                | --                | --               | 0.2                     | 0.03    | U |   |    |    | 0.03    | U |   |    |    |
| Dibromomethane                                                            | --                 | --                | --                | --               | --                      | 0.02    | U |   |    |    | 0.02    | U |   |    |    |
| Ethyl Benzene                                                             | --                 | --                | --                | --               | --                      | 1       | U |   |    |    | 1       | U |   |    |    |
| m,p-Xylene                                                                | --                 | --                | --                | --               | --                      | 5       | U |   |    |    | 5       | U |   |    |    |
| Methyl Iodide                                                             | --                 | --                | --                | --               | --                      | 3       | U |   |    |    | 3       | U |   |    |    |
| Methylene Chloride                                                        | --                 | --                | --                | --               | 5                       | 3       | U |   |    |    | 3       | U |   |    |    |
| o-Xylene                                                                  | --                 | --                | --                | --               | --                      | 1.5     | U |   |    |    | 1.5     | U |   |    |    |
| Styrene                                                                   | --                 | --                | --                | --               | --                      | 2       | U |   |    |    | 2       | U |   |    |    |
| Tetrachloroethylene                                                       | --                 | --                | --                | --               | 0.8                     | 0.03    | U |   |    |    | 0.03    | U |   |    |    |
| Toluene                                                                   | --                 | --                | --                | --               | --                      | 2       | U |   |    |    | 2       | U |   |    |    |
| trans-1,2-Dichloroethene                                                  | --                 | --                | --                | --               | --                      | 1       | U |   |    |    | 1       | U |   |    |    |
| trans-1,3-Dichloropropene                                                 | --                 | --                | --                | --               | 0.2                     | 0.03    | U |   |    |    | 0.03    | U |   |    |    |
| trans-1,4-Dichloro-2-butene                                               | --                 | --                | --                | --               | --                      | 2       | U |   |    |    | 2       | U |   |    |    |
| Trichlorethene (1,1,1,2-Trichloroet                                       | --                 | --                | --                | --               | 3                       | 2       | U |   |    |    | 2       | U |   |    |    |
| Trichlorofluoromethane                                                    | --                 | --                | --                | --               | --                      | 2       | U |   |    |    | 2       | U |   |    |    |
| Vinyl Acetate                                                             | --                 | --                | --                | --               | --                      | 3       | U |   |    |    | 3       | U |   |    |    |
| Vinyl Chloride                                                            | --                 | --                | --                | --               | 0.02                    | 0.01    | U |   |    |    | 0.01    | U |   |    |    |

D: U = Indicates compound was not detected at the given reporting limit; X indicates that the compound was detected in the trip blank and contamination is suspected.

V: E= Exceedance, waiting verification based on subsequent lab data; V= Exceedance verified based on previous lab data; P=Passed, previous exceedance not verified based on current lab data.

Tr: I=Increasing Trend, D=Decreasing Trend;

Ch: Y indicates a change in trend from previous quarter; N means no change in trend.

Values in purple exceed the prediction limit;   indicates that a value exceeded the Groundwater Standards

The groundwater standards listed are based on the Washington Administrative Code (WAC) 173-200 groundwater limits as modified by the TMS 91-11 standards - the most restrictive of the two is used.

B = Methylene chloride was measured in the lab blank at a similar concentration - contamination during analysis suspected.

Table 2

## Most Current Downgradient Monitoring Data

| Constituent                        | Units     | Well  | Date       |    | Result   |     | Pred. Limit  |
|------------------------------------|-----------|-------|------------|----|----------|-----|--------------|
| Alkalinity (as cacO <sub>3</sub> ) | mg/L      | G-01A | 10/01/2024 |    | 45.6000  |     | 230.0000     |
| Ammonia nitrogen                   | mg-N/L    | G-01A | 10/01/2024 | ND | 0.0200   |     | 8.7410       |
| Antimony                           | mg/L      | G-01A | 10/01/2024 | ND | 0.0002   |     | 0.0009       |
| Arsenic                            | mg/L      | G-01A | 10/01/2024 |    | 0.0003   |     | 0.0048       |
| Barium                             | mg/L      | G-01A | 10/01/2024 | ND | 0.0060   |     | 0.9195       |
| Beryllium                          | mg/L      | G-01A | 10/01/2024 | ND | 0.0001   |     | 0.0005       |
| Bicarbonate                        | mg/L      | G-01A | 10/01/2024 |    | 45.6000  |     | 210.0000     |
| Cadmium                            | mg/L      | G-01A | 10/01/2024 | ND | 0.0000   |     | 0.0007       |
| Chemical oxygen demand             | mg/L      | G-01A | 10/01/2024 | ND | 2.1100   |     | 18.0000      |
| Chloride                           | mg/L      | G-01A | 10/01/2024 |    | 1.3300   |     | 16.2298      |
| Chromium                           | mg/L      | G-01A | 10/01/2024 | ND | 0.0150   | **  | 0.0415       |
| Cobalt, Total                      | mg/L      | G-01A | 10/01/2024 | ND | 0.0040   |     | 0.0070       |
| Conductivity                       | umhos/cm  | G-01A | 10/01/2024 |    | 172.0000 |     | 500.0000     |
| Copper                             | mg/L      | G-01A | 10/01/2024 | ND | 0.0070   |     | 21.3465      |
| Dissolved calcium                  | mg/L      | G-01A | 10/01/2024 |    | 15.5000  |     | 19.3274      |
| Dissolved iron                     | mg/L      | G-01A | 10/01/2024 |    | 0.0310   |     | 10.0538      |
| Dissolved magnesium                | mg/L      | G-01A | 10/01/2024 |    | 4.1400   |     | 5.6654       |
| Dissolved manganese                | mg/L      | G-01A | 10/01/2024 | ND | 0.0060   |     | 0.0294       |
| Dissolved potassium                | mg/L      | G-01A | 10/01/2024 |    | 1.0700   |     | 1.5118       |
| Dissolved sodium                   | mg/L      | G-01A | 10/01/2024 |    | 7.1200   |     | 120.4794     |
| Iron                               | mg/L      | G-01A | 10/01/2024 |    | 0.0550   |     | 47.6999      |
| Lead                               | mg/L      | G-01A | 10/01/2024 | ND | 0.0002   |     | 0.0039       |
| Manganese                          | mg/L      | G-01A | 10/01/2024 | ND | 0.0050   |     | 0.4870       |
| Nickel                             | mg/L      | G-01A | 10/01/2024 | ND | 0.0080   |     | 12.1447      |
| Nitrate nitrogen                   | mg-N/L    | G-01A | 10/01/2024 |    | 0.4900   |     | 1.3000       |
| Nitrite nitrogen                   | mg-N/L    | G-01A | 10/01/2024 |    | 0.0020   |     | 25.8917      |
| pH                                 | std units | G-01A | 10/01/2024 |    | 5.1400   | *   | 5.48 - 10.60 |
| Selenium                           | mg/L      | G-01A | 10/01/2024 | ND | 0.0007   |     | 0.0023       |
| Silver                             | mg/L      | G-01A | 10/01/2024 | ND | 0.0002   |     | 0.0006       |
| Sulfate                            | mg/L      | G-01A | 10/01/2024 |    | 33.6000  |     | 322.7847     |
| Thallium                           | mg/L      | G-01A | 10/01/2024 | ND | 0.0000   |     | 0.0001       |
| Total dissolved solids             | mg/L      | G-01A | 10/01/2024 |    | 119.0000 |     | 355.2763     |
| Total organic carbon               | mg/L      | G-01A | 10/01/2024 |    | 4.0000   |     | 14.0000      |
| Vanadium                           | mg/L      | G-01A | 10/01/2024 | ND | 0.0130   |     | 0.0430       |
| Zinc                               | mg/L      | G-01A | 10/01/2024 | ND | 0.0110   |     | 7.9125       |
| Alkalinity (as cacO <sub>3</sub> ) | mg/L      | G-04A | 04/17/2024 |    | 220.0000 |     | 230.0000     |
| Ammonia nitrogen                   | mg-N/L    | G-04A | 04/17/2024 |    | 0.3490   |     | 8.7410       |
| Antimony                           | mg/L      | G-04A | 04/17/2024 |    | 0.0005   |     | 0.0009       |
| Arsenic                            | mg/L      | G-04A | 04/17/2024 |    | 0.0024   | **  | 0.0048       |
| Barium                             | mg/L      | G-04A | 04/17/2024 |    | 0.0100   |     | 0.9195       |
| Beryllium                          | mg/L      | G-04A | 04/17/2024 |    | 0.0003   |     | 0.0005       |
| Bicarbonate                        | mg/L      | G-04A | 04/17/2024 |    | 220.0000 | *** | 210.0000     |
| Cadmium                            | mg/L      | G-04A | 04/17/2024 |    | 0.0001   |     | 0.0007       |
| Chemical oxygen demand             | mg/L      | G-04A | 04/17/2024 |    | 15.0000  |     | 18.0000      |
| Chloride                           | mg/L      | G-04A | 04/17/2024 |    | 30.1000  | *   | 16.2298      |
| Chromium                           | mg/L      | G-04A | 04/17/2024 |    | 0.0490   | *   | 0.0415       |
| Cobalt, Total                      | mg/L      | G-04A | 04/18/2023 |    | 0.0170   | *** | 0.0070       |
| Conductivity                       | umhos/cm  | G-04A | 04/17/2024 |    | 572.0000 | *** | 500.0000     |
| Copper                             | mg/L      | G-04A | 04/17/2024 |    | 0.0220   |     | 21.3465      |
| Dissolved calcium                  | mg/L      | G-04A | 04/17/2024 |    | 53.6000  | *** | 19.3274      |
| Dissolved iron                     | mg/L      | G-04A | 04/17/2024 |    | 25.3000  | *   | 10.0538      |
| Dissolved magnesium                | mg/L      | G-04A | 04/17/2024 |    | 31.2000  | *** | 5.6654       |
| Dissolved manganese                | mg/L      | G-04A | 04/17/2024 |    | 7.5900   | *** | 0.0294       |
| Dissolved potassium                | mg/L      | G-04A | 04/17/2024 |    | 2.7200   | *** | 1.5118       |
| Dissolved sodium                   | mg/L      | G-04A | 04/17/2024 |    | 15.8000  |     | 120.4794     |
| Iron                               | mg/L      | G-04A | 04/17/2024 |    | 20.5000  |     | 47.6999      |
| Lead                               | mg/L      | G-04A | 04/17/2024 |    | 0.0006   |     | 0.0039       |
| Manganese                          | mg/L      | G-04A | 04/17/2024 |    | 7.0000   | *** | 0.4870       |
| Nickel                             | mg/L      | G-04A | 04/17/2024 |    | 0.0560   |     | 12.1447      |
| Nitrate nitrogen                   | mg-N/L    | G-04A | 04/17/2024 |    | 0.0430   |     | 1.3000       |
| Nitrite nitrogen                   | mg-N/L    | G-04A | 04/17/2024 |    | 0.0200   |     | 25.8917      |
| pH                                 | std units | G-04A | 04/17/2024 |    | 5.8200   |     | 5.48 - 10.60 |
| Selenium                           | mg/L      | G-04A | 04/17/2024 |    | 0.0015   |     | 0.0023       |
| Silver                             | mg/L      | G-04A | 04/17/2024 |    | 0.0006   |     | 0.0006       |
| Sulfate                            | mg/L      | G-04A | 04/17/2024 |    | 29.6000  |     | 322.7847     |
| Thallium                           | mg/L      | G-04A | 04/17/2024 |    | 0.0001   |     | 0.0001       |
| Total dissolved solids             | mg/L      | G-04A | 04/17/2024 |    | 390.0000 | *   | 355.2763     |



Table 2

## Most Current Downgradient Monitoring Data

| Constituent            | Units     | Well   | Date       |    | Result   |     | Pred. Limit  |
|------------------------|-----------|--------|------------|----|----------|-----|--------------|
| Total organic carbon   | mg/L      | G-04A  | 04/17/2024 |    | 12.2000  |     | 14.0000      |
| Vanadium               | mg/L      | G-04A  | 04/17/2024 |    | 0.0430   |     | 0.0430       |
| Zinc                   | mg/L      | G-04A  | 04/17/2024 |    | 0.0380   |     | 7.9125       |
| Alkalinity (as caco3)  | mg/L      | G-08D1 | 10/01/2024 |    | 165.0000 |     | 230.0000     |
| Ammonia nitrogen       | mg-N/L    | G-08D1 | 10/01/2024 |    | 0.1280   |     | 8.7410       |
| Antimony               | mg/L      | G-08D1 | 10/01/2024 | ND | 0.0002   |     | 0.0009       |
| Arsenic                | mg/L      | G-08D1 | 10/01/2024 |    | 0.0014   |     | 0.0048       |
| Barium                 | mg/L      | G-08D1 | 10/01/2024 |    | 0.0190   |     | 0.9195       |
| Beryllium              | mg/L      | G-08D1 | 10/01/2024 | ND | 0.0001   |     | 0.0005       |
| Bicarbonate            | mg/L      | G-08D1 | 10/01/2024 |    | 89.8000  |     | 210.0000     |
| Cadmium                | mg/L      | G-08D1 | 10/01/2024 | ND | 0.0000   |     | 0.0007       |
| Chemical oxygen demand | mg/L      | G-08D1 | 10/01/2024 | ND | 2.1100   |     | 18.0000      |
| Chloride               | mg/L      | G-08D1 | 10/01/2024 |    | 2.9700   |     | 16.2298      |
| Chromium               | mg/L      | G-08D1 | 10/01/2024 | ND | 0.0150   | **  | 0.0415       |
| Cobalt, Total          | mg/L      | G-08D1 | 10/01/2024 | ND | 0.0040   |     | 0.0070       |
| Conductivity           | umhos/cm  | G-08D1 | 10/01/2024 |    | 466.0000 |     | 500.0000     |
| Copper                 | mg/L      | G-08D1 | 10/01/2024 | ND | 0.0070   |     | 21.3465      |
| Dissolved calcium      | mg/L      | G-08D1 | 10/01/2024 |    | 0.6070   |     | 19.3274      |
| Dissolved iron         | mg/L      | G-08D1 | 10/01/2024 | ND | 0.0230   |     | 10.0538      |
| Dissolved magnesium    | mg/L      | G-08D1 | 10/01/2024 | ND | 0.0240   |     | 5.6654       |
| Dissolved manganese    | mg/L      | G-08D1 | 10/01/2024 | ND | 0.0060   |     | 0.0294       |
| Dissolved potassium    | mg/L      | G-08D1 | 10/01/2024 | ND | 0.4350   |     | 1.5118       |
| Dissolved sodium       | mg/L      | G-08D1 | 10/01/2024 |    | 94.2000  |     | 120.4794     |
| Iron                   | mg/L      | G-08D1 | 10/01/2024 |    | 2.4500   |     | 47.6999      |
| Lead                   | mg/L      | G-08D1 | 10/01/2024 |    | 0.0008   |     | 0.0039       |
| Manganese              | mg/L      | G-08D1 | 10/01/2024 |    | 0.0410   |     | 0.4870       |
| Nickel                 | mg/L      | G-08D1 | 10/01/2024 | ND | 0.0080   |     | 12.1447      |
| Nitrate nitrogen       | mg-N/L    | G-08D1 | 10/01/2024 |    | 0.2540   |     | 1.3000       |
| Nitrite nitrogen       | mg-N/L    | G-08D1 | 10/01/2024 |    | 0.0050   |     | 25.8917      |
| pH                     | std units | G-08D1 | 10/01/2024 |    | 8.8100   |     | 5.48 - 10.60 |
| Selenium               | mg/L      | G-08D1 | 10/01/2024 |    | 0.0011   |     | 0.0023       |
| Silver                 | mg/L      | G-08D1 | 10/01/2024 | ND | 0.0002   |     | 0.0006       |
| Sulfate                | mg/L      | G-08D1 | 10/01/2024 |    | 46.4000  |     | 322.7847     |
| Thallium               | mg/L      | G-08D1 | 10/01/2024 | ND | 0.0000   |     | 0.0001       |
| Total dissolved solids | mg/L      | G-08D1 | 10/01/2024 |    | 274.0000 |     | 355.2763     |
| Total organic carbon   | mg/L      | G-08D1 | 10/01/2024 |    | 0.8000   |     | 14.0000      |
| Vanadium               | mg/L      | G-08D1 | 10/01/2024 | ND | 0.0130   |     | 0.0430       |
| Zinc                   | mg/L      | G-08D1 | 10/01/2024 | ND | 0.0110   |     | 7.9125       |
| Alkalinity (as caco3)  | mg/L      | G-09S  | 01/14/2025 |    | 360.0000 | *   | 230.0000     |
| Ammonia nitrogen       | mg-N/L    | G-09S  | 01/14/2025 | ND | 0.0050   |     | 8.7410       |
| Antimony               | mg/L      | G-09S  | 01/14/2025 | ND | 0.0001   |     | 0.0009       |
| Arsenic                | mg/L      | G-09S  | 01/14/2025 |    | 0.0008   |     | 0.0048       |
| Barium                 | mg/L      | G-09S  | 01/14/2025 | ND | 0.0050   |     | 0.9195       |
| Beryllium              | mg/L      | G-09S  | 01/14/2025 | ND | 0.0001   |     | 0.0005       |
| Bicarbonate            | mg/L      | G-09S  | 01/14/2025 |    | 360.0000 | *   | 210.0000     |
| Cadmium                | mg/L      | G-09S  | 01/14/2025 | ND | 0.0001   |     | 0.0007       |
| Chemical oxygen demand | mg/L      | G-09S  | 01/14/2025 |    | 11.3000  |     | 18.0000      |
| Chloride               | mg/L      | G-09S  | 01/14/2025 |    | 3.5700   |     | 16.2298      |
| Chromium               | mg/L      | G-09S  | 01/14/2025 | ND | 0.0170   |     | 0.0415       |
| Cobalt, Total          | mg/L      | G-09S  | 01/14/2025 | ND | 0.0020   |     | 0.0070       |
| Conductivity           | umhos/cm  | G-09S  | 01/14/2025 |    | 894.0000 | *** | 500.0000     |
| Copper                 | mg/L      | G-09S  | 01/14/2025 | ND | 0.0100   |     | 21.3465      |
| Dissolved calcium      | mg/L      | G-09S  | 01/14/2025 |    | 76.5000  | *   | 19.3274      |
| Dissolved iron         | mg/L      | G-09S  | 01/14/2025 | ND | 0.0230   |     | 10.0538      |
| Dissolved magnesium    | mg/L      | G-09S  | 01/14/2025 |    | 31.1000  | *   | 5.6654       |
| Dissolved manganese    | mg/L      | G-09S  | 01/14/2025 |    | 0.0230   |     | 0.0294       |
| Dissolved potassium    | mg/L      | G-09S  | 01/14/2025 |    | 5.4200   | *   | 1.5118       |
| Dissolved sodium       | mg/L      | G-09S  | 01/14/2025 |    | 88.5000  | **  | 120.4794     |
| Iron                   | mg/L      | G-09S  | 01/14/2025 |    | 0.6290   |     | 47.6999      |
| Lead                   | mg/L      | G-09S  | 01/14/2025 |    | 0.0007   |     | 0.0039       |
| Manganese              | mg/L      | G-09S  | 01/14/2025 |    | 0.0870   |     | 0.4870       |
| Nickel                 | mg/L      | G-09S  | 01/14/2025 |    | 0.0750   |     | 12.1447      |
| Nitrate nitrogen       | mg-N/L    | G-09S  | 01/14/2025 | ND | 0.0114   |     | 1.3000       |
| Nitrite nitrogen       | mg-N/L    | G-09S  | 01/14/2025 |    | 0.0020   |     | 25.8917      |
| pH                     | std units | G-09S  | 01/14/2025 |    | 5.4700   | *   | 5.48 - 10.60 |
| Selenium               | mg/L      | G-09S  | 01/14/2025 | ND | 0.0007   |     | 0.0023       |
| Silver                 | mg/L      | G-09S  | 01/14/2025 |    | 0.0017   | *   | 0.0006       |

Table 2

## Most Current Downgradient Monitoring Data

| Constituent            | Units     | Well  | Date       |    | Result    |     | Pred. Limit  |
|------------------------|-----------|-------|------------|----|-----------|-----|--------------|
| Sulfate                | mg/L      | G-09S | 01/14/2025 |    | 135.0000  |     | 322.7847     |
| Thallium               | mg/L      | G-09S | 01/14/2025 | ND | 0.0000    |     | 0.0001       |
| Total dissolved solids | mg/L      | G-09S | 01/14/2025 |    | 570.0000  | *** | 355.2763     |
| Total organic carbon   | mg/L      | G-09S | 01/14/2025 |    | 4.3000    |     | 14.0000      |
| Vanadium               | mg/L      | G-09S | 01/14/2025 |    | 0.0550    | *   | 0.0430       |
| Zinc                   | mg/L      | G-09S | 01/14/2025 | ND | 0.0080    |     | 7.9125       |
| Alkalinity (as caco3)  | mg/L      | G-10S | 01/14/2025 |    | 432.0000  | *** | 230.0000     |
| Ammonia nitrogen       | mg-N/L    | G-10S | 01/14/2025 |    | 0.2670    |     | 8.7410       |
| Antimony               | mg/L      | G-10S | 01/14/2025 | ND | 0.0001    |     | 0.0009       |
| Arsenic                | mg/L      | G-10S | 01/14/2025 |    | 0.0050    | *** | 0.0048       |
| Barium                 | mg/L      | G-10S | 01/14/2025 | ND | 0.0050    |     | 0.9195       |
| Beryllium              | mg/L      | G-10S | 01/14/2025 | ND | 0.0001    |     | 0.0005       |
| Bicarbonate            | mg/L      | G-10S | 01/14/2025 |    | 432.0000  | *** | 210.0000     |
| Cadmium                | mg/L      | G-10S | 01/14/2025 | ND | 0.0001    |     | 0.0007       |
| Chemical oxygen demand | mg/L      | G-10S | 01/14/2025 | ND | 2.1100    |     | 18.0000      |
| Chloride               | mg/L      | G-10S | 01/14/2025 |    | 6.8700    |     | 16.2298      |
| Chromium               | mg/L      | G-10S | 01/14/2025 | ND | 0.0170    |     | 0.0415       |
| Cobalt, Total          | mg/L      | G-10S | 01/14/2025 | ND | 0.0020    |     | 0.0070       |
| Conductivity           | umhos/cm  | G-10S | 01/14/2025 |    | 1220.0000 | *   | 500.0000     |
| Copper                 | mg/L      | G-10S | 01/14/2025 | ND | 0.0100    |     | 21.3465      |
| Dissolved calcium      | mg/L      | G-10S | 01/14/2025 |    | 86.8000   | *** | 19.3274      |
| Dissolved iron         | mg/L      | G-10S | 01/14/2025 |    | 7.7200    |     | 10.0538      |
| Dissolved magnesium    | mg/L      | G-10S | 01/14/2025 |    | 21.5000   | *** | 5.6654       |
| Dissolved manganese    | mg/L      | G-10S | 01/14/2025 |    | 2.6300    | *** | 0.0294       |
| Dissolved potassium    | mg/L      | G-10S | 01/14/2025 |    | 3.7900    | *** | 1.5118       |
| Dissolved sodium       | mg/L      | G-10S | 01/14/2025 |    | 161.0000  | *** | 120.4794     |
| Iron                   | mg/L      | G-10S | 01/14/2025 |    | 8.8500    |     | 47.6999      |
| Lead                   | mg/L      | G-10S | 01/14/2025 | ND | 0.0001    |     | 0.0039       |
| Manganese              | mg/L      | G-10S | 01/14/2025 |    | 2.6200    | *** | 0.4870       |
| Nickel                 | mg/L      | G-10S | 01/14/2025 |    | 0.0570    |     | 12.1447      |
| Nitrate nitrogen       | mg-N/L    | G-10S | 01/14/2025 |    | 0.0350    |     | 1.3000       |
| Nitrite nitrogen       | mg-N/L    | G-10S | 01/14/2025 |    | 0.0020    |     | 25.8917      |
| pH                     | std units | G-10S | 01/14/2025 |    | 6.2700    |     | 5.48 - 10.60 |
| Selenium               | mg/L      | G-10S | 01/14/2025 | ND | 0.0007    |     | 0.0023       |
| Silver                 | mg/L      | G-10S | 01/14/2025 | ND | 0.0000    |     | 0.0006       |
| Sulfate                | mg/L      | G-10S | 01/14/2025 |    | 256.0000  |     | 322.7847     |
| Thallium               | mg/L      | G-10S | 01/14/2025 | ND | 0.0000    |     | 0.0001       |
| Total dissolved solids | mg/L      | G-10S | 01/14/2025 |    | 786.0000  | *** | 355.2763     |
| Total organic carbon   | mg/L      | G-10S | 01/14/2025 |    | 3.7000    |     | 14.0000      |
| Vanadium               | mg/L      | G-10S | 01/14/2025 |    | 0.0790    | *   | 0.0430       |
| Zinc                   | mg/L      | G-10S | 01/14/2025 | ND | 0.0080    |     | 7.9125       |
| Alkalinity (as caco3)  | mg/L      | G-11S | 10/02/2024 |    | 81.6000   |     | 230.0000     |
| Ammonia nitrogen       | mg-N/L    | G-11S | 10/02/2024 | ND | 0.0200    |     | 8.7410       |
| Antimony               | mg/L      | G-11S | 10/02/2024 | ND | 0.0002    |     | 0.0009       |
| Arsenic                | mg/L      | G-11S | 10/02/2024 |    | 0.0007    |     | 0.0048       |
| Barium                 | mg/L      | G-11S | 10/02/2024 | ND | 0.0060    |     | 0.9195       |
| Beryllium              | mg/L      | G-11S | 10/02/2024 | ND | 0.0001    |     | 0.0005       |
| Bicarbonate            | mg/L      | G-11S | 10/02/2024 |    | 81.6000   |     | 210.0000     |
| Cadmium                | mg/L      | G-11S | 10/02/2024 | ND | 0.0000    |     | 0.0007       |
| Chemical oxygen demand | mg/L      | G-11S | 10/02/2024 | ND | 2.1100    |     | 18.0000      |
| Chloride               | mg/L      | G-11S | 10/02/2024 |    | 7.6800    |     | 16.2298      |
| Chromium               | mg/L      | G-11S | 10/02/2024 | ND | 0.0150    |     | 0.0415       |
| Cobalt, Total          | mg/L      | G-11S | 10/02/2024 | ND | 0.0040    |     | 0.0070       |
| Conductivity           | umhos/cm  | G-11S | 10/02/2024 |    | 252.0000  |     | 500.0000     |
| Copper                 | mg/L      | G-11S | 10/02/2024 | ND | 0.0070    |     | 21.3465      |
| Dissolved calcium      | mg/L      | G-11S | 10/02/2024 |    | 8.8100    |     | 19.3274      |
| Dissolved iron         | mg/L      | G-11S | 10/02/2024 | ND | 0.0230    |     | 10.0538      |
| Dissolved magnesium    | mg/L      | G-11S | 10/02/2024 |    | 2.0500    |     | 5.6654       |
| Dissolved manganese    | mg/L      | G-11S | 10/02/2024 |    | 0.0870    | *** | 0.0294       |
| Dissolved potassium    | mg/L      | G-11S | 10/02/2024 |    | 0.8840    |     | 1.5118       |
| Dissolved sodium       | mg/L      | G-11S | 10/02/2024 |    | 35.3000   |     | 120.4794     |
| Iron                   | mg/L      | G-11S | 10/02/2024 |    | 0.1810    |     | 47.6999      |
| Lead                   | mg/L      | G-11S | 10/02/2024 |    | 0.0002    |     | 0.0039       |
| Manganese              | mg/L      | G-11S | 10/02/2024 |    | 1.6200    | *   | 0.4870       |
| Nickel                 | mg/L      | G-11S | 10/02/2024 | ND | 0.0080    |     | 12.1447      |
| Nitrate nitrogen       | mg-N/L    | G-11S | 10/02/2024 |    | 0.0330    |     | 1.3000       |
| Nitrite nitrogen       | mg-N/L    | G-11S | 10/02/2024 |    | 0.0020    |     | 25.8917      |

**Table 2****Most Current Downgradient Monitoring Data**

| Constituent            | Units     | Well  | Date       |    | Result   | Pred. Limit  |
|------------------------|-----------|-------|------------|----|----------|--------------|
| pH                     | std units | G-11S | 10/02/2024 |    | 5.9200   | 5.48 - 10.60 |
| Selenium               | mg/L      | G-11S | 10/02/2024 | ND | 0.0007   | 0.0023       |
| Silver                 | mg/L      | G-11S | 10/02/2024 | ND | 0.0002   | 0.0006       |
| Sulfate                | mg/L      | G-11S | 10/02/2024 |    | 30.1000  | 322.7847     |
| Thallium               | mg/L      | G-11S | 10/02/2024 | ND | 0.0000   | 0.0001       |
| Total dissolved solids | mg/L      | G-11S | 10/02/2024 |    | 175.0000 | 355.2763     |
| Total organic carbon   | mg/L      | G-11S | 10/02/2024 |    | 2.3000   | 14.0000      |
| Vanadium               | mg/L      | G-11S | 10/02/2024 | ND | 0.0130   | 0.0430       |
| Zinc                   | mg/L      | G-11S | 10/02/2024 | ND | 0.0110   | 7.9125       |

\* - Current value failed - awaiting verification.

\*\* - Current value passed - previous exceedance not verified.

\*\*\* - Current value failed - exceedance verified.

\*\*\*\* - Current value passed - awaiting one more verification.

\*\*\*\*\* - Insufficient background data to compute prediction limit.

ND = Not Detected, Result = detection limit.



Table 5

## Summary Statistics and Prediction Limits

| Constituent                      | Units     | Detect | N  | Mean     | SD      | alpha  | Factor | Pred Limit   | Type   |     | Conf |
|----------------------------------|-----------|--------|----|----------|---------|--------|--------|--------------|--------|-----|------|
| Alkalinity (as $\text{CaCO}_3$ ) | mg/L      | 55     | 55 |          |         |        |        | 230.0000     | nonpar |     | 0.99 |
| Ammonia nitrogen                 | mg-N/L    | 36     | 55 | -2.4724  | 1.9183  | 0.0100 | 2.4191 | 8.7410       | lognor |     |      |
| Antimony                         | mg/L      | 8      | 52 |          |         |        |        | 0.0009       | nonpar |     | 0.99 |
| Arsenic                          | mg/L      | 51     | 51 | 0.0016   | 0.0013  | 0.0100 | 2.4267 | 0.0048       | normal |     |      |
| Barium                           | mg/L      | 48     | 53 | -3.8198  | 1.5420  | 0.0100 | 2.4227 | 0.9195       | lognor |     |      |
| Beryllium                        | mg/L      | 2      | 53 |          |         |        |        | 0.0005       | nonpar | *** | 0.99 |
| Bicarbonate                      | mg/L      | 55     | 55 |          |         |        |        | 210.0000     | nonpar |     | 0.99 |
| Cadmium                          | mg/L      | 16     | 51 |          |         |        |        | 0.0007       | nonpar |     | 0.99 |
| Chemical oxygen demand           | mg/L      | 4      | 51 |          |         |        |        | 18.0000      | nonpar |     | 0.99 |
| Chloride                         | mg/L      | 55     | 55 | 1.2993   | 0.6149  | 0.0100 | 2.4191 | 16.2298      | lognor |     |      |
| Chromium                         | mg/L      | 35     | 53 | 0.0115   | 0.0124  | 0.0100 | 2.4227 | 0.0415       | normal |     |      |
| Cobalt, Total                    | mg/L      | 5      | 47 |          |         |        |        | 0.0070       | nonpar |     | 0.99 |
| Conductivity                     | umhos/cm  | 54     | 54 |          |         |        |        | 500.0000     | nonpar |     | 0.99 |
| Copper                           | mg/L      | 28     | 53 | -2.2035  | 2.1729  | 0.0100 | 2.4227 | 21.3465      | lognor |     |      |
| Dissolved calcium                | mg/L      | 52     | 52 | 5.8800   | 5.5461  | 0.0100 | 2.4246 | 19.3274      | normal |     |      |
| Dissolved iron                   | mg/L      | 34     | 55 | -1.5089  | 1.5778  | 0.0100 | 2.4191 | 10.0538      | lognor |     |      |
| Dissolved magnesium              | mg/L      | 40     | 54 | 1.5970   | 1.6806  | 0.0100 | 2.4209 | 5.6654       | normal |     |      |
| Dissolved manganese              | mg/L      | 29     | 53 | 0.0067   | 0.0094  | 0.0100 | 2.4227 | 0.0294       | normal |     |      |
| Dissolved potassium              | mg/L      | 39     | 52 | 0.4953   | 0.4192  | 0.0100 | 2.4246 | 1.5118       | normal |     |      |
| Dissolved sodium                 | mg/L      | 55     | 55 | 90.6836  | 12.3171 | 0.0100 | 2.4191 | 120.4794     | normal |     |      |
| Iron                             | mg/L      | 51     | 51 | 0.3263   | 1.4582  | 0.0100 | 2.4267 | 47.6999      | lognor |     |      |
| Lead                             | mg/L      | 47     | 53 |          |         |        |        | 0.0039       | nonpar |     | 0.99 |
| Manganese                        | mg/L      | 51     | 51 |          |         |        |        | 0.4870       | nonpar |     | 0.99 |
| Nickel                           | mg/L      | 33     | 52 | -2.7040  | 2.1450  | 0.0100 | 2.4246 | 12.1447      | lognor |     |      |
| Nitrate nitrogen                 | mg-N/L    | 47     | 55 |          |         |        |        | 1.3000       | nonpar |     | 0.99 |
| Nitrite nitrogen                 | mg-N/L    | 34     | 55 | -3.2345  | 2.6822  | 0.0100 | 2.4191 | 25.8917      | lognor |     |      |
| pH                               | std units | 55     | 55 | 8.0402   | 0.9508  | 0.0100 | 2.6941 | 5.48 - 10.60 | normal |     |      |
| Selenium                         | mg/L      | 5      | 53 |          |         |        |        | 0.0023       | nonpar |     | 0.99 |
| Silver                           | mg/L      | 4      | 53 |          |         |        |        | 0.0006       | nonpar |     | 0.99 |
| Sulfate                          | mg/L      | 54     | 54 | 3.5610   | 0.9154  | 0.0100 | 2.4209 | 322.7847     | lognor |     |      |
| Thallium                         | mg/L      | 12     | 53 |          |         |        |        | 0.0001       | nonpar |     | 0.99 |
| Total dissolved solids           | mg/L      | 55     | 55 | 254.6182 | 41.6104 | 0.0100 | 2.4191 | 355.2763     | normal |     |      |
| Total organic carbon             | mg/L      | 51     | 55 |          |         |        |        | 14.0000      | nonpar |     | 0.99 |
| Vanadium                         | mg/L      | 10     | 52 |          |         |        |        | 0.0430       | nonpar |     | 0.99 |
| Zinc                             | mg/L      | 37     | 53 | -3.0562  | 2.1152  | 0.0100 | 2.4227 | 7.9125       | lognor |     |      |

Conf = confidence level for passing initial test or one of two verification resamples at all downgradient wells for a single constituent (nonparametric test only).

\* - Insufficient Data.

\*\* - Calculated limit raised to Manual Reporting Limit.

\*\*\* - Nonparametric limit based on ND value.

For transformed data, mean and SD in transformed units and prediction limit in original units.

All sample sizes and statistics are based on outlier free data.

For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Groundwater Analytical Summary - Shallow Wells: Second Quarter 2025  
Cathcart Landfill, Snohomish County, WA

|                                                 | Statistical Method | Number of Samples | Number of Detects | Prediction Limit | Primary GW Stds 173-200 | Downgradient Wells |   |   |    |    |        |   |   |    |    |        |     |   |    |    |        |   |   |    |    |        |   |   |    | Upgradient Wells |        |   |   |    |       |        |   |   |     |       |        |   |   |    |    |
|-------------------------------------------------|--------------------|-------------------|-------------------|------------------|-------------------------|--------------------|---|---|----|----|--------|---|---|----|----|--------|-----|---|----|----|--------|---|---|----|----|--------|---|---|----|------------------|--------|---|---|----|-------|--------|---|---|-----|-------|--------|---|---|----|----|
|                                                 |                    |                   |                   |                  |                         | G-01A              |   |   |    |    | G-04A  |   |   |    |    | G-08D1 |     |   |    |    | G-09S  |   |   |    |    | G-10S  |   |   |    |                  | G-11S  |   |   |    |       | G-14S  |   |   |     |       | G-24S  |   |   |    |    |
|                                                 |                    |                   |                   |                  |                         | 4/1/25             | D | V | Tr | Ch | 4/2/25 | D | V | Tr | Ch | 4/1/25 | D   | V | Tr | Ch | 4/2/25 | D | V | Tr | Ch | 4/2/25 | D | V | Tr | Ch               | 4/2/25 | D | V | Tr | Ch    | 4/1/25 | D | V | Tr  | Ch    | 4/1/25 | D | V | Tr | Ch |
| CONVENTIONAL CHEMISTRY PARAMETERS (mg/L)        |                    |                   |                   |                  |                         |                    |   |   |    |    |        |   |   |    |    |        |     |   |    |    |        |   |   |    |    |        |   |   |    |                  |        |   |   |    |       |        |   |   |     |       |        |   |   |    |    |
| Alkalinity (as CaCO3)                           | nonpar             | 55                | 55                | 230              | --                      | 28.4               |   |   |    |    | 259    |   | E |    | Y  | 167    |     |   |    |    | 358    |   | E |    |    | 428    |   | V |    |                  | 72.8   |   |   |    |       | 190    |   |   |     |       | 107    |   |   |    |    |
| Ammonia Nitrogen                                | lognor             | 55                | 36                | 8.7410           | --                      | 0.02               | U |   |    |    | 0.431  |   |   |    |    | 0.116  |     |   |    |    | 0.02   | U |   |    |    | 0.254  |   |   |    |                  | 0.02   | U |   |    |       | 0.02   |   |   |     |       | 0.02   | U |   |    |    |
| Bicarbonate                                     | nonpar             | 55                | 55                | 210              | --                      | 28.4               |   |   |    |    | 259    |   | V |    | Y  | 56.4   |     |   |    |    | 358    |   | E |    |    | 428    |   | V |    |                  | 72.8   |   |   |    |       | 153    |   |   |     |       | 107    |   |   |    |    |
| Calcium, Dissolved                              | normal             | 52                | 52                | 19.3274          | --                      | 11.6               |   |   |    |    | 49.8   |   | V | I  | N  | 0.474  |     |   |    |    | 82.1   |   | E |    |    | 83.4   |   | V | D  | N                | 8.55   |   |   | Y  | 0.505 |        |   | D | Y   | 10.5  |        |   | D | N  |    |
| Chemical Oxygen Demand                          | nonpar             | 51                | 4                 | 18               | --                      | 10                 | U |   |    |    | 25.6   |   | E |    |    | 10     | U   |   |    |    | 10     | U |   |    |    | 10     | U |   |    |                  | 10     | U |   |    |       | 10     | U |   |     |       | 10     | U |   |    |    |
| Chloride                                        | lognor             | 55                | 55                | 16.2298          | 250                     | 2.22               |   |   |    |    | 27.5   |   | V |    |    | 2.97   |     |   | D  | N  | 3.93   |   |   |    |    | 6.33   |   |   | D  | N                | 6.33   |   |   |    |       | 2.31   |   |   | D   | N     | 5.32   |   |   | D  | N  |
| Conductivity (umhos/cm)                         | nonpar             | 54                | 54                | 500              | 700                     | 117                |   |   |    |    | 542    |   | V | I  | N  | 442    |     |   |    |    | 1040   |   | V |    |    | 1180   |   | E |    |                  | 213    |   |   |    |       | 411    |   |   |     |       | 388    |   |   |    |    |
| Magnesium, Dissolved                            | normal             | 54                | 40                | 5.6654           | --                      | 3.25               |   |   |    |    | 30.3   |   | V | I  | N  | 0.05   | U   |   |    |    | 32.6   |   | E |    |    | 20.7   |   | V | D  | N                | 1.95   |   |   | I  | N     | 0.05   | U |   |     |       | 3.33   |   |   |    |    |
| Nitrate Nitrogen (mg-N/L)                       | nonpar             | 55                | 47                | 1.3              | 10                      | 0.047              |   |   |    |    | 0.103  |   |   |    |    | 0.182  |     |   |    |    | 0.02   | U |   |    |    | 0.048  |   |   |    |                  | 0.02   | U |   |    |       | 0.024  |   |   | D   | Y     | 0.094  |   |   |    |    |
| Nitrite Nitrogen (mg-N/L)                       | lognor             | 55                | 34                | 25.8917          | 1                       | 0.002              | U |   |    |    | 0.003  |   |   |    |    | 0.004  |     |   |    |    | 0.004  |   |   |    |    | 0.002  | U |   |    |                  | 0.002  | U |   |    |       | 0.009  |   |   |     |       | 0.002  | U |   |    |    |
| pH (std units)                                  | normal             | 55                | 55                | 5.48-10.60       | 6.5-8.5                 | 5.66               |   | P |    |    | 5.29   |   | E |    |    | 8.78   |     |   |    | Y  | 5.67   |   | P | D  | N  | 6.27   |   |   |    |                  | 5.60   |   |   |    |       | 8.30   |   |   |     |       | 6.06   |   |   |    |    |
| Potassium, Dissolved                            | normal             | 52                | 39                | 1.5118           | --                      | 0.827              |   |   |    |    | 2.42   |   | V | I  | N  | 0.5    | U   |   |    |    | 5.89   |   | E |    |    | 4.07   |   | V |    |                  | 1.1    |   |   |    |       | 0.5    | U |   |     |       | 0.773  |   |   | D  | N  |
| Sodium, Dissolved                               | normal             | 55                | 55                | 120.4794         | 20                      | 5.06               |   |   |    |    | 16.3   |   |   |    | I  | N      | 104 |   |    |    | 100    |   |   |    |    | 172    |   | V |    |                  | 44.9   |   |   | D  | N     | 103    |   |   |     |       | 78.8   |   |   |    |    |
| Sulfate                                         | lognor             | 54                | 54                | 322.7847         | 250                     | 22.3               |   |   |    |    | 32.7   |   |   |    |    | 46.8   |     |   | D  | Y  | 245    |   |   | D  | N  | 255    |   |   | D  | N                | 28.1   |   |   |    | Y     | 14.8   |   |   |     | 73.0  |        |   | D | N  |    |
| Total Dissolved Solids                          | normal             | 55                | 55                | 355.2763         | 500                     | 99                 |   |   |    |    | 401    |   | V |    |    | 304    |     |   |    |    | 728    |   | V |    |    | 800    |   | V | D  | N                | 110    |   |   |    |       | 238    |   |   |     |       | 235    |   |   |    |    |
| Total Organic Carbon                            | nonpar             | 55                | 51                | 14               | --                      | 3.7                |   |   |    |    | 12.4   |   |   |    |    | 0.6    |     |   |    |    | 4.15   |   |   |    |    | 3.27   |   |   |    |                  | 2.05   |   |   |    |       | 1.2    |   |   |     |       | 0.5    | U |   |    |    |
| TOTAL METALS EPA Methods 200.7/200.8 (µg/L)     |                    |                   |                   |                  |                         |                    |   |   |    |    |        |   |   |    |    |        |     |   |    |    |        |   |   |    |    |        |   |   |    |                  |        |   |   |    |       |        |   |   |     |       |        |   |   |    |    |
| Antimony                                        | nonpar             | 52                | 8                 | 0.9              | 6                       | 0.3                | U |   |    |    | 0.3    | U |   |    |    | 0.3    | U   |   |    |    | 0.3    | U |   |    |    | 0.3    | U | V |    |                  | 0.3    | U |   |    |       | 0.3    | U |   |     |       | 0.3    | U |   |    |    |
| Arsenic                                         | normal             | 51                | 51                | 4.8              | 0.05                    | 0.459              |   |   |    |    | 17.03  |   | E |    |    | 1.408  |     |   |    |    | 0.951  |   |   |    |    | 5.706  |   | V |    |                  | 0.821  |   |   |    |       | 4.229  |   |   |     |       | 0.773  |   |   |    |    |
| Barium                                          | lognor             | 53                | 48                | 919.5            | 1000                    | 10                 | U |   |    |    | 10     | U |   |    |    | 34     |     |   |    |    | 10     | U |   |    |    | 10     | U |   |    |                  | 10     | U |   |    |       | 64     |   |   |     | 10    | U      |   |   |    |    |
| Beryllium                                       | nonpar             | 53                | 2                 | 0.5              | 4                       | 0.3                | U |   |    |    | 0.3    | U |   |    |    | 0.3    | U   |   |    |    | 0.3    | U |   |    |    | 0.3    | U |   |    |                  | 0.3    | U |   |    |       | 0.3    | U |   |     |       | 0.3    | U |   |    |    |
| Cadmium                                         | nonpar             | 51                | 16                | 0.7              | 5                       | 0.1                | U |   |    |    | 0.1    | U |   |    |    | 0.1    | U   |   |    |    | 0.1    | U |   |    |    | 0.1    | U |   |    |                  | 0.1    | U |   |    |       | 0.1    | U |   |     |       | 0.1    | U |   |    |    |
| Chromium                                        | normal             | 53                | 35                | 41.5             | 50                      | 20                 | U |   |    |    | 20     | U | P |    |    | 20     | U   |   |    |    | 20     | U |   |    |    | 20     | U |   |    |                  | 20     | U |   |    |       | 21     |   |   |     | 20    | U      |   |   |    |    |
| Cobalt                                          | nonpar             | 47                | 5                 | 7                | --                      | 10                 | U |   |    |    | 16     |   | V |    |    | 10     | U   |   |    |    | 10     | U |   |    |    | 10     | U |   |    |                  | 10     | U |   |    |       | 10     | U |   |     |       | 10     | U |   |    |    |
| Copper                                          | lognor             | 53                | 28                | 21346.5          | 1000                    | 10                 | U |   |    |    | 10     | U |   |    |    | 10     | U   |   |    |    | 10     | U |   |    |    | 10     | U |   |    |                  | 10     | U |   |    |       | 11     |   |   |     | 10    | U      |   |   |    |    |
| Iron                                            | lognor             | 51                | 51                | 47699.9          | 300                     | 30                 | U |   |    |    | 36100  |   |   |    |    | 4910   |     |   |    |    | 448    |   |   |    |    | 9520   |   |   | D  | N                | 186    |   |   |    | 6500  |        |   |   | 462 |       |        |   |   |    |    |
| Lead                                            | nonpar             | 53                | 47                | 3.9              | 50                      | 0.2                | U |   |    |    | 0.2    | U |   |    |    | 0.963  |     |   |    |    | 0.361  |   |   | D  | N  | 0.2    | U | V |    |                  | 0.2    | U |   |    |       | 1.202  |   |   |     | 0.371 |        |   |   |    |    |
| Manganese                                       | normal             | 51                | 51                | 487              | 50                      | 10                 | U |   |    |    | 7830   |   | V | I  | N  | 46     |     |   |    |    | 89     |   |   | D  | N  | 2760   |   | V | D  | N                | 669    |   | E | I  | N     | 121    |   |   |     | 10    | U      |   |   |    |    |
| Nickel                                          | lognor             | 52                | 33                | 12144.7          | 100                     | 10                 | U |   |    |    | 58     |   |   |    |    | 10     | U   |   |    |    | 68     |   |   |    |    | 46     |   |   |    |                  | 55     |   |   |    | 10    | U      |   |   |     | 10    | U      |   |   |    |    |
| Selenium                                        | nonpar             | 53                | 5                 | 2.3              | 10                      | 1                  | U |   |    |    | 1.03   |   |   |    |    | 1      | U   |   |    |    | 1      | U |   |    |    | 1      | U |   |    |                  | 1      | U |   |    |       | 1      | U |   |     |       | 1      | U |   |    |    |
| Silver                                          | nonpar             | 53                | 4                 | 0.6              | 50                      | 0.2                | U |   |    |    | 0.2    | U |   |    |    | 0.326  |     |   |    |    | 0.73   |   | E |    |    | 0.2    | U |   |    |                  | 0.2    | U |   |    |       | 0.2    | U |   |     |       | 0.2    | U |   |    |    |
| Thallium                                        | nonpar             | 53                | 12                | 0.1              | 2                       | 0.1                | U |   |    |    | 0.1    | U |   |    |    | 0.1    | U   |   |    |    | 0.1    | U |   |    |    | 0.1    | U |   |    |                  | 0.1    | U |   |    |       | 0.1    | U |   |     |       | 0.1    | U |   |    |    |
| Vanadium                                        | nonpar             | 52                | 10                | 43               | --                      | 20                 | U |   |    |    | 20     | U |   |    |    | 20     | U   |   |    |    | 20     | U | P |    |    | 20     | U | P |    |                  | 20     | U |   |    |       | 20     | U |   |     |       | 20     | U |   |    |    |
| Zinc                                            | lognor             | 53                | 37                | 7912.5           | 5000                    | 10                 | U |   |    |    | 10     | U |   |    |    | 11     |     |   |    |    | 10     | U |   |    |    | 10     | U |   |    |                  | 10     | U |   |    |       | 15     |   |   |     |       | 10     | U |   |    |    |
| DISSOLVED METALS EPA Methods 200.7/200.8 (µg/L) |                    |                   |                   |                  |                         |                    |   |   |    |    |        |   |   |    |    |        |     |   |    |    |        |   |   |    |    |        |   |   |    |                  |        |   |   |    |       |        |   |   |     |       |        |   |   |    |    |
| Antimony                                        | --                 | --                | --                | --               | 6                       | 0.103              |   |   |    |    | 0.1    | U |   |    |    | 0.1    | U   |   |    |    | 0.1    | U |   |    |    | 0.1    | U |   |    |                  | 0.1    | U |   |    |       | 0.263  |   |   |     |       | 0.149  |   |   |    |    |
| Arsenic                                         | --                 | --                | --                | --               | 0.05                    | 0.151              |   |   |    |    | 13.57  |   |   |    |    | 0.950  |     |   |    |    | 0.868  |   |   |    |    | 4.355  |   |   |    |                  | 0.504  |   |   |    |       | 4.018  |   |   |     |       | 0.591  |   |   |    |    |
| Barium                                          | --                 | --                | --                | --               | 1000                    | 10                 | U |   |    |    | 10     | U |   |    |    | 10     | U   |   |    |    | 10     | U |   |    |    | 10     | U |   |    |                  | 10     | U |   |    |       | 10     | U |   |     |       | 10     | U |   |    |    |
| Beryllium                                       | --                 | --                | --                | --               | 4                       | 0.2                | U |   |    |    | 0.2    | U |   |    |    | 0.2    | U   |   |    |    | 0.2    | U |   |    |    | 0.2    | U |   |    |                  | 0.2    | U |   |    |       | 0.2    | U |   |     |       | 0.2    | U |   |    |    |
| Cadmium                                         | --                 | --                | --                | --               | 5                       | 0.05               | U |   |    |    | 0.05   | U |   |    |    | 0.05   | U   |   |    |    | 0.05   | U |   |    |    | 0.05   | U |   |    |                  | 0.05   | U |   |    |       | 0.05   | U |   |     |       | 0.05   | U |   |    |    |
| Chromium                                        | --                 | --                | --                | --               | 50                      | 20                 | U |   |    |    | 33     |   |   |    |    | 20     | U   |   |    |    | 20     | U |   |    |    | 20     | U |   |    |                  | 57     |   |   |    |       | 20     | U |   |     |       | 20     | U |   |    |    |

Groundwater Analytical Summary - Shallow Wells: Second Quarter 2025  
Cathcart Landfill, Snohomish County, WA

|                                                                  | Statistical Method | Number of Samples | Number of Detects | Prediction Limit | Primary GW Stds 173-200 | Downgradient Wells |   |   |    |    |        |   |   |    |    |        |   |   |    |    |        |   |   | Upgradient Wells |    |        |   |   |    |      |        |   |   |    |      |        |   |   |      |      |        |   |   |    |    |
|------------------------------------------------------------------|--------------------|-------------------|-------------------|------------------|-------------------------|--------------------|---|---|----|----|--------|---|---|----|----|--------|---|---|----|----|--------|---|---|------------------|----|--------|---|---|----|------|--------|---|---|----|------|--------|---|---|------|------|--------|---|---|----|----|
|                                                                  |                    |                   |                   |                  |                         | G-01A              |   |   |    |    | G-04A  |   |   |    |    | G-08D1 |   |   |    |    | G-09S  |   |   |                  |    | G-10S  |   |   |    |      | G-11S  |   |   |    |      | G-14S  |   |   |      |      | G-24S  |   |   |    |    |
|                                                                  |                    |                   |                   |                  |                         | 4/1/25             | D | V | Tr | Ch | 4/2/25 | D | V | Tr | Ch | 4/1/25 | D | V | Tr | Ch | 4/2/25 | D | V | Tr               | Ch | 4/2/25 | D | V | Tr | Ch   | 4/2/25 | D | V | Tr | Ch   | 4/1/25 | D | V | Tr   | Ch   | 4/1/25 | D | V | Tr | Ch |
| VOLATILE ORGANIC COMPOUNDS (VOCs) EPA Method 8260 (µg/L) (cont.) |                    |                   |                   |                  |                         |                    |   |   |    |    |        |   |   |    |    |        |   |   |    |    |        |   |   |                  |    |        |   |   |    |      |        |   |   |    |      |        |   |   |      |      |        |   |   |    |    |
| 1,1-Dichloroethylene                                             | --                 | --                | --                | --               | --                      | 1                  | U |   |    |    | 1      | U |   |    |    | 1      | U |   |    |    | 1      | U |   |                  |    | 1      | U |   |    |      | 1      | U |   |    |      | 1      | U |   |      |      | 1      | U |   |    |    |
| 1,2,3-Trichloropropane                                           | --                 | --                | --                | --               | --                      | 1                  | U |   |    |    | 1      | U |   |    |    | 1      | U |   |    |    | 1      | U |   |                  |    | 1      | U |   |    |      | 1      | U |   |    |      | 1      | U |   |      |      | 1      | U |   |    |    |
| 1,2-Dibromo-3-chloropropane                                      | --                 | --                | --                | --               | 0.2                     | 0.03               | U |   |    |    | 0.03   | U |   |    |    | 0.03   | U |   |    |    | 0.03   | U |   |                  |    | 0.03   | U |   |    |      | 0.03   | U |   |    |      | 0.03   | U |   |      |      | 0.03   | U |   |    |    |
| 1,2-Dibromoethane                                                | --                 | --                | --                | --               | 0.001                   | 0.01               | U |   |    |    | 0.01   | U |   |    |    | 0.01   | U |   |    |    | 0.01   | U |   |                  |    | 0.01   | U |   |    |      | 0.01   | U |   |    |      | 0.01   | U |   |      |      | 0.01   | U |   |    |    |
| 1,2-Dichlorobenzene                                              | --                 | --                | --                | --               | --                      | 1                  | U |   |    |    | 1      | U |   |    |    | 1      | U |   |    |    | 1      | U |   |                  |    | 1      | U |   |    |      | 1      | U |   |    |      | 1      | U |   |      |      | 1      | U |   |    |    |
| 1,2-Dichloroethane                                               | --                 | --                | --                | --               | 0.5                     | 0.03               | U |   |    |    | 0.03   | U |   |    |    | 0.03   | U |   |    |    | 0.03   | U |   |                  |    | 0.03   | U |   |    |      | 0.03   | U |   |    |      | 0.03   | U |   |      |      | 0.03   | U |   |    |    |
| 1,2-Dichloropropane                                              | --                 | --                | --                | --               | 0.6                     | 0.02               | U |   |    |    | 0.02   | U |   |    |    | 0.02   | U |   |    |    | 0.02   | U |   |                  |    | 0.02   | U |   |    |      | 0.02   | U |   |    |      | 0.02   | U |   |      |      | 0.02   | U |   |    |    |
| 1,4-Dichlorobenzene                                              | --                 | --                | --                | --               | 4                       | 1                  | U |   |    |    | 1      | U |   |    |    | 1      | U |   |    |    | 1      | U |   |                  |    | 1      | U |   |    |      | 1      | U |   |    |      | 1      | U |   |      |      | 1      | U |   |    |    |
| 2-Butanone                                                       | --                 | --                | --                | --               | --                      | 5                  | U |   |    |    | 5      | U |   |    |    | 5      | U |   |    |    | 5      | U |   |                  |    | 5      | U |   |    |      | 5      | U |   |    |      | 5      | U |   |      |      | 5      | U |   |    |    |
| 2-Hexanone                                                       | --                 | --                | --                | --               | --                      | 2                  | U |   |    |    | 2      | U |   |    |    | 2      | U |   |    |    | 2      | U |   |                  |    | 2      | U |   |    |      | 2      | U |   |    |      | 2      | U |   |      |      | 2      | U |   |    |    |
| 4-Methyl-2-Pentanone (MIBK)                                      | --                 | --                | --                | --               | --                      | 3                  | U |   |    |    | 3      | U |   |    |    | 3      | U |   |    |    | 3      | U |   |                  |    | 3      | U |   |    |      | 3      | U |   |    |      | 3      | U |   |      |      | 3      | U |   |    |    |
| Acetone                                                          | --                 | --                | --                | --               | --                      | 6.73               |   |   |    |    | 5      | U |   |    |    | 5.16   |   |   |    |    | 7.3    |   |   |                  |    | 8.93   |   |   |    | 14.8 |        |   |   | 5  | U    |        |   |   | 5.28 |      |        |   |   |    |    |
| Acrylonitrile                                                    | --                 | --                | --                | --               | 0.07                    | 0.05               | U |   |    |    | 0.05   | U |   |    |    | 0.05   | U |   |    |    | 0.05   | U |   |                  |    | 0.05   | U |   |    |      | 0.05   | U |   |    |      | 0.05   | U |   |      |      | 0.05   | U |   |    |    |
| Benzene                                                          | --                 | --                | --                | --               | 1                       | 0.1                | U |   |    |    | 0.1    | U |   |    |    | 0.1    | U |   |    |    | 0.1    | U |   |                  |    | 0.1    | U |   |    |      | 0.1    | U |   |    |      | 0.1    | U |   |      |      | 0.1    | U |   |    |    |
| Bromodichloromethane                                             | --                 | --                | --                | --               | 0.3                     | 0.02               | U |   |    |    | 0.02   | U |   |    |    | 0.02   | U |   |    |    | 0.02   | U |   |                  |    | 0.02   | U |   |    |      | 0.02   | U |   |    |      | 0.02   | U |   |      |      | 0.02   | U |   |    |    |
| Bromoform                                                        | --                 | --                | --                | --               | 5                       | 2                  | U |   |    |    | 2      | U |   |    |    | 2      | U |   |    |    | 2      | U |   |                  |    | 2      | U |   |    |      | 2      | U |   |    |      | 2      | U |   |      |      | 2      | U |   |    |    |
| Bromomethane                                                     | --                 | --                | --                | --               | --                      | 2                  | U |   |    |    | 2      | U |   |    |    | 2      | U |   |    |    | 2      | U |   |                  |    | 2      | U |   |    |      | 2      | U |   |    |      | 2      | U |   |      |      | 2      | U |   |    |    |
| Carbon Disulfide                                                 | --                 | --                | --                | --               | --                      | 3                  | U |   |    |    | 3      | U |   |    |    | 3      | U |   |    |    | 3      | U |   |                  |    | 3      | U |   |    |      | 3      | U |   |    |      | 3      | U |   |      |      | 3      | U |   |    |    |
| Carbon Tetrachloride                                             | --                 | --                | --                | --               | 0.3                     | 0.02               | U |   |    |    | 0.02   | U |   |    |    | 0.02   | U |   |    |    | 0.02   | U |   |                  |    | 0.02   | U |   |    |      | 0.02   | U |   |    |      | 0.02   | U |   |      |      | 0.02   | U |   |    |    |
| Chlorobenzene                                                    | --                 | --                | --                | --               | --                      | 0.03               | U |   |    |    | 0.03   | U |   |    |    | 0.03   | U |   |    |    | 0.03   | U |   |                  |    | 0.03   | U |   |    |      | 0.03   | U |   |    |      | 0.03   | U |   |      |      | 0.03   | U |   |    |    |
| Chlorodibromomethane                                             | --                 | --                | --                | --               | 0.5                     | 0.1                | U |   |    |    | 0.1    | U |   |    |    | 0.1    | U |   |    |    | 0.1    | U |   |                  |    | 0.1    | U |   |    |      | 0.1    | U |   |    |      | 0.1    | U |   |      |      | 0.1    | U |   |    |    |
| Chloroethane                                                     | --                 | --                | --                | --               | --                      | 0.02               | U |   |    |    | 0.02   | U |   |    |    | 0.02   | U |   |    |    | 0.02   | U |   |                  |    | 0.02   | U |   |    |      | 0.02   | U |   |    |      | 0.02   | U |   |      |      | 0.02   | U |   |    |    |
| Chloroform                                                       | --                 | --                | --                | --               | 7                       | 1                  | U |   |    |    | 1      | U |   |    |    | 1      | U |   |    |    | 1      | U |   |                  |    | 1      | U |   |    |      | 1      | U |   |    |      | 1      | U |   |      |      | 1      | U |   |    |    |
| Chloromethane                                                    | --                 | --                | --                | --               | --                      | 0.1                | U |   |    |    | 0.1    | U |   |    |    | 0.1    | U |   |    |    | 0.1    | U |   |                  |    | 0.1    | U |   |    |      | 0.1    | U |   |    |      | 0.1    | U |   |      |      | 0.1    | U |   |    |    |
| cis-1,2-Dichloroethene                                           | --                 | --                | --                | --               | --                      | 0.03               | U |   |    |    | 0.03   | U |   |    |    | 0.03   | U |   |    |    | 0.09   |   |   |                  |    | 0.13   |   |   |    | 0.03 | U      |   |   |    | 0.03 | U      |   |   |      | 0.03 | U      |   |   |    |    |
| cis-1,3-Dichloropropene                                          | --                 | --                | --                | --               | 0.2                     | 0.03               | U |   |    |    | 0.03   | U |   |    |    | 0.03   | U |   |    |    | 0.03   | U |   |                  |    | 0.03   | U |   |    |      | 0.03   | U |   |    |      | 0.03   | U |   |      |      | 0.03   | U |   |    |    |
| Dibromomethane                                                   | --                 | --                | --                | --               | --                      | 0.02               | U |   |    |    | 0.02   | U |   |    |    | 0.02   | U |   |    |    | 0.02   | U |   |                  |    | 0.02   | U |   |    |      | 0.02   | U |   |    |      | 0.02   | U |   |      |      | 0.02   | U |   |    |    |
| Ethyl Benzene                                                    | --                 | --                | --                | --               | --                      | 1                  | U |   |    |    | 1      | U |   |    |    | 1      | U |   |    |    | 1      | U |   |                  |    | 1      | U |   |    |      | 1      | U |   |    |      | 1      | U |   |      |      | 1      | U |   |    |    |
| m,p-Xylene                                                       | --                 | --                | --                | --               | --                      | 5                  | U |   |    |    | 5      | U |   |    |    | 5      | U |   |    |    | 5      | U |   |                  |    | 5      | U |   |    |      | 5      | U |   |    |      | 5      | U |   |      |      | 5      | U |   |    |    |
| Methyl Iodide                                                    | --                 | --                | --                | --               | --                      | 3                  | U |   |    |    | 3      | U |   |    |    | 3      | U |   |    |    | 3      | U |   |                  |    | 3      | U |   |    |      | 3      | U |   |    |      | 3      | U |   |      |      | 3      | U |   |    |    |
| Methylene Chloride                                               | --                 | --                | --                | --               | 5                       | 3                  | U |   |    |    | 3      | U |   |    |    | 3      | U |   |    |    | 3      | U |   |                  |    | 3      | U |   |    |      | 3      | U |   |    |      | 3      | U |   |      |      | 3      | U |   |    |    |
| o-Xylene                                                         | --                 | --                | --                | --               | --                      | 1.5                | U |   |    |    | 1.5    | U |   |    |    | 1.5    | U |   |    |    | 1.5    | U |   |                  |    | 1.5    | U |   |    |      | 1.5    | U |   |    |      | 1.5    | U |   |      |      | 1.5    | U |   |    |    |
| Styrene                                                          | --                 | --                | --                | --               | --                      | 2                  | U |   |    |    | 2      | U |   |    |    | 2      | U |   |    |    | 2      | U |   |                  |    | 2      | U |   |    |      | 2      | U |   |    |      | 2      | U |   |      |      | 2      | U |   |    |    |
| Tetrachloroethylene                                              | --                 | --                | --                | --               | 0.8                     | 0.03               | U |   |    |    | 0.03   | U |   |    |    | 0.03   | U |   |    |    | 0.03   | U |   |                  |    | 0.03   | U |   |    |      | 0.03   | U |   |    |      | 0.03   | U |   |      |      | 0.03   | U |   |    |    |
| Toluene                                                          | --                 | --                | --                | --               | --                      | 2                  | U |   |    |    | 2      | U |   |    |    | 2      | U |   |    |    | 2      | U |   |                  |    | 2      | U |   |    |      | 2      | U |   |    |      | 2      | U |   |      |      | 2      | U |   |    |    |
| trans-1,2-Dichloroethene                                         | --                 | --                | --                | --               | --                      | 1                  | U |   |    |    | 1      | U |   |    |    | 1      | U |   |    |    | 1      | U |   |                  |    | 1      | U |   |    |      | 1      | U |   |    |      | 1      | U |   |      |      | 1      | U |   |    |    |
| trans-1,3-Dichloropropene                                        | --                 | --                | --                | --               | 0.2                     | 0.03               | U |   |    |    | 0.03   | U |   |    |    | 0.03   | U |   |    |    | 0.03   | U |   |                  |    | 0.03   | U |   |    |      | 0.03   | U |   |    |      | 0.03   | U |   |      |      | 0.03   | U |   |    |    |
| trans-1,4-Dichloro-2-butene                                      | --                 | --                | --                | --               | --                      | 2                  | U |   |    |    | 2      | U |   |    |    | 2      | U |   |    |    | 2      | U |   |                  |    | 2      | U |   |    |      | 2      | U |   |    |      | 2      | U |   |      |      | 2      | U |   |    |    |
| Trichlorethene (1,1,2-Trichloro                                  | --                 | --                | --                | --               | 3                       | 2                  | U |   |    |    | 2      | U |   |    |    | 2      | U |   |    |    | 2      | U |   |                  |    | 2      | U |   |    |      | 2      | U |   |    |      | 2      | U |   |      |      | 2      | U |   |    |    |
| Trichlorofluoromethane                                           | --                 | --                | --                | --               | --                      | 2                  | U |   |    |    | 2      | U |   |    |    | 2      | U |   |    |    | 2      | U |   |                  |    | 2      | U |   |    |      | 2      | U |   |    |      | 2      | U |   |      |      | 2      | U |   |    |    |
| Vinyl Acetate                                                    | --                 | --                | --                | --               | --                      | 3                  | U |   |    |    | 3      | U |   |    |    | 3      | U |   |    |    | 3      | U |   |                  |    | 3      | U |   |    |      | 3      | U |   |    |      | 3      | U |   |      |      | 3      | U |   |    |    |
| Vinyl Chloride                                                   | --                 | --                | --                | --               | 0.02                    | 0.01               | U |   |    |    | 0.01   | U |   |    |    | 0.01   | U |   |    |    | 0.02   |   |   |                  |    | 0.01   | U |   |    |      | 0.01   | U |   |    |      | 0.01   | U |   |      |      | 0.01   | U |   |    |    |

D: U = Indicates compound was not detected at the given reporting limit; X indicates that the compound was detected in the trip blank and contamination is suspected.  
V: E= Exceedance, waiting verification based on subsequent lab data; V= Exceedance verified based on previous lab data; P=Passed, previous exceedance not verified based on current lab data.  
Tr: I=Increasing Trend, D=Decreasing Trend;  
Ch: Y indicates a change in trend from previous quarter; N means no change in trend.  
Values in purple exceed the prediction limit; indicates that a value exceeded the Groundwater Standards  
The groundwater standards listed are based on the Washington Administrative Code (WAC) 173-200 groundwater limits or WAC 246-290, whichever is more protective of groundwater quality.



Table 2

## Most Current Downgradient Monitoring Data

| Constituent            | Units     | Well  | Date       |    | Result   |     | Pred. Limit  |
|------------------------|-----------|-------|------------|----|----------|-----|--------------|
| Alkalinity (as caco3)  | mg/L      | G-01A | 04/01/2025 |    | 28.4000  |     | 230.0000     |
| Ammonia nitrogen       | mg-N/L    | G-01A | 04/01/2025 | ND | 0.0050   |     | 8.7410       |
| Antimony               | mg/L      | G-01A | 04/01/2025 | ND | 0.0001   |     | 0.0009       |
| Arsenic                | mg/L      | G-01A | 04/01/2025 |    | 0.0005   |     | 0.0048       |
| Barium                 | mg/L      | G-01A | 04/01/2025 | ND | 0.0050   |     | 0.9195       |
| Beryllium              | mg/L      | G-01A | 04/01/2025 | ND | 0.0001   |     | 0.0005       |
| Bicarbonate            | mg/L      | G-01A | 04/01/2025 |    | 28.4000  |     | 210.0000     |
| Cadmium                | mg/L      | G-01A | 04/01/2025 | ND | 0.0001   |     | 0.0007       |
| Chemical oxygen demand | mg/L      | G-01A | 04/01/2025 | ND | 2.1100   |     | 18.0000      |
| Chloride               | mg/L      | G-01A | 04/01/2025 |    | 2.2200   |     | 16.2298      |
| Chromium               | mg/L      | G-01A | 04/01/2025 | ND | 0.0170   |     | 0.0415       |
| Cobalt, Total          | mg/L      | G-01A | 04/01/2025 | ND | 0.0020   |     | 0.0070       |
| Conductivity           | umhos/cm  | G-01A | 04/01/2025 |    | 117.0000 |     | 500.0000     |
| Copper                 | mg/L      | G-01A | 04/01/2025 | ND | 0.0100   |     | 21.3465      |
| Dissolved calcium      | mg/L      | G-01A | 04/01/2025 |    | 11.6000  |     | 19.3274      |
| Dissolved iron         | mg/L      | G-01A | 04/01/2025 | ND | 0.0230   |     | 10.0538      |
| Dissolved magnesium    | mg/L      | G-01A | 04/01/2025 |    | 3.2500   |     | 5.6654       |
| Dissolved manganese    | mg/L      | G-01A | 04/01/2025 | ND | 0.0070   |     | 0.0294       |
| Dissolved potassium    | mg/L      | G-01A | 04/01/2025 |    | 0.8270   |     | 1.5118       |
| Dissolved sodium       | mg/L      | G-01A | 04/01/2025 |    | 5.0600   |     | 120.4794     |
| Iron                   | mg/L      | G-01A | 04/01/2025 | ND | 0.0160   |     | 47.6999      |
| Lead                   | mg/L      | G-01A | 04/01/2025 | ND | 0.0001   |     | 0.0039       |
| Manganese              | mg/L      | G-01A | 04/01/2025 | ND | 0.0100   |     | 0.4870       |
| Nickel                 | mg/L      | G-01A | 04/01/2025 | ND | 0.0040   |     | 12.1447      |
| Nitrate nitrogen       | mg-N/L    | G-01A | 04/01/2025 |    | 0.0470   |     | 1.3000       |
| Nitrite nitrogen       | mg-N/L    | G-01A | 04/01/2025 | ND | 0.0020   |     | 25.8917      |
| pH                     | std units | G-01A | 04/01/2025 |    | 5.6600   | **  | 5.48 - 10.60 |
| Selenium               | mg/L      | G-01A | 04/01/2025 | ND | 0.0007   |     | 0.0023       |
| Silver                 | mg/L      | G-01A | 04/01/2025 | ND | 0.0000   |     | 0.0006       |
| Sulfate                | mg/L      | G-01A | 04/01/2025 |    | 22.3000  |     | 322.7847     |
| Thallium               | mg/L      | G-01A | 04/01/2025 | ND | 0.0000   |     | 0.0001       |
| Total dissolved solids | mg/L      | G-01A | 04/01/2025 |    | 99.0000  |     | 355.2763     |
| Total organic carbon   | mg/L      | G-01A | 04/01/2025 |    | 3.7000   |     | 14.0000      |
| Vanadium               | mg/L      | G-01A | 04/01/2025 | ND | 0.0160   |     | 0.0430       |
| Zinc                   | mg/L      | G-01A | 04/01/2025 | ND | 0.0080   |     | 7.9125       |
| Alkalinity (as caco3)  | mg/L      | G-04A | 04/02/2025 |    | 259.0000 | *   | 230.0000     |
| Ammonia nitrogen       | mg-N/L    | G-04A | 04/02/2025 |    | 0.4310   |     | 8.7410       |
| Antimony               | mg/L      | G-04A | 04/02/2025 | ND | 0.0001   |     | 0.0009       |
| Arsenic                | mg/L      | G-04A | 04/02/2025 |    | 0.0170   | *   | 0.0048       |
| Barium                 | mg/L      | G-04A | 04/02/2025 | ND | 0.0050   |     | 0.9195       |
| Beryllium              | mg/L      | G-04A | 04/02/2025 | ND | 0.0001   |     | 0.0005       |
| Bicarbonate            | mg/L      | G-04A | 04/02/2025 |    | 259.0000 | *** | 210.0000     |
| Cadmium                | mg/L      | G-04A | 04/02/2025 | ND | 0.0001   |     | 0.0007       |
| Chemical oxygen demand | mg/L      | G-04A | 04/02/2025 |    | 25.6000  | *   | 18.0000      |
| Chloride               | mg/L      | G-04A | 04/02/2025 |    | 27.5000  | *** | 16.2298      |
| Chromium               | mg/L      | G-04A | 04/02/2025 | ND | 0.0170   | **  | 0.0415       |
| Cobalt, Total          | mg/L      | G-04A | 04/02/2025 |    | 0.0160   | *** | 0.0070       |
| Conductivity           | umhos/cm  | G-04A | 04/02/2025 |    | 542.0000 | *** | 500.0000     |
| Copper                 | mg/L      | G-04A | 04/02/2025 | ND | 0.0100   |     | 21.3465      |
| Dissolved calcium      | mg/L      | G-04A | 04/02/2025 |    | 49.8000  | *** | 19.3274      |
| Dissolved iron         | mg/L      | G-04A | 04/02/2025 |    | 24.0000  | *   | 10.0538      |
| Dissolved magnesium    | mg/L      | G-04A | 04/02/2025 |    | 30.3000  | *** | 5.6654       |
| Dissolved manganese    | mg/L      | G-04A | 04/02/2025 |    | 7.4000   | *** | 0.0294       |
| Dissolved potassium    | mg/L      | G-04A | 04/02/2025 |    | 2.4200   | *** | 1.5118       |
| Dissolved sodium       | mg/L      | G-04A | 04/02/2025 |    | 16.3000  |     | 120.4794     |
| Iron                   | mg/L      | G-04A | 04/02/2025 |    | 36.1000  |     | 47.6999      |
| Lead                   | mg/L      | G-04A | 04/02/2025 | ND | 0.0001   |     | 0.0039       |
| Manganese              | mg/L      | G-04A | 04/02/2025 |    | 7.8300   | *** | 0.4870       |
| Nickel                 | mg/L      | G-04A | 04/02/2025 |    | 0.0580   |     | 12.1447      |
| Nitrate nitrogen       | mg-N/L    | G-04A | 04/02/2025 |    | 0.1030   |     | 1.3000       |
| Nitrite nitrogen       | mg-N/L    | G-04A | 04/02/2025 |    | 0.0030   |     | 25.8917      |
| pH                     | std units | G-04A | 04/02/2025 |    | 5.2900   | *   | 5.48 - 10.60 |
| Selenium               | mg/L      | G-04A | 04/02/2025 |    | 0.0010   |     | 0.0023       |
| Silver                 | mg/L      | G-04A | 04/02/2025 | ND | 0.0000   |     | 0.0006       |
| Sulfate                | mg/L      | G-04A | 04/02/2025 |    | 32.7000  |     | 322.7847     |
| Thallium               | mg/L      | G-04A | 04/02/2025 | ND | 0.0000   |     | 0.0001       |
| Total dissolved solids | mg/L      | G-04A | 04/02/2025 |    | 401.0000 | *** | 355.2763     |

Table 2

## Most Current Downgradient Monitoring Data

| Constituent            | Units     | Well   | Date       |    | Result    |     | Pred. Limit  |
|------------------------|-----------|--------|------------|----|-----------|-----|--------------|
| Total organic carbon   | mg/L      | G-04A  | 04/02/2025 |    | 12.4000   |     | 14.0000      |
| Vanadium               | mg/L      | G-04A  | 04/02/2025 | ND | 0.0160    |     | 0.0430       |
| Zinc                   | mg/L      | G-04A  | 04/02/2025 | ND | 0.0080    |     | 7.9125       |
| Alkalinity (as caco3)  | mg/L      | G-08D1 | 04/01/2025 |    | 167.0000  |     | 230.0000     |
| Ammonia nitrogen       | mg-N/L    | G-08D1 | 04/01/2025 |    | 0.1160    |     | 8.7410       |
| Antimony               | mg/L      | G-08D1 | 04/01/2025 | ND | 0.0001    |     | 0.0009       |
| Arsenic                | mg/L      | G-08D1 | 04/01/2025 |    | 0.0014    |     | 0.0048       |
| Barium                 | mg/L      | G-08D1 | 04/01/2025 |    | 0.0340    |     | 0.9195       |
| Beryllium              | mg/L      | G-08D1 | 04/01/2025 | ND | 0.0001    |     | 0.0005       |
| Bicarbonate            | mg/L      | G-08D1 | 04/01/2025 |    | 56.4000   |     | 210.0000     |
| Cadmium                | mg/L      | G-08D1 | 04/01/2025 | ND | 0.0001    |     | 0.0007       |
| Chemical oxygen demand | mg/L      | G-08D1 | 04/01/2025 | ND | 2.1100    |     | 18.0000      |
| Chloride               | mg/L      | G-08D1 | 04/01/2025 |    | 2.9700    |     | 16.2298      |
| Chromium               | mg/L      | G-08D1 | 04/01/2025 | ND | 0.0170    |     | 0.0415       |
| Cobalt, Total          | mg/L      | G-08D1 | 04/01/2025 | ND | 0.0020    |     | 0.0070       |
| Conductivity           | umhos/cm  | G-08D1 | 04/01/2025 |    | 442.0000  |     | 500.0000     |
| Copper                 | mg/L      | G-08D1 | 04/01/2025 | ND | 0.0100    |     | 21.3465      |
| Dissolved calcium      | mg/L      | G-08D1 | 04/01/2025 |    | 0.4740    |     | 19.3274      |
| Dissolved iron         | mg/L      | G-08D1 | 04/01/2025 | ND | 0.0230    |     | 10.0538      |
| Dissolved magnesium    | mg/L      | G-08D1 | 04/01/2025 | ND | 0.0040    |     | 5.6654       |
| Dissolved manganese    | mg/L      | G-08D1 | 04/01/2025 | ND | 0.0070    |     | 0.0294       |
| Dissolved potassium    | mg/L      | G-08D1 | 04/01/2025 | ND | 0.0080    |     | 1.5118       |
| Dissolved sodium       | mg/L      | G-08D1 | 04/01/2025 |    | 104.0000  |     | 120.4794     |
| Iron                   | mg/L      | G-08D1 | 04/01/2025 |    | 4.9100    |     | 47.6999      |
| Lead                   | mg/L      | G-08D1 | 04/01/2025 |    | 0.0010    |     | 0.0039       |
| Manganese              | mg/L      | G-08D1 | 04/01/2025 |    | 0.0460    |     | 0.4870       |
| Nickel                 | mg/L      | G-08D1 | 04/01/2025 | ND | 0.0040    |     | 12.1447      |
| Nitrate nitrogen       | mg-N/L    | G-08D1 | 04/01/2025 |    | 0.1820    |     | 1.3000       |
| Nitrite nitrogen       | mg-N/L    | G-08D1 | 04/01/2025 |    | 0.0040    |     | 25.8917      |
| pH                     | std units | G-08D1 | 04/01/2025 |    | 8.7800    |     | 5.48 - 10.60 |
| Selenium               | mg/L      | G-08D1 | 04/01/2025 | ND | 0.0007    |     | 0.0023       |
| Silver                 | mg/L      | G-08D1 | 04/01/2025 |    | 0.0003    |     | 0.0006       |
| Sulfate                | mg/L      | G-08D1 | 04/01/2025 |    | 46.8000   |     | 322.7847     |
| Thallium               | mg/L      | G-08D1 | 04/01/2025 | ND | 0.0000    |     | 0.0001       |
| Total dissolved solids | mg/L      | G-08D1 | 04/01/2025 |    | 304.0000  |     | 355.2763     |
| Total organic carbon   | mg/L      | G-08D1 | 04/01/2025 |    | 0.6000    |     | 14.0000      |
| Vanadium               | mg/L      | G-08D1 | 04/01/2025 | ND | 0.0160    |     | 0.0430       |
| Zinc                   | mg/L      | G-08D1 | 04/01/2025 |    | 0.0110    |     | 7.9125       |
| Alkalinity (as caco3)  | mg/L      | G-09S  | 04/02/2025 |    | 358.0000  | *   | 230.0000     |
| Ammonia nitrogen       | mg-N/L    | G-09S  | 04/02/2025 | ND | 0.0050    |     | 8.7410       |
| Antimony               | mg/L      | G-09S  | 04/02/2025 | ND | 0.0001    |     | 0.0009       |
| Arsenic                | mg/L      | G-09S  | 04/02/2025 |    | 0.0010    |     | 0.0048       |
| Barium                 | mg/L      | G-09S  | 04/02/2025 | ND | 0.0050    |     | 0.9195       |
| Beryllium              | mg/L      | G-09S  | 04/02/2025 | ND | 0.0001    |     | 0.0005       |
| Bicarbonate            | mg/L      | G-09S  | 04/02/2025 |    | 358.0000  | *   | 210.0000     |
| Cadmium                | mg/L      | G-09S  | 04/02/2025 | ND | 0.0001    |     | 0.0007       |
| Chemical oxygen demand | mg/L      | G-09S  | 04/02/2025 | ND | 2.1100    |     | 18.0000      |
| Chloride               | mg/L      | G-09S  | 04/02/2025 |    | 3.9300    |     | 16.2298      |
| Chromium               | mg/L      | G-09S  | 04/02/2025 | ND | 0.0170    |     | 0.0415       |
| Cobalt, Total          | mg/L      | G-09S  | 04/02/2025 | ND | 0.0020    |     | 0.0070       |
| Conductivity           | umhos/cm  | G-09S  | 04/02/2025 |    | 1040.0000 | *** | 500.0000     |
| Copper                 | mg/L      | G-09S  | 04/02/2025 | ND | 0.0100    |     | 21.3465      |
| Dissolved calcium      | mg/L      | G-09S  | 04/02/2025 |    | 82.1000   | *   | 19.3274      |
| Dissolved iron         | mg/L      | G-09S  | 04/02/2025 |    | 0.0660    |     | 10.0538      |
| Dissolved magnesium    | mg/L      | G-09S  | 04/02/2025 |    | 32.6000   | *   | 5.6654       |
| Dissolved manganese    | mg/L      | G-09S  | 04/02/2025 |    | 0.0140    |     | 0.0294       |
| Dissolved potassium    | mg/L      | G-09S  | 04/02/2025 |    | 5.8900    | *   | 1.5118       |
| Dissolved sodium       | mg/L      | G-09S  | 04/02/2025 |    | 100.0000  |     | 120.4794     |
| Iron                   | mg/L      | G-09S  | 04/02/2025 |    | 0.4480    |     | 47.6999      |
| Lead                   | mg/L      | G-09S  | 04/02/2025 |    | 0.0004    |     | 0.0039       |
| Manganese              | mg/L      | G-09S  | 04/02/2025 |    | 0.0890    |     | 0.4870       |
| Nickel                 | mg/L      | G-09S  | 04/02/2025 |    | 0.0680    |     | 12.1447      |
| Nitrate nitrogen       | mg-N/L    | G-09S  | 04/02/2025 | ND | 0.0114    |     | 1.3000       |
| Nitrite nitrogen       | mg-N/L    | G-09S  | 04/02/2025 |    | 0.0040    |     | 25.8917      |
| pH                     | std units | G-09S  | 04/02/2025 |    | 5.6700    | **  | 5.48 - 10.60 |
| Selenium               | mg/L      | G-09S  | 04/02/2025 | ND | 0.0007    |     | 0.0023       |
| Silver                 | mg/L      | G-09S  | 04/02/2025 |    | 0.0007    | *   | 0.0006       |

Table 2

## Most Current Downgradient Monitoring Data

| Constituent            | Units     | Well  | Date       |    | Result    |     | Pred. Limit  |
|------------------------|-----------|-------|------------|----|-----------|-----|--------------|
| Sulfate                | mg/L      | G-09S | 04/02/2025 |    | 245.0000  |     | 322.7847     |
| Thallium               | mg/L      | G-09S | 04/02/2025 | ND | 0.0000    |     | 0.0001       |
| Total dissolved solids | mg/L      | G-09S | 04/02/2025 |    | 728.0000  | *** | 355.2763     |
| Total organic carbon   | mg/L      | G-09S | 04/02/2025 |    | 4.1500    |     | 14.0000      |
| Vanadium               | mg/L      | G-09S | 04/02/2025 | ND | 0.0160    | **  | 0.0430       |
| Zinc                   | mg/L      | G-09S | 04/02/2025 | ND | 0.0080    |     | 7.9125       |
| Alkalinity (as caco3)  | mg/L      | G-10S | 04/02/2025 |    | 428.0000  | *** | 230.0000     |
| Ammonia nitrogen       | mg-N/L    | G-10S | 04/02/2025 |    | 0.2540    |     | 8.7410       |
| Antimony               | mg/L      | G-10S | 04/02/2025 | ND | 0.0001    |     | 0.0009       |
| Arsenic                | mg/L      | G-10S | 04/02/2025 |    | 0.0057    | *** | 0.0048       |
| Barium                 | mg/L      | G-10S | 04/02/2025 | ND | 0.0050    |     | 0.9195       |
| Beryllium              | mg/L      | G-10S | 04/02/2025 | ND | 0.0001    |     | 0.0005       |
| Bicarbonate            | mg/L      | G-10S | 04/02/2025 |    | 428.0000  | *** | 210.0000     |
| Cadmium                | mg/L      | G-10S | 04/02/2025 | ND | 0.0001    |     | 0.0007       |
| Chemical oxygen demand | mg/L      | G-10S | 04/02/2025 | ND | 2.1100    |     | 18.0000      |
| Chloride               | mg/L      | G-10S | 04/02/2025 |    | 6.3300    |     | 16.2298      |
| Chromium               | mg/L      | G-10S | 04/02/2025 | ND | 0.0170    |     | 0.0415       |
| Cobalt, Total          | mg/L      | G-10S | 04/02/2025 | ND | 0.0020    |     | 0.0070       |
| Conductivity           | umhos/cm  | G-10S | 04/02/2025 |    | 1180.0000 | *   | 500.0000     |
| Copper                 | mg/L      | G-10S | 04/02/2025 | ND | 0.0100    |     | 21.3465      |
| Dissolved calcium      | mg/L      | G-10S | 04/02/2025 |    | 83.4000   | *** | 19.3274      |
| Dissolved iron         | mg/L      | G-10S | 04/02/2025 |    | 4.8000    |     | 10.0538      |
| Dissolved magnesium    | mg/L      | G-10S | 04/02/2025 |    | 20.7000   | *** | 5.6654       |
| Dissolved manganese    | mg/L      | G-10S | 04/02/2025 |    | 2.6200    | *** | 0.0294       |
| Dissolved potassium    | mg/L      | G-10S | 04/02/2025 |    | 4.0700    | *** | 1.5118       |
| Dissolved sodium       | mg/L      | G-10S | 04/02/2025 |    | 172.0000  | *** | 120.4794     |
| Iron                   | mg/L      | G-10S | 04/02/2025 |    | 9.5200    |     | 47.6999      |
| Lead                   | mg/L      | G-10S | 04/02/2025 | ND | 0.0001    |     | 0.0039       |
| Manganese              | mg/L      | G-10S | 04/02/2025 |    | 2.7600    | *** | 0.4870       |
| Nickel                 | mg/L      | G-10S | 04/02/2025 |    | 0.0460    |     | 12.1447      |
| Nitrate nitrogen       | mg-N/L    | G-10S | 04/02/2025 |    | 0.0480    |     | 1.3000       |
| Nitrite nitrogen       | mg-N/L    | G-10S | 04/02/2025 | ND | 0.0020    |     | 25.8917      |
| pH                     | std units | G-10S | 04/02/2025 |    | 6.2700    |     | 5.48 - 10.60 |
| Selenium               | mg/L      | G-10S | 04/02/2025 | ND | 0.0007    |     | 0.0023       |
| Silver                 | mg/L      | G-10S | 04/02/2025 | ND | 0.0000    |     | 0.0006       |
| Sulfate                | mg/L      | G-10S | 04/02/2025 |    | 255.0000  |     | 322.7847     |
| Thallium               | mg/L      | G-10S | 04/02/2025 | ND | 0.0000    |     | 0.0001       |
| Total dissolved solids | mg/L      | G-10S | 04/02/2025 |    | 800.0000  | *** | 355.2763     |
| Total organic carbon   | mg/L      | G-10S | 04/02/2025 |    | 3.2700    |     | 14.0000      |
| Vanadium               | mg/L      | G-10S | 04/02/2025 | ND | 0.0160    | **  | 0.0430       |
| Zinc                   | mg/L      | G-10S | 04/02/2025 | ND | 0.0080    |     | 7.9125       |
| Alkalinity (as caco3)  | mg/L      | G-11S | 04/02/2025 |    | 72.8000   |     | 230.0000     |
| Ammonia nitrogen       | mg-N/L    | G-11S | 04/02/2025 | ND | 0.0050    |     | 8.7410       |
| Antimony               | mg/L      | G-11S | 04/02/2025 | ND | 0.0001    |     | 0.0009       |
| Arsenic                | mg/L      | G-11S | 04/02/2025 |    | 0.0008    |     | 0.0048       |
| Barium                 | mg/L      | G-11S | 04/02/2025 | ND | 0.0050    |     | 0.9195       |
| Beryllium              | mg/L      | G-11S | 04/02/2025 | ND | 0.0001    |     | 0.0005       |
| Bicarbonate            | mg/L      | G-11S | 04/02/2025 |    | 72.8000   |     | 210.0000     |
| Cadmium                | mg/L      | G-11S | 04/02/2025 | ND | 0.0001    |     | 0.0007       |
| Chemical oxygen demand | mg/L      | G-11S | 04/02/2025 | ND | 2.1100    |     | 18.0000      |
| Chloride               | mg/L      | G-11S | 04/02/2025 |    | 6.3300    |     | 16.2298      |
| Chromium               | mg/L      | G-11S | 04/02/2025 | ND | 0.0170    |     | 0.0415       |
| Cobalt, Total          | mg/L      | G-11S | 04/02/2025 | ND | 0.0020    |     | 0.0070       |
| Conductivity           | umhos/cm  | G-11S | 04/02/2025 |    | 213.0000  |     | 500.0000     |
| Copper                 | mg/L      | G-11S | 04/02/2025 | ND | 0.0100    |     | 21.3465      |
| Dissolved calcium      | mg/L      | G-11S | 04/02/2025 |    | 8.5500    |     | 19.3274      |
| Dissolved iron         | mg/L      | G-11S | 04/02/2025 | ND | 0.0230    |     | 10.0538      |
| Dissolved magnesium    | mg/L      | G-11S | 04/02/2025 |    | 1.9500    |     | 5.6654       |
| Dissolved manganese    | mg/L      | G-11S | 04/02/2025 |    | 0.1230    | *** | 0.0294       |
| Dissolved potassium    | mg/L      | G-11S | 04/02/2025 |    | 1.1000    |     | 1.5118       |
| Dissolved sodium       | mg/L      | G-11S | 04/02/2025 |    | 44.9000   |     | 120.4794     |
| Iron                   | mg/L      | G-11S | 04/02/2025 |    | 0.1860    |     | 47.6999      |
| Lead                   | mg/L      | G-11S | 04/02/2025 | ND | 0.0001    |     | 0.0039       |
| Manganese              | mg/L      | G-11S | 04/02/2025 |    | 0.6690    | *   | 0.4870       |
| Nickel                 | mg/L      | G-11S | 04/02/2025 |    | 0.0550    |     | 12.1447      |
| Nitrate nitrogen       | mg-N/L    | G-11S | 04/02/2025 | ND | 0.0114    |     | 1.3000       |
| Nitrite nitrogen       | mg-N/L    | G-11S | 04/02/2025 | ND | 0.0020    |     | 25.8917      |



**Table 2****Most Current Downgradient Monitoring Data**

| Constituent            | Units     | Well  | Date       |    | Result   | Pred. Limit  |
|------------------------|-----------|-------|------------|----|----------|--------------|
| pH                     | std units | G-11S | 04/02/2025 |    | 5.6000   | 5.48 - 10.60 |
| Selenium               | mg/L      | G-11S | 04/02/2025 | ND | 0.0007   | 0.0023       |
| Silver                 | mg/L      | G-11S | 04/02/2025 | ND | 0.0000   | 0.0006       |
| Sulfate                | mg/L      | G-11S | 04/02/2025 |    | 28.1000  | 322.7847     |
| Thallium               | mg/L      | G-11S | 04/02/2025 | ND | 0.0000   | 0.0001       |
| Total dissolved solids | mg/L      | G-11S | 04/02/2025 |    | 110.0000 | 355.2763     |
| Total organic carbon   | mg/L      | G-11S | 04/02/2025 |    | 2.0500   | 14.0000      |
| Vanadium               | mg/L      | G-11S | 04/02/2025 | ND | 0.0160   | 0.0430       |
| Zinc                   | mg/L      | G-11S | 04/02/2025 | ND | 0.0080   | 7.9125       |

\* - Current value failed - awaiting verification.

\*\* - Current value passed - previous exceedance not verified.

\*\*\* - Current value failed - exceedance verified.

\*\*\*\* - Current value passed - awaiting one more verification.

\*\*\*\*\* - Insufficient background data to compute prediction limit.

ND = Not Detected, Result = detection limit.

Table 5

## Summary Statistics and Prediction Limits

| Constituent                      | Units     | Detect | N  | Mean     | SD      | alpha  | Factor | Pred Limit   | Type   |     | Conf |
|----------------------------------|-----------|--------|----|----------|---------|--------|--------|--------------|--------|-----|------|
| Alkalinity (as $\text{CaCO}_3$ ) | mg/L      | 55     | 55 |          |         |        |        | 230.0000     | nonpar |     | 0.99 |
| Ammonia nitrogen                 | mg-N/L    | 36     | 55 | -2.4724  | 1.9183  | 0.0100 | 2.4191 | 8.7410       | lognor |     |      |
| Antimony                         | mg/L      | 8      | 52 |          |         |        |        | 0.0009       | nonpar |     | 0.99 |
| Arsenic                          | mg/L      | 51     | 51 | 0.0016   | 0.0013  | 0.0100 | 2.4267 | 0.0048       | normal |     |      |
| Barium                           | mg/L      | 48     | 53 | -3.8198  | 1.5420  | 0.0100 | 2.4227 | 0.9195       | lognor |     |      |
| Beryllium                        | mg/L      | 2      | 53 |          |         |        |        | 0.0005       | nonpar | *** | 0.99 |
| Bicarbonate                      | mg/L      | 55     | 55 |          |         |        |        | 210.0000     | nonpar |     | 0.99 |
| Cadmium                          | mg/L      | 16     | 51 |          |         |        |        | 0.0007       | nonpar |     | 0.99 |
| Chemical oxygen demand           | mg/L      | 4      | 51 |          |         |        |        | 18.0000      | nonpar |     | 0.99 |
| Chloride                         | mg/L      | 55     | 55 | 1.2993   | 0.6149  | 0.0100 | 2.4191 | 16.2298      | lognor |     |      |
| Chromium                         | mg/L      | 35     | 53 | 0.0115   | 0.0124  | 0.0100 | 2.4227 | 0.0415       | normal |     |      |
| Cobalt, Total                    | mg/L      | 5      | 47 |          |         |        |        | 0.0070       | nonpar |     | 0.99 |
| Conductivity                     | umhos/cm  | 54     | 54 |          |         |        |        | 500.0000     | nonpar |     | 0.99 |
| Copper                           | mg/L      | 28     | 53 | -2.2035  | 2.1729  | 0.0100 | 2.4227 | 21.3465      | lognor |     |      |
| Dissolved calcium                | mg/L      | 52     | 52 | 5.8800   | 5.5461  | 0.0100 | 2.4246 | 19.3274      | normal |     |      |
| Dissolved iron                   | mg/L      | 34     | 55 | -1.5089  | 1.5778  | 0.0100 | 2.4191 | 10.0538      | lognor |     |      |
| Dissolved magnesium              | mg/L      | 40     | 54 | 1.5970   | 1.6806  | 0.0100 | 2.4209 | 5.6654       | normal |     |      |
| Dissolved manganese              | mg/L      | 29     | 53 | 0.0067   | 0.0094  | 0.0100 | 2.4227 | 0.0294       | normal |     |      |
| Dissolved potassium              | mg/L      | 39     | 52 | 0.4953   | 0.4192  | 0.0100 | 2.4246 | 1.5118       | normal |     |      |
| Dissolved sodium                 | mg/L      | 55     | 55 | 90.6836  | 12.3171 | 0.0100 | 2.4191 | 120.4794     | normal |     |      |
| Iron                             | mg/L      | 51     | 51 | 0.3263   | 1.4582  | 0.0100 | 2.4267 | 47.6999      | lognor |     |      |
| Lead                             | mg/L      | 47     | 53 |          |         |        |        | 0.0039       | nonpar |     | 0.99 |
| Manganese                        | mg/L      | 51     | 51 |          |         |        |        | 0.4870       | nonpar |     | 0.99 |
| Nickel                           | mg/L      | 33     | 52 | -2.7040  | 2.1450  | 0.0100 | 2.4246 | 12.1447      | lognor |     |      |
| Nitrate nitrogen                 | mg-N/L    | 47     | 55 |          |         |        |        | 1.3000       | nonpar |     | 0.99 |
| Nitrite nitrogen                 | mg-N/L    | 34     | 55 | -3.2345  | 2.6822  | 0.0100 | 2.4191 | 25.8917      | lognor |     |      |
| pH                               | std units | 55     | 55 | 8.0402   | 0.9508  | 0.0100 | 2.6941 | 5.48 - 10.60 | normal |     |      |
| Selenium                         | mg/L      | 5      | 53 |          |         |        |        | 0.0023       | nonpar |     | 0.99 |
| Silver                           | mg/L      | 4      | 53 |          |         |        |        | 0.0006       | nonpar |     | 0.99 |
| Sulfate                          | mg/L      | 54     | 54 | 3.5610   | 0.9154  | 0.0100 | 2.4209 | 322.7847     | lognor |     |      |
| Thallium                         | mg/L      | 12     | 53 |          |         |        |        | 0.0001       | nonpar |     | 0.99 |
| Total dissolved solids           | mg/L      | 55     | 55 | 254.6182 | 41.6104 | 0.0100 | 2.4191 | 355.2763     | normal |     |      |
| Total organic carbon             | mg/L      | 51     | 55 |          |         |        |        | 14.0000      | nonpar |     | 0.99 |
| Vanadium                         | mg/L      | 10     | 52 |          |         |        |        | 0.0430       | nonpar |     | 0.99 |
| Zinc                             | mg/L      | 37     | 53 | -3.0562  | 2.1152  | 0.0100 | 2.4227 | 7.9125       | lognor |     |      |

Conf = confidence level for passing initial test or one of two verification resamples at all downgradient wells for a single constituent (nonparametric test only).

\* - Insufficient Data.

\*\* - Calculated limit raised to Manual Reporting Limit.

\*\*\* - Nonparametric limit based on ND value.

For transformed data, mean and SD in transformed units and prediction limit in original units.

All sample sizes and statistics are based on outlier free data.

For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

**Groundwater Analytical Summary - Shallow Wells: Third Quarter 2025**  
**Cathcart Landfill, Snohomish County, WA**

|                                                                   | Statistical Method | Number of Samples | Number of Detects | Prediction Limit | Primary GW Stds 173-200 | G-09S                                    |   |   |    |    | G-10S   |   |   |    |    |
|-------------------------------------------------------------------|--------------------|-------------------|-------------------|------------------|-------------------------|------------------------------------------|---|---|----|----|---------|---|---|----|----|
|                                                                   |                    |                   |                   |                  |                         | 7/22/25                                  | D | V | Tr | Ch | 7/22/25 | D | V | Tr | Ch |
|                                                                   |                    |                   |                   |                  |                         | CONVENTIONAL CHEMISTRY PARAMETERS (mg/L) |   |   |    |    |         |   |   |    |    |
| Alkalinity (as CaCO3)                                             | nonpar             | 58                | 58                | 230              | --                      | 363                                      |   | V |    |    | 384     |   | V |    |    |
| Ammonia Nitrogen                                                  | lognor             | 58                | 40                | 8.7410           | --                      | 0.02                                     | U |   |    |    | 0.245   |   |   |    |    |
| Bicarbonate                                                       | nonpar             | 58                | 58                | 210              | --                      | 363                                      |   | V |    |    | 384     |   | V |    |    |
| Calcium, Dissolved                                                | normal             | 54                | 54                | 19.3274          | --                      | 86.0                                     |   | V |    |    | 87.3    |   | V | D  | N  |
| Chemical Oxygen Demand                                            | nonpar             | 58                | 7                 | 18               | --                      | 41.4                                     |   | E |    |    | 10      | U |   |    |    |
| Chloride                                                          | lognor             | 58                | 58                | 16.2298          | 250                     | 3.97                                     |   |   |    |    | 6.25    |   |   | D  | N  |
| Conductivity (umhos/cm)                                           | nonpar             | 57                | 57                | 500              | 700                     | 1010                                     |   | V |    |    | 1220    |   | V |    |    |
| Magnesium, Dissolved                                              | lognor             | 57                | 44                | 5.6654           | --                      | 31.3                                     |   | V |    |    | 20.3    |   |   | D  | N  |
| Nitrate Nitrogen (mg-N/L)                                         | nonpar             | 58                | 50                | 1.3              | 10                      | 0.02                                     | U |   |    |    | 0.0324  |   |   |    |    |
| Nitrite Nitrogen (mg-N/L)                                         | lognor             | 56                | 32                | 25.8917          | 1                       | 0.007                                    |   |   |    |    | 0.003   |   |   |    |    |
| pH (std units)                                                    | nonpar             | 59                | 59                | 5.48-10.60       | 6.5-8.5                 | 5.67                                     |   | V | D  | N  | 6.25    |   |   |    |    |
| Potassium, Dissolved                                              | normal             | 56                | 44                | 1.5118           | --                      | 5.48                                     |   | V |    |    | 3.55    |   | V |    |    |
| Sodium, Dissolved                                                 | nonpar             | 58                | 58                | 120.4794         | 20                      | 100                                      |   |   |    |    | 170     |   | V |    |    |
| Sulfate                                                           | nonpar             | 57                | 57                | 322.7847         | 250                     | 176                                      |   |   | D  | N  | 234     |   |   | D  | N  |
| Total Dissolved Solids                                            | nonpar             | 58                | 58                | 355.2763         | 500                     | 665                                      |   | V |    |    | 803     |   | V | D  | N  |
| Total Organic Carbon                                              | nonpar             | 58                | 53                | 14               | --                      | 4.91                                     |   |   |    |    | 3.86    |   |   |    |    |
| TOTAL METALS EPA Methods 200.7/200.8 (µg/L)                       |                    |                   |                   |                  |                         |                                          |   |   |    |    |         |   |   |    |    |
| Antimony                                                          | nonpar             | 50                | 7                 | 0.9              | 6                       | 0.3                                      | U |   |    |    | 0.3     | U |   |    |    |
| Arsenic                                                           | normal             | 49                | 49                | 4.8              | 0.05                    | 1.037                                    |   |   |    |    | 7.042   |   | V |    |    |
| Barium                                                            | lognor             | 51                | 47                | 919.5            | 1000                    | 10                                       | U |   |    |    | 10      | U |   |    |    |
| Beryllium                                                         | nonpar             | 51                | 2                 | 0.5              | 4                       | 0.3                                      | U |   |    |    | 0.3     | U |   |    |    |
| Cadmium                                                           | nonpar             | 49                | 16                | 0.7              | 5                       | 0.1                                      | U |   |    |    | 0.1     | U |   |    |    |
| Chromium                                                          | lognor             | 51                | 33                | 41.5             | 50                      | 20                                       | U |   |    |    | 20      | U |   |    |    |
| Cobalt                                                            | nonpar             | 45                | 5                 | 7                | --                      | 10                                       | U |   |    |    | 10      | U |   |    |    |
| Copper                                                            | lognor             | 51                | 28                | 21346.5          | 1000                    | 10                                       | U |   |    |    | 10      | U |   |    |    |
| Iron                                                              | lognor             | 58                | 37                | 47699.9          | 300                     | 540                                      |   |   |    |    | 9800    |   |   | D  | N  |
| Lead                                                              | nonpar             | 58                | 21                | 3.9              | 50                      | 0.571                                    |   |   | D  | N  | 0.2     | U |   |    |    |
| Manganese                                                         | nonpar             | 58                | 35                | 487              | 50                      | 105                                      |   |   | D  | N  | 2690    |   | V | D  | N  |
| Nickel                                                            | lognor             | 58                | 16                | 12144.7          | 100                     | 10                                       | U |   |    |    | 10      | U |   |    |    |
| Selenium                                                          | nonpar             | 54                | 2                 | 2.3              | 10                      | 1                                        | U |   |    |    | 1       | U |   |    |    |
| Silver                                                            | nonpar             | 58                | 2                 | 0.6              | 50                      | 1.056                                    |   | V |    |    | 0.2     | U |   |    |    |
| Thallium                                                          | nonpar             | 58                | 3                 | 0.1              | 2                       | 0.1                                      | U |   |    |    | 0.1     | U |   |    |    |
| Vanadium                                                          | nonpar             | 58                | 2                 | 43               | --                      | 20                                       | U |   |    |    | 20      | U |   |    |    |
| Zinc                                                              | lognor             | 51                | 36                | 7912.5           | 5000                    | 10                                       | U |   |    |    | 10      | U |   |    |    |
| DISSOLVED METALS EPA Methods 200.7/200.8 (µg/L)                   |                    |                   |                   |                  |                         |                                          |   |   |    |    |         |   |   |    |    |
| Antimony                                                          | --                 | --                | --                | --               | 6                       | 0.1                                      | U |   |    |    | 0.1     | U |   |    |    |
| Arsenic                                                           | --                 | --                | --                | --               | 0.05                    | 0.866                                    |   |   |    |    | 2.864   |   |   |    |    |
| Barium                                                            | --                 | --                | --                | --               | 1000                    | 10                                       | U |   |    |    | 10      | U |   |    |    |
| Beryllium                                                         | --                 | --                | --                | --               | 4                       | 0.2                                      | U |   |    |    | 0.2     | U |   |    |    |
| Cadmium                                                           | --                 | --                | --                | --               | 5                       | 0.05                                     | U |   |    |    | 0.05    | U |   |    |    |
| Chromium                                                          | --                 | --                | --                | --               | 50                      | 20                                       | U |   |    |    | 20      | U |   |    |    |
| Cobalt                                                            | --                 | --                | --                | --               | --                      | 10                                       | U |   |    |    | 10      | U |   |    |    |
| Copper                                                            | --                 | --                | --                | --               | 1000                    | 20                                       | U |   |    |    | 20      | U |   |    |    |
| Iron                                                              | lognor             | 58                | 37                | 10053.8          | 300                     | 30                                       | U |   |    |    | 459     |   | P | D  | N  |
| Lead                                                              | --                 | --                | --                | --               | 50                      | 0.2                                      | U |   |    |    | 0.2     | U |   |    |    |
| Manganese                                                         | lognor             | 58                | 35                | 29.4             | 50                      | 20                                       |   |   | D  | N  | 2680    |   |   | D  | N  |
| Nickel                                                            | --                 | --                | --                | --               | 100                     | 10                                       | U |   |    |    | 10      | U |   |    |    |
| Selenium                                                          | --                 | --                | --                | --               | 10                      | 1.375                                    |   |   |    |    | 0.5     | U |   |    |    |
| Silver                                                            | --                 | --                | --                | --               | 50                      | 0.2                                      | U |   |    |    | 0.2     | U |   |    |    |
| Thallium                                                          | --                 | --                | --                | --               | 2                       | 0.05                                     | U |   |    |    | 0.05    | U |   |    |    |
| Vanadium                                                          | --                 | --                | --                | --               | --                      | 20                                       | U |   |    |    | 20      | U |   |    |    |
| Zinc                                                              | --                 | --                | --                | --               | 5000                    | 20                                       | U |   |    |    | 20      | U |   |    |    |
| VOLATILE ORGANIC COMPOUNDS (VOCs) EPA Method 8260/8260 SIM (µg/L) |                    |                   |                   |                  |                         |                                          |   |   |    |    |         |   |   |    |    |
| 1,1,1-Trichloroethane                                             | --                 | --                | --                | --               | 200                     | 1                                        | U |   |    |    | 1       | U |   |    |    |
| 1,1,2,2-Tetrachloroethane                                         | --                 | --                | --                | --               | --                      | 1                                        | U |   |    |    | 1       | U |   |    |    |
| 1,1,2-Trichloroethane                                             | --                 | --                | --                | --               | --                      | 2                                        | U |   |    |    | 2       | U |   |    |    |
| 1,1-Dichloroethane                                                | --                 | --                | --                | --               | 1                       | 1                                        | U |   |    |    | 1       | U |   |    |    |
| 1,1-Dichloroethylene                                              | --                 | --                | --                | --               | --                      | 1                                        | U |   |    |    | 1       | U |   |    |    |
| 1,2,3-Trichloropropane                                            | --                 | --                | --                | --               | --                      | 1                                        | U |   |    |    | 1       | U |   |    |    |
| 1,2-Dibromo-3-chloropropane                                       | --                 | --                | --                | --               | 0.2                     | 0.03                                     | U |   |    |    | 0.03    | U |   |    |    |
| 1,2-Dibromoethane                                                 | --                 | --                | --                | --               | 0.001                   | 0.01                                     | U |   |    |    | 0.01    | U |   |    |    |
| 1,2-Dichlorobenzene                                               | --                 | --                | --                | --               | --                      | 1                                        | U |   |    |    | 1       | U |   |    |    |

**Groundwater Analytical Summary - Shallow Wells: Third Quarter 2025**  
**Cathcart Landfill, Snohomish County, WA**

|                                                                           | Statistical Method | Number of Samples | Number of Detects | Prediction Limit | Primary GW Stds 173-200 |         |   |   |    |    |         |      |   |    |    |
|---------------------------------------------------------------------------|--------------------|-------------------|-------------------|------------------|-------------------------|---------|---|---|----|----|---------|------|---|----|----|
|                                                                           |                    |                   |                   |                  |                         | G-09S   |   |   |    |    | G-10S   |      |   |    |    |
|                                                                           |                    |                   |                   |                  |                         | 7/22/25 | D | V | Tr | Ch | 7/22/25 | D    | V | Tr | Ch |
| VOLATILE ORGANIC COMPOUNDS (VOCs) EPA Method 8260/8260 SIM (µg/L) (cont.) |                    |                   |                   |                  |                         |         |   |   |    |    |         |      |   |    |    |
| 1,2-Dichloroethane                                                        | --                 | --                | --                | --               | 0.5                     | 0.03    | U |   |    |    |         | 0.03 | U |    |    |
| 1,2-Dichloropropane                                                       | --                 | --                | --                | --               | 0.6                     | 0.02    | U |   |    |    |         | 0.02 | U |    |    |
| 1,4-Dichlorobenzene                                                       | --                 | --                | --                | --               | 4                       | 1       | U |   |    |    |         | 1    | U |    |    |
| 2-Butanone                                                                | --                 | --                | --                | --               | --                      | 5       | U |   |    |    |         | 5    | U |    |    |
| 2-Hexanone                                                                | --                 | --                | --                | --               | --                      | 2       | U |   |    |    |         | 2    | U |    |    |
| 4-Methyl-2-Pentanone (MIBK)                                               | --                 | --                | --                | --               | --                      | 3       | U |   |    |    |         | 3    | U |    |    |
| Acetone                                                                   | --                 | --                | --                | --               | --                      | 8.7     | X |   |    |    |         | 13.6 | X |    |    |
| Acrylonitrile                                                             | --                 | --                | --                | --               | 0.07                    | 0.05    | U |   |    |    |         | 0.05 | U |    |    |
| Benzene                                                                   | --                 | --                | --                | --               | 1                       | 0.1     | U |   |    |    |         | 0.1  | U |    |    |
| Bromodichloromethane                                                      | --                 | --                | --                | --               | 0.3                     | 0.02    | U |   |    |    |         | 0.02 | U |    |    |
| Bromoform                                                                 | --                 | --                | --                | --               | 5                       | 2       | U |   |    |    |         | 2    | U |    |    |
| Bromomethane                                                              | --                 | --                | --                | --               | --                      | 2       | U |   |    |    |         | 2    | U |    |    |
| Carbon Disulfide                                                          | --                 | --                | --                | --               | --                      | 3       | U |   |    |    |         | 3    | U |    |    |
| Carbon Tetrachloride                                                      | --                 | --                | --                | --               | 0.3                     | 0.02    | U |   |    |    |         | 0.02 | U |    |    |
| Chlorobenzene                                                             | --                 | --                | --                | --               | --                      | 0.03    | U |   |    |    |         | 0.03 | U |    |    |
| Chlorodibromomethane                                                      | --                 | --                | --                | --               | 0.5                     | 0.1     | U |   |    |    |         | 0.1  | U |    |    |
| Chloroethane                                                              | --                 | --                | --                | --               | --                      | 0.02    | U |   |    |    |         | 0.02 | U |    |    |
| Chloroform                                                                | --                 | --                | --                | --               | 7                       | 1       | U |   |    |    |         | 1    | U |    |    |
| Chloromethane                                                             | --                 | --                | --                | --               | --                      | 0.1     | U |   |    |    |         | 0.1  | U |    |    |
| cis-1,2-Dichloroethene                                                    | --                 | --                | --                | --               | --                      | 0.12    |   |   |    |    |         | 0.15 |   |    |    |
| cis-1,3-Dichloropropene                                                   | --                 | --                | --                | --               | 0.2                     | 0.03    | U |   |    |    |         | 0.03 | U |    |    |
| Dibromomethane                                                            | --                 | --                | --                | --               | --                      | 0.02    | U |   |    |    |         | 0.02 | U |    |    |
| Ethyl Benzene                                                             | --                 | --                | --                | --               | --                      | 1       | U |   |    |    |         | 1    | U |    |    |
| m,p-Xylene                                                                | --                 | --                | --                | --               | --                      | 5       | U |   |    |    |         | 5    | U |    |    |
| Methyl Iodide                                                             | --                 | --                | --                | --               | --                      | 7.21    |   |   |    |    |         | 5.77 |   |    |    |
| Methylene Chloride                                                        | --                 | --                | --                | --               | 5                       | 3       | U |   |    |    |         | 3    | U |    |    |
| o-Xylene                                                                  | --                 | --                | --                | --               | --                      | 1.5     | U |   |    |    |         | 1.5  | U |    |    |
| Styrene                                                                   | --                 | --                | --                | --               | --                      | 2       | U |   |    |    |         | 2    | U |    |    |
| Tetrachloroethylene                                                       | --                 | --                | --                | --               | 0.8                     | 0.03    | U |   |    |    |         | 0.03 | U |    |    |
| Toluene                                                                   | --                 | --                | --                | --               | --                      | 2       | U |   |    |    |         | 2    | U |    |    |
| trans-1,2-Dichloroethene                                                  | --                 | --                | --                | --               | --                      | 1       | U |   |    |    |         | 1    | U |    |    |
| trans-1,3-Dichloropropene                                                 | --                 | --                | --                | --               | 0.2                     | 0.03    | U |   |    |    |         | 0.03 | U |    |    |
| trans-1,4-Dichloro-2-butene                                               | --                 | --                | --                | --               | --                      | 2       | U |   |    |    |         | 2    | U |    |    |
| Trichlorethene (1,1,2-Trichloroet                                         | --                 | --                | --                | --               | 3                       | 2       | U |   |    |    |         | 2    | U |    |    |
| Trichlorofluoromethane                                                    | --                 | --                | --                | --               | --                      | 2       | U |   |    |    |         | 2    | U |    |    |
| Vinyl Acetate                                                             | --                 | --                | --                | --               | --                      | 3       | U |   |    |    |         | 3    | U |    |    |
| Vinyl Chloride                                                            | --                 | --                | --                | --               | 0.02                    | 0.01    | U |   |    |    |         | 0.01 | U |    |    |

D: U = Indicates compound was not detected at the given reporting limit; X indicates that the compound was detected in the trip blank and contamination is suspected.

V: E= Exceedance, waiting verification based on subsequent lab data; V= Exceedance verified based on previous lab data; P=Passed, previous exceedance not verified based on current lab data.

Tr: I=increasing Trend, D=Decreasing Trend;

Ch: Y indicates a change in trend from previous quarter; N means no change in trend.

Values in purple exceed the prediction limit;                      indicates that a value exceeded the Groundwater Standards

The groundwater standards listed are based on the Washington Administrative Code (WAC) 173-200 groundwater limits as modified by the TMS 91-11 standards - the most restrictive of the two is used.

B = Methylene chloride was measured in the lab blank at a similar concentration - contamination during analysis suspected.



Table 2

## Most Current Downgradient Monitoring Data

| Constituent            | Units     | Well  | Date       |    | Result   |     | Pred. Limit |
|------------------------|-----------|-------|------------|----|----------|-----|-------------|
| Alkalinity (as caco3)  | mg/L      | G-01A | 04/01/2025 |    | 28.4000  |     | 230.0000    |
| Ammonia nitrogen       | mg-N/L    | G-01A | 04/01/2025 | ND | 0.0050   |     | 10.4717     |
| Antimony               | mg/L      | G-01A | 04/01/2025 | ND | 0.0001   |     | 0.0009      |
| Arsenic                | mg/L      | G-01A | 04/01/2025 |    | 0.0005   |     | 0.0048      |
| Barium                 | mg/L      | G-01A | 04/01/2025 | ND | 0.0050   |     | 1.2383      |
| Beryllium              | mg/L      | G-01A | 04/01/2025 | ND | 0.0001   |     | 0.0005      |
| Bicarbonate            | mg/L      | G-01A | 04/01/2025 |    | 28.4000  |     | 231.4809    |
| Cadmium                | mg/L      | G-01A | 04/01/2025 | ND | 0.0001   |     | 0.0002      |
| Chemical oxygen demand | mg/L      | G-01A | 04/01/2025 | ND | 2.1100   |     | 18.0000     |
| Chloride               | mg/L      | G-01A | 04/01/2025 |    | 2.2200   |     | 18.3000     |
| Chromium               | mg/L      | G-01A | 04/01/2025 | ND | 0.0170   |     | 0.0415      |
| Cobalt, Total          | mg/L      | G-01A | 04/01/2025 | ND | 0.0020   |     | 0.0070      |
| Conductivity           | umhos/cm  | G-01A | 04/01/2025 |    | 117.0000 |     | 500.0000    |
| Copper                 | mg/L      | G-01A | 04/01/2025 | ND | 0.0100   |     | 19.6182     |
| Dissolved calcium      | mg/L      | G-01A | 04/01/2025 |    | 11.6000  |     | 18.8130     |
| Dissolved iron         | mg/L      | G-01A | 04/01/2025 | ND | 0.0230   |     | 0.6735      |
| Dissolved magnesium    | mg/L      | G-01A | 04/01/2025 |    | 3.2500   |     | 5.6454      |
| Dissolved manganese    | mg/L      | G-01A | 04/01/2025 | ND | 0.0070   |     | 0.0297      |
| Dissolved potassium    | mg/L      | G-01A | 04/01/2025 |    | 0.8270   |     | 1.5280      |
| Dissolved sodium       | mg/L      | G-01A | 04/01/2025 |    | 5.0600   |     | 119.1396    |
| Iron                   | mg/L      | G-01A | 04/01/2025 | ND | 0.0160   |     | 45.8446     |
| Lead                   | mg/L      | G-01A | 04/01/2025 | ND | 0.0001   |     | 0.0039      |
| Manganese              | mg/L      | G-01A | 04/01/2025 | ND | 0.0100   |     | 0.4870      |
| Nickel                 | mg/L      | G-01A | 04/01/2025 | ND | 0.0040   |     | 15.5216     |
| Nitrate nitrogen       | mg-N/L    | G-01A | 04/01/2025 |    | 0.0470   |     | 2.1335      |
| Nitrite nitrogen       | mg-N/L    | G-01A | 04/01/2025 | ND | 0.0020   |     | 33.0535     |
| pH                     | std units | G-01A | 04/01/2025 |    | 5.6600   | *   | 5.85 - 9.34 |
| Selenium               | mg/L      | G-01A | 04/01/2025 | ND | 0.0007   |     | 0.0023      |
| Silver                 | mg/L      | G-01A | 04/01/2025 | ND | 0.0000   |     | 0.0006      |
| Sulfate                | mg/L      | G-01A | 04/01/2025 |    | 22.3000  |     | 309.8287    |
| Thallium               | mg/L      | G-01A | 04/01/2025 | ND | 0.0000   |     | 0.0001      |
| Total dissolved solids | mg/L      | G-01A | 04/01/2025 |    | 99.0000  |     | 330.0000    |
| Total organic carbon   | mg/L      | G-01A | 04/01/2025 |    | 3.7000   |     | 14.0000     |
| Vanadium               | mg/L      | G-01A | 04/01/2025 | ND | 0.0160   |     | 0.0430      |
| Zinc                   | mg/L      | G-01A | 04/01/2025 | ND | 0.0080   |     | 9.3244      |
| Alkalinity (as caco3)  | mg/L      | G-04A | 04/02/2025 |    | 259.0000 | *   | 230.0000    |
| Ammonia nitrogen       | mg-N/L    | G-04A | 04/02/2025 |    | 0.4310   |     | 10.4717     |
| Antimony               | mg/L      | G-04A | 04/02/2025 | ND | 0.0001   |     | 0.0009      |
| Arsenic                | mg/L      | G-04A | 04/02/2025 |    | 0.0170   | *   | 0.0048      |
| Barium                 | mg/L      | G-04A | 04/02/2025 | ND | 0.0050   |     | 1.2383      |
| Beryllium              | mg/L      | G-04A | 04/02/2025 | ND | 0.0001   |     | 0.0005      |
| Bicarbonate            | mg/L      | G-04A | 04/02/2025 |    | 259.0000 | *   | 231.4809    |
| Cadmium                | mg/L      | G-04A | 04/02/2025 | ND | 0.0001   |     | 0.0002      |
| Chemical oxygen demand | mg/L      | G-04A | 04/02/2025 |    | 25.6000  | *   | 18.0000     |
| Chloride               | mg/L      | G-04A | 04/02/2025 |    | 27.5000  | *** | 18.3000     |
| Chromium               | mg/L      | G-04A | 04/02/2025 | ND | 0.0170   | **  | 0.0415      |
| Cobalt, Total          | mg/L      | G-04A | 04/02/2025 |    | 0.0160   | *** | 0.0070      |
| Conductivity           | umhos/cm  | G-04A | 04/02/2025 |    | 542.0000 | *** | 500.0000    |
| Copper                 | mg/L      | G-04A | 04/02/2025 | ND | 0.0100   |     | 19.6182     |
| Dissolved calcium      | mg/L      | G-04A | 04/02/2025 |    | 49.8000  | *** | 18.8130     |
| Dissolved iron         | mg/L      | G-04A | 04/02/2025 |    | 24.0000  | *** | 0.6735      |
| Dissolved magnesium    | mg/L      | G-04A | 04/02/2025 |    | 30.3000  | *** | 5.6454      |
| Dissolved manganese    | mg/L      | G-04A | 04/02/2025 |    | 7.4000   | *** | 0.0297      |
| Dissolved potassium    | mg/L      | G-04A | 04/02/2025 |    | 2.4200   | *** | 1.5280      |
| Dissolved sodium       | mg/L      | G-04A | 04/02/2025 |    | 16.3000  |     | 119.1396    |
| Iron                   | mg/L      | G-04A | 04/02/2025 |    | 36.1000  |     | 45.8446     |
| Lead                   | mg/L      | G-04A | 04/02/2025 | ND | 0.0001   |     | 0.0039      |
| Manganese              | mg/L      | G-04A | 04/02/2025 |    | 7.8300   | *** | 0.4870      |
| Nickel                 | mg/L      | G-04A | 04/02/2025 |    | 0.0580   |     | 15.5216     |
| Nitrate nitrogen       | mg-N/L    | G-04A | 04/02/2025 |    | 0.1030   |     | 2.1335      |
| Nitrite nitrogen       | mg-N/L    | G-04A | 04/02/2025 |    | 0.0030   |     | 33.0535     |
| pH                     | std units | G-04A | 04/02/2025 |    | 5.2900   | *   | 5.85 - 9.34 |
| Selenium               | mg/L      | G-04A | 04/02/2025 |    | 0.0010   |     | 0.0023      |
| Silver                 | mg/L      | G-04A | 04/02/2025 | ND | 0.0000   |     | 0.0006      |
| Sulfate                | mg/L      | G-04A | 04/02/2025 |    | 32.7000  |     | 309.8287    |
| Thallium               | mg/L      | G-04A | 04/02/2025 | ND | 0.0000   |     | 0.0001      |
| Total dissolved solids | mg/L      | G-04A | 04/02/2025 |    | 401.0000 | *** | 330.0000    |

Table 2

## Most Current Downgradient Monitoring Data

| Constituent            | Units     | Well   | Date       |    | Result    |     | Pred. Limit |
|------------------------|-----------|--------|------------|----|-----------|-----|-------------|
| Total organic carbon   | mg/L      | G-04A  | 04/02/2025 |    | 12.4000   |     | 14.0000     |
| Vanadium               | mg/L      | G-04A  | 04/02/2025 | ND | 0.0160    |     | 0.0430      |
| Zinc                   | mg/L      | G-04A  | 04/02/2025 | ND | 0.0080    |     | 9.3244      |
| Alkalinity (as caco3)  | mg/L      | G-08D1 | 04/01/2025 |    | 167.0000  |     | 230.0000    |
| Ammonia nitrogen       | mg-N/L    | G-08D1 | 04/01/2025 |    | 0.1160    |     | 10.4717     |
| Antimony               | mg/L      | G-08D1 | 04/01/2025 | ND | 0.0001    |     | 0.0009      |
| Arsenic                | mg/L      | G-08D1 | 04/01/2025 |    | 0.0014    |     | 0.0048      |
| Barium                 | mg/L      | G-08D1 | 04/01/2025 |    | 0.0340    |     | 1.2383      |
| Beryllium              | mg/L      | G-08D1 | 04/01/2025 | ND | 0.0001    |     | 0.0005      |
| Bicarbonate            | mg/L      | G-08D1 | 04/01/2025 |    | 56.4000   |     | 231.4809    |
| Cadmium                | mg/L      | G-08D1 | 04/01/2025 | ND | 0.0001    |     | 0.0002      |
| Chemical oxygen demand | mg/L      | G-08D1 | 04/01/2025 | ND | 2.1100    |     | 18.0000     |
| Chloride               | mg/L      | G-08D1 | 04/01/2025 |    | 2.9700    |     | 18.3000     |
| Chromium               | mg/L      | G-08D1 | 04/01/2025 | ND | 0.0170    |     | 0.0415      |
| Cobalt, Total          | mg/L      | G-08D1 | 04/01/2025 | ND | 0.0020    |     | 0.0070      |
| Conductivity           | umhos/cm  | G-08D1 | 04/01/2025 |    | 442.0000  |     | 500.0000    |
| Copper                 | mg/L      | G-08D1 | 04/01/2025 | ND | 0.0100    |     | 19.6182     |
| Dissolved calcium      | mg/L      | G-08D1 | 04/01/2025 |    | 0.4740    |     | 18.8130     |
| Dissolved iron         | mg/L      | G-08D1 | 04/01/2025 | ND | 0.0230    |     | 0.6735      |
| Dissolved magnesium    | mg/L      | G-08D1 | 04/01/2025 | ND | 0.0040    |     | 5.6454      |
| Dissolved manganese    | mg/L      | G-08D1 | 04/01/2025 | ND | 0.0070    |     | 0.0297      |
| Dissolved potassium    | mg/L      | G-08D1 | 04/01/2025 | ND | 0.0080    |     | 1.5280      |
| Dissolved sodium       | mg/L      | G-08D1 | 04/01/2025 |    | 104.0000  |     | 119.1396    |
| Iron                   | mg/L      | G-08D1 | 04/01/2025 |    | 4.9100    |     | 45.8446     |
| Lead                   | mg/L      | G-08D1 | 04/01/2025 |    | 0.0010    |     | 0.0039      |
| Manganese              | mg/L      | G-08D1 | 04/01/2025 |    | 0.0460    |     | 0.4870      |
| Nickel                 | mg/L      | G-08D1 | 04/01/2025 | ND | 0.0040    |     | 15.5216     |
| Nitrate nitrogen       | mg-N/L    | G-08D1 | 04/01/2025 |    | 0.1820    |     | 2.1335      |
| Nitrite nitrogen       | mg-N/L    | G-08D1 | 04/01/2025 |    | 0.0040    |     | 33.0535     |
| pH                     | std units | G-08D1 | 04/01/2025 |    | 8.7800    |     | 5.85 - 9.34 |
| Selenium               | mg/L      | G-08D1 | 04/01/2025 | ND | 0.0007    |     | 0.0023      |
| Silver                 | mg/L      | G-08D1 | 04/01/2025 |    | 0.0003    |     | 0.0006      |
| Sulfate                | mg/L      | G-08D1 | 04/01/2025 |    | 46.8000   |     | 309.8287    |
| Thallium               | mg/L      | G-08D1 | 04/01/2025 | ND | 0.0000    |     | 0.0001      |
| Total dissolved solids | mg/L      | G-08D1 | 04/01/2025 |    | 304.0000  |     | 330.0000    |
| Total organic carbon   | mg/L      | G-08D1 | 04/01/2025 |    | 0.6000    |     | 14.0000     |
| Vanadium               | mg/L      | G-08D1 | 04/01/2025 | ND | 0.0160    |     | 0.0430      |
| Zinc                   | mg/L      | G-08D1 | 04/01/2025 |    | 0.0110    |     | 9.3244      |
| Alkalinity (as caco3)  | mg/L      | G-09S  | 07/22/2025 |    | 363.0000  | *** | 230.0000    |
| Ammonia nitrogen       | mg-N/L    | G-09S  | 07/22/2025 | ND | 0.0050    |     | 10.4717     |
| Antimony               | mg/L      | G-09S  | 07/22/2025 | ND | 0.0001    |     | 0.0009      |
| Arsenic                | mg/L      | G-09S  | 07/22/2025 |    | 0.0010    |     | 0.0048      |
| Barium                 | mg/L      | G-09S  | 07/22/2025 | ND | 0.0050    |     | 1.2383      |
| Beryllium              | mg/L      | G-09S  | 07/22/2025 | ND | 0.0001    |     | 0.0005      |
| Bicarbonate            | mg/L      | G-09S  | 07/22/2025 |    | 363.0000  | *** | 231.4809    |
| Cadmium                | mg/L      | G-09S  | 07/22/2025 | ND | 0.0001    |     | 0.0002      |
| Chemical oxygen demand | mg/L      | G-09S  | 07/22/2025 |    | 41.4000   | *   | 18.0000     |
| Chloride               | mg/L      | G-09S  | 07/22/2025 |    | 3.9700    |     | 18.3000     |
| Chromium               | mg/L      | G-09S  | 07/22/2025 | ND | 0.0170    |     | 0.0415      |
| Cobalt, Total          | mg/L      | G-09S  | 07/22/2025 | ND | 0.0020    |     | 0.0070      |
| Conductivity           | umhos/cm  | G-09S  | 07/22/2025 |    | 1010.0000 | *** | 500.0000    |
| Copper                 | mg/L      | G-09S  | 07/22/2025 | ND | 0.0100    |     | 19.6182     |
| Dissolved calcium      | mg/L      | G-09S  | 07/22/2025 |    | 86.0000   | *** | 18.8130     |
| Dissolved iron         | mg/L      | G-09S  | 07/22/2025 | ND | 0.0230    |     | 0.6735      |
| Dissolved magnesium    | mg/L      | G-09S  | 07/22/2025 |    | 31.3000   | *** | 5.6454      |
| Dissolved manganese    | mg/L      | G-09S  | 07/22/2025 |    | 0.0200    |     | 0.0297      |
| Dissolved potassium    | mg/L      | G-09S  | 07/22/2025 |    | 5.4800    | *** | 1.5280      |
| Dissolved sodium       | mg/L      | G-09S  | 07/22/2025 |    | 100.0000  |     | 119.1396    |
| Iron                   | mg/L      | G-09S  | 07/22/2025 |    | 0.5400    |     | 45.8446     |
| Lead                   | mg/L      | G-09S  | 07/22/2025 |    | 0.0006    |     | 0.0039      |
| Manganese              | mg/L      | G-09S  | 07/22/2025 |    | 0.1050    |     | 0.4870      |
| Nickel                 | mg/L      | G-09S  | 07/22/2025 | ND | 0.0040    |     | 15.5216     |
| Nitrate nitrogen       | mg-N/L    | G-09S  | 07/22/2025 | ND | 0.0114    |     | 2.1335      |
| Nitrite nitrogen       | mg-N/L    | G-09S  | 07/22/2025 |    | 0.0070    |     | 33.0535     |
| pH                     | std units | G-09S  | 07/22/2025 |    | 5.6700    | *** | 5.85 - 9.34 |
| Selenium               | mg/L      | G-09S  | 07/22/2025 | ND | 0.0007    |     | 0.0023      |
| Silver                 | mg/L      | G-09S  | 07/22/2025 |    | 0.0011    | *** | 0.0006      |

Table 2

## Most Current Downgradient Monitoring Data

| Constituent            | Units     | Well  | Date       |    | Result    |     | Pred. Limit |
|------------------------|-----------|-------|------------|----|-----------|-----|-------------|
| Sulfate                | mg/L      | G-09S | 07/22/2025 |    | 176.0000  |     | 309.8287    |
| Thallium               | mg/L      | G-09S | 07/22/2025 | ND | 0.0000    |     | 0.0001      |
| Total dissolved solids | mg/L      | G-09S | 07/22/2025 |    | 665.0000  | *** | 330.0000    |
| Total organic carbon   | mg/L      | G-09S | 07/22/2025 |    | 4.9100    |     | 14.0000     |
| Vanadium               | mg/L      | G-09S | 07/22/2025 | ND | 0.0160    |     | 0.0430      |
| Zinc                   | mg/L      | G-09S | 07/22/2025 | ND | 0.0080    |     | 9.3244      |
| Alkalinity (as caco3)  | mg/L      | G-10S | 07/22/2025 |    | 384.0000  | *** | 230.0000    |
| Ammonia nitrogen       | mg-N/L    | G-10S | 07/22/2025 |    | 0.2450    |     | 10.4717     |
| Antimony               | mg/L      | G-10S | 07/22/2025 | ND | 0.0001    |     | 0.0009      |
| Arsenic                | mg/L      | G-10S | 07/22/2025 |    | 0.0070    | *** | 0.0048      |
| Barium                 | mg/L      | G-10S | 07/22/2025 | ND | 0.0050    |     | 1.2383      |
| Beryllium              | mg/L      | G-10S | 07/22/2025 | ND | 0.0001    |     | 0.0005      |
| Bicarbonate            | mg/L      | G-10S | 07/22/2025 |    | 384.0000  | *** | 231.4809    |
| Cadmium                | mg/L      | G-10S | 07/22/2025 | ND | 0.0001    |     | 0.0002      |
| Chemical oxygen demand | mg/L      | G-10S | 07/22/2025 | ND | 2.1100    |     | 18.0000     |
| Chloride               | mg/L      | G-10S | 07/22/2025 |    | 6.2500    |     | 18.3000     |
| Chromium               | mg/L      | G-10S | 07/22/2025 | ND | 0.0170    |     | 0.0415      |
| Cobalt, Total          | mg/L      | G-10S | 07/22/2025 | ND | 0.0020    |     | 0.0070      |
| Conductivity           | umhos/cm  | G-10S | 07/22/2025 |    | 1220.0000 | *** | 500.0000    |
| Copper                 | mg/L      | G-10S | 07/22/2025 | ND | 0.0100    |     | 19.6182     |
| Dissolved calcium      | mg/L      | G-10S | 07/22/2025 |    | 87.3000   | *** | 18.8130     |
| Dissolved iron         | mg/L      | G-10S | 07/22/2025 |    | 0.4590    | **  | 0.6735      |
| Dissolved magnesium    | mg/L      | G-10S | 07/22/2025 |    | 20.3000   | *** | 5.6454      |
| Dissolved manganese    | mg/L      | G-10S | 07/22/2025 |    | 2.6800    | *** | 0.0297      |
| Dissolved potassium    | mg/L      | G-10S | 07/22/2025 |    | 3.5500    | *** | 1.5280      |
| Dissolved sodium       | mg/L      | G-10S | 07/22/2025 |    | 170.0000  | *** | 119.1396    |
| Iron                   | mg/L      | G-10S | 07/22/2025 |    | 9.8000    |     | 45.8446     |
| Lead                   | mg/L      | G-10S | 07/22/2025 | ND | 0.0001    |     | 0.0039      |
| Manganese              | mg/L      | G-10S | 07/22/2025 |    | 2.6900    | *** | 0.4870      |
| Nickel                 | mg/L      | G-10S | 07/22/2025 | ND | 0.0040    |     | 15.5216     |
| Nitrate nitrogen       | mg-N/L    | G-10S | 07/22/2025 |    | 0.0324    |     | 2.1335      |
| Nitrite nitrogen       | mg-N/L    | G-10S | 07/22/2025 |    | 0.0030    |     | 33.0535     |
| pH                     | std units | G-10S | 07/22/2025 |    | 6.2500    |     | 5.85 - 9.34 |
| Selenium               | mg/L      | G-10S | 07/22/2025 | ND | 0.0007    |     | 0.0023      |
| Silver                 | mg/L      | G-10S | 07/22/2025 | ND | 0.0000    |     | 0.0006      |
| Sulfate                | mg/L      | G-10S | 07/22/2025 |    | 234.0000  |     | 309.8287    |
| Thallium               | mg/L      | G-10S | 07/22/2025 | ND | 0.0000    |     | 0.0001      |
| Total dissolved solids | mg/L      | G-10S | 07/22/2025 |    | 803.0000  | *** | 330.0000    |
| Total organic carbon   | mg/L      | G-10S | 07/22/2025 |    | 3.8600    |     | 14.0000     |
| Vanadium               | mg/L      | G-10S | 07/22/2025 | ND | 0.0160    |     | 0.0430      |
| Zinc                   | mg/L      | G-10S | 07/22/2025 | ND | 0.0080    |     | 9.3244      |
| Alkalinity (as caco3)  | mg/L      | G-11S | 04/02/2025 |    | 72.8000   |     | 230.0000    |
| Ammonia nitrogen       | mg-N/L    | G-11S | 04/02/2025 | ND | 0.0050    |     | 10.4717     |
| Antimony               | mg/L      | G-11S | 04/02/2025 | ND | 0.0001    |     | 0.0009      |
| Arsenic                | mg/L      | G-11S | 04/02/2025 |    | 0.0008    |     | 0.0048      |
| Barium                 | mg/L      | G-11S | 04/02/2025 | ND | 0.0050    |     | 1.2383      |
| Beryllium              | mg/L      | G-11S | 04/02/2025 | ND | 0.0001    |     | 0.0005      |
| Bicarbonate            | mg/L      | G-11S | 04/02/2025 |    | 72.8000   |     | 231.4809    |
| Cadmium                | mg/L      | G-11S | 04/02/2025 | ND | 0.0001    |     | 0.0002      |
| Chemical oxygen demand | mg/L      | G-11S | 04/02/2025 | ND | 2.1100    |     | 18.0000     |
| Chloride               | mg/L      | G-11S | 04/02/2025 |    | 6.3300    |     | 18.3000     |
| Chromium               | mg/L      | G-11S | 04/02/2025 | ND | 0.0170    |     | 0.0415      |
| Cobalt, Total          | mg/L      | G-11S | 04/02/2025 | ND | 0.0020    |     | 0.0070      |
| Conductivity           | umhos/cm  | G-11S | 04/02/2025 |    | 213.0000  |     | 500.0000    |
| Copper                 | mg/L      | G-11S | 04/02/2025 | ND | 0.0100    |     | 19.6182     |
| Dissolved calcium      | mg/L      | G-11S | 04/02/2025 |    | 8.5500    |     | 18.8130     |
| Dissolved iron         | mg/L      | G-11S | 04/02/2025 | ND | 0.0230    |     | 0.6735      |
| Dissolved magnesium    | mg/L      | G-11S | 04/02/2025 |    | 1.9500    |     | 5.6454      |
| Dissolved manganese    | mg/L      | G-11S | 04/02/2025 |    | 0.1230    | *** | 0.0297      |
| Dissolved potassium    | mg/L      | G-11S | 04/02/2025 |    | 1.1000    |     | 1.5280      |
| Dissolved sodium       | mg/L      | G-11S | 04/02/2025 |    | 44.9000   |     | 119.1396    |
| Iron                   | mg/L      | G-11S | 04/02/2025 |    | 0.1860    |     | 45.8446     |
| Lead                   | mg/L      | G-11S | 04/02/2025 | ND | 0.0001    |     | 0.0039      |
| Manganese              | mg/L      | G-11S | 04/02/2025 |    | 0.6690    | *   | 0.4870      |
| Nickel                 | mg/L      | G-11S | 04/02/2025 |    | 0.0550    |     | 15.5216     |
| Nitrate nitrogen       | mg-N/L    | G-11S | 04/02/2025 | ND | 0.0114    |     | 2.1335      |
| Nitrite nitrogen       | mg-N/L    | G-11S | 04/02/2025 | ND | 0.0020    |     | 33.0535     |

**Table 2****Most Current Downgradient Monitoring Data**

| Constituent            | Units     | Well  | Date       |    | Result   |   | Pred. Limit |
|------------------------|-----------|-------|------------|----|----------|---|-------------|
| pH                     | std units | G-11S | 04/02/2025 |    | 5.6000   | * | 5.85 - 9.34 |
| Selenium               | mg/L      | G-11S | 04/02/2025 | ND | 0.0007   |   | 0.0023      |
| Silver                 | mg/L      | G-11S | 04/02/2025 | ND | 0.0000   |   | 0.0006      |
| Sulfate                | mg/L      | G-11S | 04/02/2025 |    | 28.1000  |   | 309.8287    |
| Thallium               | mg/L      | G-11S | 04/02/2025 | ND | 0.0000   |   | 0.0001      |
| Total dissolved solids | mg/L      | G-11S | 04/02/2025 |    | 110.0000 |   | 330.0000    |
| Total organic carbon   | mg/L      | G-11S | 04/02/2025 |    | 2.0500   |   | 14.0000     |
| Vanadium               | mg/L      | G-11S | 04/02/2025 | ND | 0.0160   |   | 0.0430      |
| Zinc                   | mg/L      | G-11S | 04/02/2025 | ND | 0.0080   |   | 9.3244      |

\* - Current value failed - awaiting verification.

\*\* - Current value passed - previous exceedance not verified.

\*\*\* - Current value failed - exceedance verified.

\*\*\*\* - Current value passed - awaiting one more verification.

\*\*\*\*\* - Insufficient background data to compute prediction limit.

ND = Not Detected, Result = detection limit.



Table 5

## Summary Statistics and Prediction Limits

| Constituent            | Units     | Detect | N  | Mean     | SD      | alpha  | Factor | Pred Limit | Type   |     | Conf |
|------------------------|-----------|--------|----|----------|---------|--------|--------|------------|--------|-----|------|
| Alkalinity (as caco3)  | mg/L      | 53     | 53 |          |         |        |        | 230.0000   | nonpar |     | 0.99 |
| Ammonia nitrogen       | mg-N/L    | 33     | 53 | -2.3225  | 1.9281  | 0.0100 | 2.4227 | 10.4717    | lognor |     |      |
| Antimony               | mg/L      | 6      | 52 |          |         |        |        | 0.0009     | nonpar |     | 0.99 |
| Arsenic                | mg/L      | 52     | 52 | 0.0016   | 0.0013  | 0.0100 | 2.4246 | 0.0048     | normal |     |      |
| Barium                 | mg/L      | 47     | 53 | -3.7134  | 1.6210  | 0.0100 | 2.4227 | 1.2383     | lognor |     |      |
| Beryllium              | mg/L      | 2      | 53 |          |         |        |        | 0.0005     | nonpar | *** | 0.99 |
| Bicarbonate            | mg/L      | 53     | 53 | 146.1132 | 35.2364 | 0.0100 | 2.4227 | 231.4809   | normal |     |      |
| Cadmium                | mg/L      | 15     | 51 |          |         |        |        | 0.0002     | nonpar |     | 0.99 |
| Chemical oxygen demand | mg/L      | 3      | 47 |          |         |        |        | 18.0000    | nonpar |     | 0.99 |
| Chloride               | mg/L      | 53     | 53 |          |         |        |        | 18.3000    | nonpar |     | 0.99 |
| Chromium               | mg/L      | 34     | 53 | 0.0113   | 0.0125  | 0.0100 | 2.4227 | 0.0415     | normal |     |      |
| Cobalt, Total          | mg/L      | 4      | 48 |          |         |        |        | 0.0070     | nonpar |     | 0.99 |
| Conductivity           | umhos/cm  | 52     | 52 |          |         |        |        | 500.0000   | nonpar |     | 0.99 |
| Copper                 | mg/L      | 29     | 53 | -2.2886  | 2.1732  | 0.0100 | 2.4227 | 19.6182    | lognor |     |      |
| Dissolved calcium      | mg/L      | 50     | 50 | 5.7467   | 5.3798  | 0.0100 | 2.4288 | 18.8130    | normal |     |      |
| Dissolved iron         | mg/L      | 31     | 53 | 0.1186   | 0.2290  | 0.0100 | 2.4227 | 0.6735     | normal |     |      |
| Dissolved magnesium    | mg/L      | 37     | 51 | 1.6069   | 1.6642  | 0.0100 | 2.4267 | 5.6454     | normal |     |      |
| Dissolved manganese    | mg/L      | 27     | 52 | 0.0066   | 0.0095  | 0.0100 | 2.4246 | 0.0297     | normal |     |      |
| Dissolved potassium    | mg/L      | 36     | 49 | 0.4978   | 0.4238  | 0.0100 | 2.4310 | 1.5280     | normal |     |      |
| Dissolved sodium       | mg/L      | 53     | 53 | 90.0057  | 12.0253 | 0.0100 | 2.4227 | 119.1396   | normal |     |      |
| Iron                   | mg/L      | 51     | 51 | 0.3358   | 1.4379  | 0.0100 | 2.4267 | 45.8446    | lognor |     |      |
| Lead                   | mg/L      | 47     | 53 |          |         |        |        | 0.0039     | nonpar |     | 0.99 |
| Manganese              | mg/L      | 50     | 51 |          |         |        |        | 0.4870     | nonpar |     | 0.99 |
| Nickel                 | mg/L      | 31     | 52 | -2.5304  | 2.1746  | 0.0100 | 2.4246 | 15.5216    | lognor |     |      |
| Nitrate nitrogen       | mg-N/L    | 45     | 53 | -2.3776  | 1.2941  | 0.0100 | 2.4227 | 2.1335     | lognor |     |      |
| Nitrite nitrogen       | mg-N/L    | 31     | 53 | -3.0263  | 2.6930  | 0.0100 | 2.4227 | 33.0535    | lognor |     |      |
| pH                     | std units | 53     | 53 |          |         |        |        | 5.85- 9.34 | nonpar |     | 0.99 |
| Selenium               | mg/L      | 5      | 53 |          |         |        |        | 0.0023     | nonpar |     | 0.99 |
| Silver                 | mg/L      | 4      | 53 |          |         |        |        | 0.0006     | nonpar |     | 0.99 |
| Sulfate                | mg/L      | 52     | 52 | 3.5039   | 0.9206  | 0.0100 | 2.4246 | 309.8287   | lognor |     |      |
| Thallium               | mg/L      | 11     | 53 |          |         |        |        | 0.0001     | nonpar |     | 0.99 |
| Total dissolved solids | mg/L      | 53     | 53 |          |         |        |        | 330.0000   | nonpar |     | 0.99 |
| Total organic carbon   | mg/L      | 48     | 53 |          |         |        |        | 14.0000    | nonpar |     | 0.99 |
| Vanadium               | mg/L      | 10     | 52 |          |         |        |        | 0.0430     | nonpar |     | 0.99 |
| Zinc                   | mg/L      | 36     | 53 | -2.9953  | 2.1579  | 0.0100 | 2.4227 | 9.3244     | lognor |     |      |

Conf = confidence level for passing initial test or one of two verification resamples at all downgradient wells for a single constituent (nonparametric test only).

\* - Insufficient Data.

\*\* - Calculated limit raised to Manual Reporting Limit.

\*\*\* - Nonparametric limit based on ND value.

For transformed data, mean and SD in transformed units and prediction limit in original units.

All sample sizes and statistics are based on outlier free data.

For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Groundwater Analytical Summary - Shallow Wells: Fourth Quarter 2025  
Cathcart Landfill, Snohomish County, WA

|                                                 | Statistical Method | Number of Samples | Number of Detects | Prediction Limit | Primary GW Stds 173-200 | Downgradient Wells |   |   |    |    |                                  |       |   |    |    |         |        |   |    |    |         |       |       |    |    | Upgradient Wells |       |        |       |    |         |       |       |       |    |         |       |        |      |    |         |   |   |    |    |  |
|-------------------------------------------------|--------------------|-------------------|-------------------|------------------|-------------------------|--------------------|---|---|----|----|----------------------------------|-------|---|----|----|---------|--------|---|----|----|---------|-------|-------|----|----|------------------|-------|--------|-------|----|---------|-------|-------|-------|----|---------|-------|--------|------|----|---------|---|---|----|----|--|
|                                                 |                    |                   |                   |                  |                         | G-01A              |   |   |    |    | G-04A                            |       |   |    |    | G-08D1  |        |   |    |    | G-09S   |       |       |    |    | G-10S            |       |        |       |    | G-11S   |       |       |       |    | G-14S   |       |        |      |    | G-24S   |   |   |    |    |  |
|                                                 |                    |                   |                   |                  |                         | 10/7/25            | D | V | Tr | Ch | 10/7/25                          | D     | V | Tr | Ch | 10/7/25 | D      | V | Tr | Ch | 10/8/25 | D     | V     | Tr | Ch | 10/8/25          | D     | V      | Tr    | Ch | 10/8/25 | D     | V     | Tr    | Ch | 10/7/25 | D     | V      | Tr   | Ch | 10/7/25 | D | V | Tr | Ch |  |
| CONVENTIONAL CHEMISTRY PARAMETERS (mg/L)        |                    |                   |                   |                  |                         |                    |   |   |    |    |                                  |       |   |    |    |         |        |   |    |    |         |       |       |    |    |                  |       |        |       |    |         |       |       |       |    |         |       |        |      |    |         |   |   |    |    |  |
| Alkalinity (as CaCO3)                           | nonpar             | 55                | 55                | 230              | --                      | 34                 |   |   |    |    | Not sampled - insufficient water | 166   |   |    |    |         | 354    |   | V  |    |         |       | 439   |    | V  |                  |       | 78     |       |    |         |       | 190   |       |    |         |       | 119    |      |    |         |   |   |    |    |  |
| Ammonia Nitrogen                                | lognor             | 55                | 36                | 8.7410           | --                      | 0.005              | U |   |    |    |                                  | 0.11  |   |    | I  | Y       | 0.006  | J |    |    |         |       | 0.236 |    |    |                  |       | 0.005  | U     |    |         |       | 0.005 | U     |    |         |       | 0.005  | U    |    |         |   |   |    |    |  |
| Bicarbonate                                     | nonpar             | 55                | 55                | 210              | --                      | 34                 |   |   |    |    |                                  | 74.2  |   |    |    |         | 354    |   | V  |    |         |       | 439   |    | V  |                  |       | 78     |       |    |         |       | 151   |       |    |         |       | 119    |      |    |         |   |   |    |    |  |
| Calcium, Dissolved                              | normal             | 52                | 52                | 19.3274          | --                      | 21.2               |   |   | E  |    |                                  | 0.756 |   |    |    |         | 76.7   |   | V  |    |         |       | 82.3  |    | V  | D                | N     | 9.39   |       |    |         |       | 0.652 |       |    | D       | N     | 6.78   |      |    | D       | N |   |    |    |  |
| Chemical Oxygen Demand                          | nonpar             | 51                | 4                 | 18               | --                      | 11.3               |   |   |    |    |                                  | 10    | U |    |    |         | 10     | U | P  |    |         |       | 11.3  |    |    |                  |       | 10     | U     |    |         |       | 10    | U     |    |         |       | 10     | U    |    |         |   |   |    |    |  |
| Chloride                                        | lognor             | 55                | 55                | 16.2298          | 250                     | 8.87               | D |   |    |    |                                  | 2.85  | D |    | D  | N       | 3.81   | D |    |    |         |       | 6.97  | D  |    | D                | N     | 10.9   | D     |    |         |       | 2.08  | D     |    | D       | N     | 4.3    | D    |    | D       | N |   |    |    |  |
| Conductivity (umhos/cm)                         | nonpar             | 54                | 54                | 500              | 700                     | 206                |   |   |    |    |                                  | 443   |   |    |    |         | 948    |   | V  |    |         |       | 1240  |    | V  |                  |       | 248    |       |    |         |       | 403   |       |    |         |       | 416    |      |    |         |   |   |    |    |  |
| Magnesium, Dissolved                            | normal             | 54                | 40                | 5.6654           | --                      | 5.56               |   |   |    |    |                                  | 0.027 | J |    |    |         | 30     |   | V  |    |         |       | 20.8  |    | V  | D                | N     | 2.09   |       |    |         | Y     | 0.036 | J     |    |         |       | 1.89   |      |    |         |   |   |    |    |  |
| Nitrate Nitrogen (mg-N/L)                       | nonpar             | 55                | 47                | 1.3              | 10                      | 0.02               | U |   |    |    |                                  | 0.02  | U |    |    |         | 0.0207 |   |    |    |         |       | 0.02  | U  |    |                  |       | 0.0431 |       |    |         |       | 0.02  | U     |    |         | Y     | 0.0293 |      |    |         |   |   |    |    |  |
| Nitrite Nitrogen (mg-N/L)                       | lognor             | 55                | 34                | 25.8917          | 1                       | 0.003              |   |   |    |    |                                  | 0.005 |   |    |    |         | 0.006  |   |    |    |         |       | 0.003 |    |    |                  |       | 0.004  |       |    |         |       | 0.004 |       |    |         |       | 0.012  |      |    |         |   |   |    |    |  |
| pH (std units)                                  | normal             | 55                | 55                | 5.48-10.60       | 6.5-8.5                 | 5.15               |   |   | V  |    |                                  | 8.09  |   |    |    |         | 5.59   |   |    | D  | N       |       | 6.05  |    |    | D                | Y     | 5.79   |       |    |         |       | 8.03  |       |    |         |       | 6.18   |      |    |         |   |   |    |    |  |
| Potassium, Dissolved                            | normal             | 52                | 39                | 1.5118           | --                      | 1.45               |   |   |    |    |                                  | 0.325 | J |    |    |         | 5.27   |   | V  |    |         |       | 3.73  |    | V  |                  |       | 0.963  |       |    |         |       | 0.19  | J     |    |         |       | 0.657  |      |    | D       | N |   |    |    |  |
| Sodium, Dissolved                               | normal             | 55                | 55                | 120.4794         | 20                      | 7.45               |   |   |    |    |                                  | 107   |   |    |    |         | 92.3   |   |    |    |         |       | 163   |    | V  |                  |       | 37.7   |       |    |         | Y     | 103   |       |    |         |       | 85.4   |      |    |         |   |   |    |    |  |
| Sulfate                                         | lognor             | 54                | 54                | 322.7847         | 250                     | 41.3               | D |   | D  | Y  |                                  | 45.8  | D |    | D  | N       | 161    | D |    | D  | N       |       | 208   | D  |    | D                | N     | 25.5   | D     |    |         |       | 17.2  | D     |    |         |       | 74.7   | D    |    | D       | N |   |    |    |  |
| Total Dissolved Solids                          | normal             | 55                | 55                | 355.2763         | 500                     | 146                |   |   |    |    |                                  | 263   |   |    |    |         | 582    |   | V  |    |         |       | 771   |    | V  | D                | N     | 128    |       |    |         |       | 123   |       |    |         |       | 228    |      |    |         |   |   |    |    |  |
| Total Organic Carbon                            | nonpar             | 55                | 51                | 14               | --                      | 4.59               |   |   |    |    |                                  | 0.93  |   |    |    |         | 5.24   |   |    |    |         |       | 4.62  |    |    |                  |       | 2.11   |       |    |         |       | 1.86  |       |    |         |       | 1.47   |      |    |         |   |   |    |    |  |
| TOTAL METALS EPA Methods 200.7/200.8 (µg/L)     |                    |                   |                   |                  |                         |                    |   |   |    |    |                                  |       |   |    |    |         |        |   |    |    |         |       |       |    |    |                  |       |        |       |    |         |       |       |       |    |         |       |        |      |    |         |   |   |    |    |  |
| Antimony                                        | nonpar             | 52                | 8                 | 0.9              | 6                       | 0.146              | U |   |    |    | Not sampled - insufficient water | 0.146 | U |    |    |         | 0.146  | U |    |    |         | 0.146 | U     |    |    |                  | 0.146 | U      |       |    |         | 0.171 | J     |       |    |         | 0.146 | U      |      |    |         |   |   |    |    |  |
| Arsenic                                         | normal             | 51                | 51                | 4.8              | 0.05                    | 0.197              |   |   |    |    |                                  | 1.245 |   |    |    |         | 0.687  |   |    |    |         | 7.755 |       | V  |    |                  | 0.463 |        |       |    |         | 3.719 | D     |       | I  | Y       | 0.54  |        |      | I  | Y       |   |   |    |    |  |
| Barium                                          | lognor             | 53                | 48                | 919.5            | 1000                    | 5.0                | U |   |    |    |                                  | 22    |   |    |    |         | 7.0    | J |    |    |         | 6.0   | J     |    |    |                  | 5.0   | J      |       |    |         | 55    |       |       | I  | Y       | 8.0   | J      |      |    |         |   |   |    |    |  |
| Beryllium                                       | nonpar             | 53                | 2                 | 0.5              | 4                       | 0.125              | U |   |    |    |                                  | 0.125 | U |    |    |         | 0.125  | U |    |    |         | 0.125 | U     |    |    |                  | 0.125 | U      |       |    |         | 0.626 | U     |       |    |         | 0.125 | U      |      |    |         |   |   |    |    |  |
| Cadmium                                         | nonpar             | 51                | 16                | 0.7              | 5                       | 0.07               | U |   |    |    |                                  | 0.07  | U |    |    |         | 0.07   | U |    |    |         | 0.07  | U     |    |    |                  | 0.07  | U      |       |    |         | 0.07  | U     |       |    |         | 0.07  | U      |      |    |         |   |   |    |    |  |
| Chromium                                        | normal             | 53                | 35                | 41.5             | 50                      | 17                 | U |   |    |    |                                  | 17    | U |    |    |         | 17     | U |    |    |         | 17    | U     |    |    |                  | 17    | U      |       |    |         | 17    | U     |       |    |         | 17    | U      |      |    |         |   |   |    |    |  |
| Cobalt                                          | nonpar             | 47                | 5                 | 7                | --                      | 2.0                | U |   |    |    |                                  | 5.0   | J |    |    |         | 2.0    | U |    |    |         | 2.0   | U     |    |    |                  | 18    |        | E     |    |         | 2.0   | J     |       |    |         | 2.0   | U      |      |    |         |   |   |    |    |  |
| Copper                                          | lognor             | 53                | 28                | 21346.5          | 1000                    | 10                 | U |   |    |    |                                  | 10    | U |    |    |         | 10     | U |    |    |         | 10    | U     |    |    |                  | 10    | U      |       |    |         | 10    | U     |       |    |         | 10    |        |      |    |         |   |   |    |    |  |
| Iron                                            | lognor             | 51                | 51                | 47699.9          | 300                     | 139                |   |   |    |    |                                  | 2490  |   |    |    |         | 380    |   |    |    |         | 7350  |       |    | D  | N                | 166   |        |       |    |         | 5670  |       |       |    |         | 475   |        |      |    |         |   |   |    |    |  |
| Lead                                            | nonpar             | 53                | 47                | 3.9              | 50                      | 0.102              | J |   |    |    |                                  | 0.911 |   |    |    |         | 0.384  |   |    | D  | N       |       | 0.06  | U  |    |                  | D     | N      | 0.229 |    |         |       |       | 1.249 |    |         |       |        | 0.46 |    |         |   |   |    |    |  |
| Manganese                                       | normal             | 51                | 51                | 487              | 50                      | 11                 |   |   |    |    |                                  | 39    |   |    |    |         | 61     |   |    | D  | N       |       | 2730  |    | V  | D                | N     | 2070   |       | V  | I       | N     | 144   |       |    |         |       | 27     |      |    |         |   |   |    |    |  |
| Nickel                                          | lognor             | 52                | 33                | 12144.7          | 100                     | 4.0                | U |   |    |    |                                  | 4.0   | U |    |    |         | 4.0    | U |    |    |         | 4.0   | U     |    |    |                  | 4.0   | U      |       |    |         | 4.0   | U     |       |    |         | 4.0   | U      |      |    |         |   |   |    |    |  |
| Selenium                                        | nonpar             | 53                | 5                 | 2.3              | 10                      | 0.744              | U |   |    |    |                                  | 0.744 | U |    |    |         | 0.744  | U |    |    |         | 0.744 | U     |    |    |                  | 0.744 | U      |       |    |         | 3.722 | U     |       |    |         | 0.744 | U      |      |    |         |   |   |    |    |  |
| Silver                                          | nonpar             | 53                | 4                 | 0.6              | 50                      | 0.041              | U |   |    |    |                                  | 0.296 |   |    |    |         | 1.242  |   | V  |    |         | 0.041 | U     |    |    |                  | 0.041 | U      |       |    |         | 0.041 | U     |       |    |         | 0.041 | U      |      |    |         |   |   |    |    |  |
| Thallium                                        | nonpar             | 53                | 12                | 0.1              | 2                       | 0.043              | U |   |    |    |                                  | 0.043 | U |    |    |         | 0.043  | U |    |    |         | 0.043 | U     |    |    |                  | 0.043 | U      |       |    |         | 0.043 | U     |       |    |         | 0.043 | U      |      |    |         |   |   |    |    |  |
| Vanadium                                        | nonpar             | 52                | 10                | 43               | --                      | 16                 | U |   |    |    |                                  | 16    | U |    |    |         | 16     | U |    |    |         | 16    | U     |    |    |                  | 16    | U      |       |    |         | 16    | U     |       |    |         | 16    | U      |      |    |         |   |   |    |    |  |
| Zinc                                            | lognor             | 53                | 37                | 7912.5           | 5000                    | 8.0                | U |   |    |    |                                  | 8.0   | U |    |    |         | 8.0    | U |    |    |         | 8.0   | U     |    |    |                  | 8.0   | U      |       |    |         | 13    |       |       |    |         | 8.0   | U      |      |    |         |   |   |    |    |  |
| DISSOLVED METALS EPA Methods 200.7/200.8 (µg/L) |                    |                   |                   |                  |                         |                    |   |   |    |    |                                  |       |   |    |    |         |        |   |    |    |         |       |       |    |    |                  |       |        |       |    |         |       |       |       |    |         |       |        |      |    |         |   |   |    |    |  |
| Antimony                                        | --                 | --                | --                | --               | 6                       | 0.127              |   |   |    |    | Not sampled - insufficient water | 0.1   | U |    |    |         | 0.1    | U |    |    |         | 0.1   | U     |    |    |                  | 0.1   | U      |       |    |         | 0.257 |       |       |    |         | 0.156 |        |      |    |         |   |   |    |    |  |
| Arsenic                                         | --                 | --                | --                | --               | 0.05                    | 0.183              |   |   |    |    |                                  | 1.611 |   |    |    |         | 0.844  |   |    |    |         | 3.522 |       |    |    |                  | 0.454 |        |       |    |         | 3.732 |       |       |    |         | 0.663 |        |      |    |         |   |   |    |    |  |
| Barium                                          | --                 | --                | --                | --               | 1000                    | 4.0                | U |   |    |    |                                  | 4.0   | U |    |    |         | 4.0    | J |    |    |         | 4.0   | U     |    |    |                  | 4.0   | U      |       |    |         | 4.0   | U     |       |    |         | 4.0   | U      |      |    |         |   |   |    |    |  |
| Beryllium                                       | --                 | --                | --                | --               | 4                       | 0.125              | U |   |    |    |                                  | 0.125 | U |    |    |         | 0.125  | U |    |    |         | 0.125 | U     |    |    |                  | 0.125 | U      |       |    |         | 0.125 | U     |       |    |         | 0.125 | U      |      |    |         |   |   |    |    |  |
| Cadmium                                         | --                 | --                | --                | --               | 5                       | 0.02               | J |   |    |    |                                  | 0.013 | J |    |    |         | 0.016  | J |    |    |         | 0.007 | U     |    |    |                  | 0.025 | J      |       |    |         | 0.008 | J     |       |    |         | 0.012 | J      |      |    |         |   |   |    |    |  |
| Chromium                                        | --                 | --                | --                | --               | 50                      | 17                 | U |   |    |    |                                  | 17    | U |    |    |         | 17     | U |    |    |         | 17    | U     |    |    |                  | 17    | U      |       |    |         | 17    | U     |       |    |         | 17    | U      |      |    |         |   |   |    |    |  |
| Cobalt                                          | --                 | --                | --                | --               | --                      | 2.0                | U |   |    |    |                                  | 2.0   | U |    |    |         | 2.0    | U |    |    |         | 2.0   | U     |    |    |                  | 2.0   | U      |       |    |         | 2.0   | U     |       |    |         |       |        |      |    |         |   |   |    |    |  |

Groundwater Analytical Summary - Shallow Wells: Fourth Quarter 2025  
Cathcart Landfill, Snohomish County, WA

|                                                                  | Statistical Method | Number of Samples | Number of Detects | Prediction Limit | Primary GW Stds 173-200 | Downgradient Wells |   |   |    |    |                                  |      |   |    |    |         |      |   |    |    |         |      |   |    |    |         | Upgradient Wells |   |    |    |         |      |   |    |    |         |      |   |    |    |         |   |   |    |    |
|------------------------------------------------------------------|--------------------|-------------------|-------------------|------------------|-------------------------|--------------------|---|---|----|----|----------------------------------|------|---|----|----|---------|------|---|----|----|---------|------|---|----|----|---------|------------------|---|----|----|---------|------|---|----|----|---------|------|---|----|----|---------|---|---|----|----|
|                                                                  |                    |                   |                   |                  |                         | G-01A              |   |   |    |    | G-04A                            |      |   |    |    | G-08D1  |      |   |    |    | G-09S   |      |   |    |    | G-10S   |                  |   |    |    | G-11S   |      |   |    |    | G-14S   |      |   |    |    | G-24S   |   |   |    |    |
|                                                                  |                    |                   |                   |                  |                         | 10/7/25            | D | V | Tr | Ch | 10/7/25                          | D    | V | Tr | Ch | 10/7/25 | D    | V | Tr | Ch | 10/8/25 | D    | V | Tr | Ch | 10/8/25 | D                | V | Tr | Ch | 10/8/25 | D    | V | Tr | Ch | 10/7/25 | D    | V | Tr | Ch | 10/7/25 | D | V | Tr | Ch |
| VOLATILE ORGANIC COMPOUNDS (VOCs) EPA Method 8260 (µg/L) (cont.) |                    |                   |                   |                  |                         |                    |   |   |    |    |                                  |      |   |    |    |         |      |   |    |    |         |      |   |    |    |         |                  |   |    |    |         |      |   |    |    |         |      |   |    |    |         |   |   |    |    |
| 1,1-Dichloroethylene                                             | --                 | --                | --                | --               | --                      | 1                  | U |   |    |    | Not sampled - insufficient water | 1    | U |    |    |         | 1    | U |    |    |         | 1    | U |    |    |         | 1                | U |    |    |         | 1    | U |    |    |         | 1    | U |    |    |         |   |   |    |    |
| 1,2,3-Trichloropropane                                           | --                 | --                | --                | --               | --                      | 1                  | U |   |    |    |                                  | 1    | U |    |    |         | 1    | U |    |    |         | 1    | U |    |    |         | 1                | U |    |    |         | 1    | U |    |    |         | 1    | U |    |    |         |   |   |    |    |
| 1,2-Dibromo-3-chloropropane                                      | --                 | --                | --                | --               | 0.2                     | 0.03               | U |   |    |    |                                  | 0.03 | U |    |    |         | 0.03 | U |    |    |         | 0.03 | U |    |    |         | 0.03             | U |    |    |         | 0.03 | U |    |    |         | 0.03 | U |    |    |         |   |   |    |    |
| 1,2-Dibromoethane                                                | --                 | --                | --                | --               | 0.001                   | 0.01               | U |   |    |    |                                  | 0.01 | U |    |    |         | 0.01 | U |    |    |         | 0.01 | U |    |    |         | 0.01             | U |    |    |         | 0.01 | U |    |    |         | 0.01 | U |    |    |         |   |   |    |    |
| 1,2-Dichlorobenzene                                              | --                 | --                | --                | --               | --                      | 1                  | U |   |    |    |                                  | 1    | U |    |    |         | 1    | U |    |    |         | 1    | U |    |    |         | 1                | U |    |    |         | 1    | U |    |    |         | 1    | U |    |    |         |   |   |    |    |
| 1,2-Dichloroethane                                               | --                 | --                | --                | --               | 0.5                     | 0.03               | U |   |    |    |                                  | 0.03 | U |    |    |         | 0.03 | U |    |    |         | 0.03 | U |    |    |         | 0.03             | U |    |    |         | 0.03 | U |    |    |         | 0.03 | U |    |    |         |   |   |    |    |
| 1,2-Dichloropropane                                              | --                 | --                | --                | --               | 0.6                     | 0.02               | U |   |    |    |                                  | 0.02 | U |    |    |         | 0.02 | U |    |    |         | 0.02 | U |    |    |         | 0.02             | U |    |    |         | 0.02 | U |    |    |         | 0.02 | U |    |    |         |   |   |    |    |
| 1,4-Dichlorobenzene                                              | --                 | --                | --                | --               | 4                       | 1                  | U |   |    |    |                                  | 1    | U |    |    |         | 1    | U |    |    |         | 1    | U |    |    |         | 1                | U |    |    |         | 1    | U |    |    |         | 1    | U |    |    |         |   |   |    |    |
| 2-Butanone                                                       | --                 | --                | --                | --               | --                      | 5                  | U |   |    |    |                                  | 5    | U |    |    |         | 5    | U |    |    |         | 5    | U |    |    |         | 5                | U |    |    |         | 5    | U |    |    |         | 5    | U |    |    |         |   |   |    |    |
| 2-Hexanone                                                       | --                 | --                | --                | --               | --                      | 2                  | U |   |    |    |                                  | 2    | U |    |    |         | 2    | U |    |    |         | 2    | U |    |    |         | 2                | U |    |    |         | 2    | U |    |    |         | 2    | U |    |    |         |   |   |    |    |
| 4-Methyl-2-Pentanone (MIBK)                                      | --                 | --                | --                | --               | --                      | 3                  | U |   |    |    |                                  | 3    | U |    |    |         | 3    | U |    |    |         | 3    | U |    |    |         | 3                | U |    |    |         | 3    | U |    |    |         | 3    | U |    |    |         |   |   |    |    |
| Acetone                                                          | --                 | --                | --                | --               | --                      | 5                  | U |   |    |    |                                  | 5    | U |    |    |         | 15.9 | X |    |    |         | 5    | U |    |    |         | 23               | X |    |    |         | 5    | U |    |    |         | 5    | U |    |    |         |   |   |    |    |
| Acrylonitrile                                                    | --                 | --                | --                | --               | 0.07                    | 0.05               | U |   |    |    |                                  | 0.05 | U |    |    |         | 0.05 | U |    |    |         | 0.05 | U |    |    |         | 0.05             | U |    |    |         | 0.05 | U |    |    |         | 0.05 | U |    |    |         |   |   |    |    |
| Benzene                                                          | --                 | --                | --                | --               | 1                       | 0.1                | U |   |    |    |                                  | 0.1  | U |    |    |         | 0.1  | U |    |    |         | 0.1  | U |    |    |         | 0.1              | U |    |    |         | 0.1  | U |    |    |         | 0.1  | U |    |    |         |   |   |    |    |
| Bromodichloromethane                                             | --                 | --                | --                | --               | 0.3                     | 0.02               | U |   |    |    |                                  | 0.02 | U |    |    |         | 0.02 | U |    |    |         | 0.02 | U |    |    |         | 0.02             | U |    |    |         | 0.02 | U |    |    |         | 0.02 | U |    |    |         |   |   |    |    |
| Bromoform                                                        | --                 | --                | --                | --               | 5                       | 2                  | U |   |    |    |                                  | 2    | U |    |    |         | 2    | U |    |    |         | 2    | U |    |    |         | 2                | U |    |    |         | 2    | U |    |    |         | 2    | U |    |    |         |   |   |    |    |
| Bromomethane                                                     | --                 | --                | --                | --               | --                      | 2                  | U |   |    |    |                                  | 2    | U |    |    |         | 2    | U |    |    |         | 2    | U |    |    |         | 2                | U |    |    |         | 2    | U |    |    |         | 2    | U |    |    |         |   |   |    |    |
| Carbon Disulfide                                                 | --                 | --                | --                | --               | --                      | 3                  | U |   |    |    |                                  | 3    | U |    |    |         | 3    | U |    |    |         | 3    | U |    |    |         | 3                | U |    |    |         | 3    | U |    |    |         | 3    | U |    |    |         |   |   |    |    |
| Carbon Tetrachloride                                             | --                 | --                | --                | --               | 0.3                     | 0.02               | U |   |    |    |                                  | 0.02 | U |    |    |         | 0.02 | U |    |    |         | 0.02 | U |    |    |         | 0.02             | U |    |    |         | 0.02 | U |    |    |         | 0.02 | U |    |    |         |   |   |    |    |
| Chlorobenzene                                                    | --                 | --                | --                | --               | --                      | 0.03               | U |   |    |    |                                  | 0.03 | U |    |    |         | 0.03 | U |    |    |         | 0.03 | U |    |    |         | 0.03             | U |    |    |         | 0.03 | U |    |    |         | 0.03 | U |    |    |         |   |   |    |    |
| Chlorodibromomethane                                             | --                 | --                | --                | --               | 0.5                     | 0.1                | U |   |    |    |                                  | 0.1  | U |    |    |         | 0.1  | U |    |    |         | 0.1  | U |    |    |         | 0.1              | U |    |    |         | 0.1  | U |    |    |         | 0.1  | U |    |    |         |   |   |    |    |
| Chloroethane                                                     | --                 | --                | --                | --               | --                      | 0.02               | U |   |    |    |                                  | 0.02 | U |    |    |         | 0.02 | U |    |    |         | 0.02 | U |    |    |         | 0.02             | U |    |    |         | 0.02 | U |    |    |         | 0.02 | U |    |    |         |   |   |    |    |
| Chloroform                                                       | --                 | --                | --                | --               | 7                       | 1                  | U |   |    |    |                                  | 1    | U |    |    |         | 1    | U |    |    |         | 1    | U |    |    |         | 1                | U |    |    |         | 1    | U |    |    |         | 1    | U |    |    |         |   |   |    |    |
| Chloromethane                                                    | --                 | --                | --                | --               | --                      | 0.1                | U |   |    |    |                                  | 0.1  | U |    |    |         | 0.1  | U |    |    |         | 0.1  | U |    |    |         | 0.1              | U |    |    |         | 0.1  | U |    |    |         | 0.1  | U |    |    |         |   |   |    |    |
| cis-1,2-Dichloroethene                                           | --                 | --                | --                | --               | --                      | 0.03               | U |   |    |    |                                  | 0.03 | U |    |    |         | 0.07 |   |    |    |         | 0.03 | U |    |    |         | 0.03             | U |    |    |         | 0.03 | U |    |    |         | 0.03 | U |    |    |         |   |   |    |    |
| cis-1,3-Dichloropropene                                          | --                 | --                | --                | --               | 0.2                     | 0.03               | U |   |    |    |                                  | 0.03 | U |    |    |         | 0.03 | U |    |    |         | 0.03 | U |    |    |         | 0.03             | U |    |    |         | 0.03 | U |    |    |         | 0.03 | U |    |    |         |   |   |    |    |
| Dibromomethane                                                   | --                 | --                | --                | --               | --                      | 0.02               | U |   |    |    |                                  | 0.02 | U |    |    |         | 0.02 | U |    |    |         | 0.02 | U |    |    |         | 0.02             | U |    |    |         | 0.02 | U |    |    |         | 0.02 | U |    |    |         |   |   |    |    |
| Ethyl Benzene                                                    | --                 | --                | --                | --               | --                      | 1                  | U |   |    |    |                                  | 1    | U |    |    |         | 1    | U |    |    |         | 1    | U |    |    |         | 1                | U |    |    |         | 1    | U |    |    |         | 1    | U |    |    |         |   |   |    |    |
| m,p-Xylene                                                       | --                 | --                | --                | --               | --                      | 5                  | U |   |    |    |                                  | 5    | U |    |    |         | 5    | U |    |    |         | 5    | U |    |    |         | 5                | U |    |    |         | 5    | U |    |    |         | 5    | U |    |    |         |   |   |    |    |
| Methyl Iodide                                                    | --                 | --                | --                | --               | --                      | 3                  | U |   |    |    |                                  | 3    | U |    |    |         | 3    | U |    |    |         | 3    | U |    |    |         | 3                | U |    |    |         | 3    | U |    |    |         | 3    | U |    |    |         |   |   |    |    |
| Methylene Chloride                                               | --                 | --                | --                | --               | 5                       | 3                  | U |   |    |    |                                  | 3    | U |    |    |         | 3    | U |    |    |         | 3    | U |    |    |         | 3                | U |    |    |         | 3    | U |    |    |         | 3    | U |    |    |         |   |   |    |    |
| o-Xylene                                                         | --                 | --                | --                | --               | --                      | 1.5                | U |   |    |    |                                  | 1.5  | U |    |    |         | 1.5  | U |    |    |         | 1.5  | U |    |    |         | 1.5              | U |    |    |         | 1.5  | U |    |    |         | 1.5  | U |    |    |         |   |   |    |    |
| Styrene                                                          | --                 | --                | --                | --               | --                      | 2                  | U |   |    |    | 2                                | U    |   |    |    | 2       | U    |   |    |    | 2       | U    |   |    |    | 2       | U                |   |    |    | 2       | U    |   |    |    | 2       | U    |   |    |    |         |   |   |    |    |
| Tetrachloroethylene                                              | --                 | --                | --                | --               | 0.8                     | 0.03               | U |   |    |    | 0.03                             | U    |   |    |    | 0.03    | U    |   |    |    | 0.03    | U    |   |    |    | 0.03    | U                |   |    |    | 0.03    | U    |   |    |    | 0.03    | U    |   |    |    |         |   |   |    |    |
| Toluene                                                          | --                 | --                | --                | --               | --                      | 2                  | U |   |    |    | 2                                | U    |   |    |    | 2       | U    |   |    |    | 2       | U    |   |    |    | 2       | U                |   |    |    | 2       | U    |   |    |    | 2       | U    |   |    |    |         |   |   |    |    |
| trans-1,2-Dichloroethene                                         | --                 | --                | --                | --               | --                      | 1                  | U |   |    |    | 1                                | U    |   |    |    | 1       | U    |   |    |    | 1       | U    |   |    |    | 1       | U                |   |    |    | 1       | U    |   |    |    | 1       | U    |   |    |    |         |   |   |    |    |
| trans-1,3-Dichloropropene                                        | --                 | --                | --                | --               | 0.2                     | 0.03               | U |   |    |    | 0.03                             | U    |   |    |    | 0.03    | U    |   |    |    | 0.03    | U    |   |    |    | 0.03    | U                |   |    |    | 0.03    | U    |   |    |    | 0.03    | U    |   |    |    |         |   |   |    |    |
| trans-1,4-Dichloro-2-butene                                      | --                 | --                | --                | --               | --                      | 2                  | U |   |    |    | 2                                | U    |   |    |    | 2       | U    |   |    |    | 2       | U    |   |    |    | 2       | U                |   |    |    | 2       | U    |   |    |    | 2       | U    |   |    |    |         |   |   |    |    |
| Trichlorethene (1,1,2-Trichloroe                                 | --                 | --                | --                | --               | 3                       | 2                  | U |   |    |    | 2                                | U    |   |    |    | 2       | U    |   |    |    | 2       | U    |   |    |    | 2       | U                |   |    |    | 2       | U    |   |    |    | 2       | U    |   |    |    |         |   |   |    |    |
| Trichlorofluoromethane                                           | --                 | --                | --                | --               | --                      | 2                  | U |   |    |    | 2                                | U    |   |    |    | 2       | U    |   |    |    | 2       | U    |   |    |    | 2       | U                |   |    |    | 2       | U    |   |    |    | 2       | U    |   |    |    |         |   |   |    |    |
| Vinyl Acetate                                                    | --                 | --                | --                | --               | --                      | 3                  | U |   |    |    | 3                                | U    |   |    |    | 3       | U    |   |    |    | 3       | U    |   |    |    | 3       | U                |   |    |    | 3       | U    |   |    |    | 3       | U    |   |    |    |         |   |   |    |    |
| Vinyl Chloride                                                   | --                 | --                | --                | --               | 0.02                    | 0.01               | U |   |    |    | 0.01                             | U    |   |    |    | 0.01    | U    |   |    |    | 0.01    | U    |   |    |    | 0.01    | U                |   |    |    | 0.01    | U    |   |    |    | 0.01    | U    |   |    |    |         |   |   |    |    |

D: U = Indicates compound was not detected at the given reporting limit; X indicates that the compound was detected in the trip blank and contamination is suspected.  
V: E= Exceedance, waiting verification based on subsequent lab data; V= Exceedance verified based on previous lab data; P=Passed, previous exceedance not verified based on current lab data.  
Tr: I=increasing Trend, D=Decreasing Trend;  
Ch: Y indicates a change in trend from previous quarter; N means no change in trend.  
Values in purple exceed the prediction limit; indicates that a value exceeded the Groundwater Standards  
The groundwater standards listed are based on the Washington Administrative Code (WAC) 173-200 groundwater limits or WAC 246-290, whichever is more protective of groundwater quality.

Table 2

## Most Current Downgradient Monitoring Data

| Constituent            | Units     | Well  | Date       |    | Result   |     | Pred. Limit |
|------------------------|-----------|-------|------------|----|----------|-----|-------------|
| Alkalinity (as caco3)  | mg/L      | G-01A | 10/07/2025 |    | 34.0000  |     | 230.0000    |
| Ammonia nitrogen       | mg-N/L    | G-01A | 10/07/2025 | ND | 0.0050   |     | 10.4717     |
| Antimony               | mg/L      | G-01A | 10/07/2025 | ND | 0.0001   |     | 0.0009      |
| Arsenic                | mg/L      | G-01A | 10/07/2025 |    | 0.0002   |     | 0.0048      |
| Barium                 | mg/L      | G-01A | 10/07/2025 | ND | 0.0050   |     | 1.2383      |
| Beryllium              | mg/L      | G-01A | 10/07/2025 | ND | 0.0001   |     | 0.0005      |
| Bicarbonate            | mg/L      | G-01A | 10/07/2025 |    | 34.0000  |     | 231.4809    |
| Cadmium                | mg/L      | G-01A | 10/07/2025 | ND | 0.0001   |     | 0.0002      |
| Chemical oxygen demand | mg/L      | G-01A | 10/07/2025 |    | 11.3000  |     | 18.0000     |
| Chloride               | mg/L      | G-01A | 10/07/2025 |    | 8.8700   |     | 18.3000     |
| Chromium               | mg/L      | G-01A | 10/07/2025 | ND | 0.0170   |     | 0.0415      |
| Cobalt, Total          | mg/L      | G-01A | 10/07/2025 | ND | 0.0020   |     | 0.0070      |
| Conductivity           | umhos/cm  | G-01A | 10/07/2025 |    | 206.0000 |     | 500.0000    |
| Copper                 | mg/L      | G-01A | 10/07/2025 | ND | 0.0100   |     | 19.6182     |
| Dissolved calcium      | mg/L      | G-01A | 10/07/2025 |    | 21.2000  | *   | 18.8130     |
| Dissolved iron         | mg/L      | G-01A | 10/07/2025 |    | 0.0240   |     | 0.6735      |
| Dissolved magnesium    | mg/L      | G-01A | 10/07/2025 |    | 5.5600   |     | 5.6454      |
| Dissolved manganese    | mg/L      | G-01A | 10/07/2025 | ND | 0.0070   |     | 0.0297      |
| Dissolved potassium    | mg/L      | G-01A | 10/07/2025 |    | 1.4500   |     | 1.5280      |
| Dissolved sodium       | mg/L      | G-01A | 10/07/2025 |    | 7.4500   |     | 119.1396    |
| Iron                   | mg/L      | G-01A | 10/07/2025 |    | 0.1390   |     | 45.8446     |
| Lead                   | mg/L      | G-01A | 10/07/2025 |    | 0.0001   |     | 0.0039      |
| Manganese              | mg/L      | G-01A | 10/07/2025 |    | 0.0110   |     | 0.4870      |
| Nickel                 | mg/L      | G-01A | 10/07/2025 | ND | 0.0040   |     | 15.5216     |
| Nitrate nitrogen       | mg-N/L    | G-01A | 10/07/2025 | ND | 0.0114   |     | 2.1335      |
| Nitrite nitrogen       | mg-N/L    | G-01A | 10/07/2025 |    | 0.0030   |     | 33.0535     |
| pH                     | std units | G-01A | 10/07/2025 |    | 5.1500   | *** | 5.85 - 9.34 |
| Selenium               | mg/L      | G-01A | 10/07/2025 | ND | 0.0007   |     | 0.0023      |
| Silver                 | mg/L      | G-01A | 10/07/2025 | ND | 0.0000   |     | 0.0006      |
| Sulfate                | mg/L      | G-01A | 10/07/2025 |    | 41.3000  |     | 309.8287    |
| Thallium               | mg/L      | G-01A | 10/07/2025 | ND | 0.0000   |     | 0.0001      |
| Total dissolved solids | mg/L      | G-01A | 10/07/2025 |    | 146.0000 |     | 330.0000    |
| Total organic carbon   | mg/L      | G-01A | 10/07/2025 |    | 4.5900   |     | 14.0000     |
| Vanadium               | mg/L      | G-01A | 10/07/2025 | ND | 0.0160   |     | 0.0430      |
| Zinc                   | mg/L      | G-01A | 10/07/2025 | ND | 0.0080   |     | 9.3244      |
| Alkalinity (as caco3)  | mg/L      | G-04A | 04/02/2025 |    | 259.0000 | *   | 230.0000    |
| Ammonia nitrogen       | mg-N/L    | G-04A | 04/02/2025 |    | 0.4310   |     | 10.4717     |
| Antimony               | mg/L      | G-04A | 04/02/2025 | ND | 0.0001   |     | 0.0009      |
| Arsenic                | mg/L      | G-04A | 04/02/2025 |    | 0.0170   | *   | 0.0048      |
| Barium                 | mg/L      | G-04A | 04/02/2025 | ND | 0.0050   |     | 1.2383      |
| Beryllium              | mg/L      | G-04A | 04/02/2025 | ND | 0.0001   |     | 0.0005      |
| Bicarbonate            | mg/L      | G-04A | 04/02/2025 |    | 259.0000 | *   | 231.4809    |
| Cadmium                | mg/L      | G-04A | 04/02/2025 | ND | 0.0001   |     | 0.0002      |
| Chemical oxygen demand | mg/L      | G-04A | 04/02/2025 |    | 25.6000  | *   | 18.0000     |
| Chloride               | mg/L      | G-04A | 04/02/2025 |    | 27.5000  | *** | 18.3000     |
| Chromium               | mg/L      | G-04A | 04/02/2025 | ND | 0.0170   | **  | 0.0415      |
| Cobalt, Total          | mg/L      | G-04A | 04/02/2025 |    | 0.0160   | *** | 0.0070      |
| Conductivity           | umhos/cm  | G-04A | 04/02/2025 |    | 542.0000 | *** | 500.0000    |
| Copper                 | mg/L      | G-04A | 04/02/2025 | ND | 0.0100   |     | 19.6182     |
| Dissolved calcium      | mg/L      | G-04A | 04/02/2025 |    | 49.8000  | *** | 18.8130     |
| Dissolved iron         | mg/L      | G-04A | 04/02/2025 |    | 24.0000  | *** | 0.6735      |
| Dissolved magnesium    | mg/L      | G-04A | 04/02/2025 |    | 30.3000  | *** | 5.6454      |
| Dissolved manganese    | mg/L      | G-04A | 04/02/2025 |    | 7.4000   | *** | 0.0297      |
| Dissolved potassium    | mg/L      | G-04A | 04/02/2025 |    | 2.4200   | *** | 1.5280      |
| Dissolved sodium       | mg/L      | G-04A | 04/02/2025 |    | 16.3000  |     | 119.1396    |
| Iron                   | mg/L      | G-04A | 04/02/2025 |    | 36.1000  |     | 45.8446     |
| Lead                   | mg/L      | G-04A | 04/02/2025 | ND | 0.0001   |     | 0.0039      |
| Manganese              | mg/L      | G-04A | 04/02/2025 |    | 7.8300   | *** | 0.4870      |
| Nickel                 | mg/L      | G-04A | 04/02/2025 |    | 0.0580   |     | 15.5216     |
| Nitrate nitrogen       | mg-N/L    | G-04A | 04/02/2025 |    | 0.1030   |     | 2.1335      |
| Nitrite nitrogen       | mg-N/L    | G-04A | 04/02/2025 |    | 0.0030   |     | 33.0535     |
| pH                     | std units | G-04A | 04/02/2025 |    | 5.2900   | *   | 5.85 - 9.34 |
| Selenium               | mg/L      | G-04A | 04/02/2025 |    | 0.0010   |     | 0.0023      |
| Silver                 | mg/L      | G-04A | 04/02/2025 | ND | 0.0000   |     | 0.0006      |
| Sulfate                | mg/L      | G-04A | 04/02/2025 |    | 32.7000  |     | 309.8287    |
| Thallium               | mg/L      | G-04A | 04/02/2025 | ND | 0.0000   |     | 0.0001      |
| Total dissolved solids | mg/L      | G-04A | 04/02/2025 |    | 401.0000 | *** | 330.0000    |



Table 2

## Most Current Downgradient Monitoring Data

| Constituent            | Units     | Well   | Date       |    | Result   |     | Pred. Limit |
|------------------------|-----------|--------|------------|----|----------|-----|-------------|
| Total organic carbon   | mg/L      | G-04A  | 04/02/2025 |    | 12.4000  |     | 14.0000     |
| Vanadium               | mg/L      | G-04A  | 04/02/2025 | ND | 0.0160   |     | 0.0430      |
| Zinc                   | mg/L      | G-04A  | 04/02/2025 | ND | 0.0080   |     | 9.3244      |
| Alkalinity (as caco3)  | mg/L      | G-08D1 | 10/07/2025 |    | 166.0000 |     | 230.0000    |
| Ammonia nitrogen       | mg-N/L    | G-08D1 | 10/07/2025 |    | 0.1100   |     | 10.4717     |
| Antimony               | mg/L      | G-08D1 | 10/07/2025 | ND | 0.0001   |     | 0.0009      |
| Arsenic                | mg/L      | G-08D1 | 10/07/2025 |    | 0.0012   |     | 0.0048      |
| Barium                 | mg/L      | G-08D1 | 10/07/2025 |    | 0.0220   |     | 1.2383      |
| Beryllium              | mg/L      | G-08D1 | 10/07/2025 | ND | 0.0001   |     | 0.0005      |
| Bicarbonate            | mg/L      | G-08D1 | 10/07/2025 |    | 74.2000  |     | 231.4809    |
| Cadmium                | mg/L      | G-08D1 | 10/07/2025 | ND | 0.0001   |     | 0.0002      |
| Chemical oxygen demand | mg/L      | G-08D1 | 10/07/2025 | ND | 2.1100   |     | 18.0000     |
| Chloride               | mg/L      | G-08D1 | 10/07/2025 |    | 2.8500   |     | 18.3000     |
| Chromium               | mg/L      | G-08D1 | 10/07/2025 | ND | 0.0170   |     | 0.0415      |
| Cobalt, Total          | mg/L      | G-08D1 | 10/07/2025 |    | 0.0050   |     | 0.0070      |
| Conductivity           | umhos/cm  | G-08D1 | 10/07/2025 |    | 443.0000 |     | 500.0000    |
| Copper                 | mg/L      | G-08D1 | 10/07/2025 | ND | 0.0100   |     | 19.6182     |
| Dissolved calcium      | mg/L      | G-08D1 | 10/07/2025 |    | 0.7560   |     | 18.8130     |
| Dissolved iron         | mg/L      | G-08D1 | 10/07/2025 |    | 0.0350   |     | 0.6735      |
| Dissolved magnesium    | mg/L      | G-08D1 | 10/07/2025 |    | 0.0270   |     | 5.6454      |
| Dissolved manganese    | mg/L      | G-08D1 | 10/07/2025 | ND | 0.0070   |     | 0.0297      |
| Dissolved potassium    | mg/L      | G-08D1 | 10/07/2025 |    | 0.3250   |     | 1.5280      |
| Dissolved sodium       | mg/L      | G-08D1 | 10/07/2025 |    | 107.0000 |     | 119.1396    |
| Iron                   | mg/L      | G-08D1 | 10/07/2025 |    | 2.4900   |     | 45.8446     |
| Lead                   | mg/L      | G-08D1 | 10/07/2025 |    | 0.0009   |     | 0.0039      |
| Manganese              | mg/L      | G-08D1 | 10/07/2025 |    | 0.0390   |     | 0.4870      |
| Nickel                 | mg/L      | G-08D1 | 10/07/2025 | ND | 0.0040   |     | 15.5216     |
| Nitrate nitrogen       | mg-N/L    | G-08D1 | 10/07/2025 | ND | 0.0114   |     | 2.1335      |
| Nitrite nitrogen       | mg-N/L    | G-08D1 | 10/07/2025 |    | 0.0050   |     | 33.0535     |
| pH                     | std units | G-08D1 | 10/07/2025 |    | 8.0900   |     | 5.85 - 9.34 |
| Selenium               | mg/L      | G-08D1 | 10/07/2025 | ND | 0.0007   |     | 0.0023      |
| Silver                 | mg/L      | G-08D1 | 10/07/2025 |    | 0.0003   |     | 0.0006      |
| Sulfate                | mg/L      | G-08D1 | 10/07/2025 |    | 45.8000  |     | 309.8287    |
| Thallium               | mg/L      | G-08D1 | 10/07/2025 | ND | 0.0000   |     | 0.0001      |
| Total dissolved solids | mg/L      | G-08D1 | 10/07/2025 |    | 263.0000 |     | 330.0000    |
| Total organic carbon   | mg/L      | G-08D1 | 10/07/2025 |    | 0.9300   |     | 14.0000     |
| Vanadium               | mg/L      | G-08D1 | 10/07/2025 | ND | 0.0160   |     | 0.0430      |
| Zinc                   | mg/L      | G-08D1 | 10/07/2025 | ND | 0.0080   |     | 9.3244      |
| Alkalinity (as caco3)  | mg/L      | G-09S  | 10/08/2025 |    | 354.0000 | *** | 230.0000    |
| Ammonia nitrogen       | mg-N/L    | G-09S  | 10/08/2025 |    | 0.0060   |     | 10.4717     |
| Antimony               | mg/L      | G-09S  | 10/08/2025 | ND | 0.0001   |     | 0.0009      |
| Arsenic                | mg/L      | G-09S  | 10/08/2025 |    | 0.0007   |     | 0.0048      |
| Barium                 | mg/L      | G-09S  | 10/08/2025 |    | 0.0070   |     | 1.2383      |
| Beryllium              | mg/L      | G-09S  | 10/08/2025 | ND | 0.0001   |     | 0.0005      |
| Bicarbonate            | mg/L      | G-09S  | 10/08/2025 |    | 354.0000 | *** | 231.4809    |
| Cadmium                | mg/L      | G-09S  | 10/08/2025 | ND | 0.0001   |     | 0.0002      |
| Chemical oxygen demand | mg/L      | G-09S  | 10/08/2025 | ND | 2.1100   | **  | 18.0000     |
| Chloride               | mg/L      | G-09S  | 10/08/2025 |    | 3.8100   |     | 18.3000     |
| Chromium               | mg/L      | G-09S  | 10/08/2025 | ND | 0.0170   |     | 0.0415      |
| Cobalt, Total          | mg/L      | G-09S  | 10/08/2025 | ND | 0.0020   |     | 0.0070      |
| Conductivity           | umhos/cm  | G-09S  | 10/08/2025 |    | 948.0000 | *** | 500.0000    |
| Copper                 | mg/L      | G-09S  | 10/08/2025 | ND | 0.0100   |     | 19.6182     |
| Dissolved calcium      | mg/L      | G-09S  | 10/08/2025 |    | 76.7000  | *** | 18.8130     |
| Dissolved iron         | mg/L      | G-09S  | 10/08/2025 |    | 0.0340   |     | 0.6735      |
| Dissolved magnesium    | mg/L      | G-09S  | 10/08/2025 |    | 30.0000  | *** | 5.6454      |
| Dissolved manganese    | mg/L      | G-09S  | 10/08/2025 | ND | 0.0070   |     | 0.0297      |
| Dissolved potassium    | mg/L      | G-09S  | 10/08/2025 |    | 5.2700   | *** | 1.5280      |
| Dissolved sodium       | mg/L      | G-09S  | 10/08/2025 |    | 92.3000  |     | 119.1396    |
| Iron                   | mg/L      | G-09S  | 10/08/2025 |    | 0.3800   |     | 45.8446     |
| Lead                   | mg/L      | G-09S  | 10/08/2025 |    | 0.0004   |     | 0.0039      |
| Manganese              | mg/L      | G-09S  | 10/08/2025 |    | 0.0610   |     | 0.4870      |
| Nickel                 | mg/L      | G-09S  | 10/08/2025 | ND | 0.0040   |     | 15.5216     |
| Nitrate nitrogen       | mg-N/L    | G-09S  | 10/08/2025 |    | 0.0207   |     | 2.1335      |
| Nitrite nitrogen       | mg-N/L    | G-09S  | 10/08/2025 |    | 0.0060   |     | 33.0535     |
| pH                     | std units | G-09S  | 10/08/2025 |    | 5.5900   | *** | 5.85 - 9.34 |
| Selenium               | mg/L      | G-09S  | 10/08/2025 | ND | 0.0007   |     | 0.0023      |
| Silver                 | mg/L      | G-09S  | 10/08/2025 |    | 0.0012   | *** | 0.0006      |

Table 2

## Most Current Downgradient Monitoring Data

| Constituent            | Units     | Well  | Date       |    | Result    |     | Pred. Limit |
|------------------------|-----------|-------|------------|----|-----------|-----|-------------|
| Sulfate                | mg/L      | G-09S | 10/08/2025 |    | 161.0000  |     | 309.8287    |
| Thallium               | mg/L      | G-09S | 10/08/2025 | ND | 0.0000    |     | 0.0001      |
| Total dissolved solids | mg/L      | G-09S | 10/08/2025 |    | 582.0000  | *** | 330.0000    |
| Total organic carbon   | mg/L      | G-09S | 10/08/2025 |    | 5.2400    |     | 14.0000     |
| Vanadium               | mg/L      | G-09S | 10/08/2025 | ND | 0.0160    |     | 0.0430      |
| Zinc                   | mg/L      | G-09S | 10/08/2025 | ND | 0.0080    |     | 9.3244      |
| Alkalinity (as caco3)  | mg/L      | G-10S | 10/08/2025 |    | 439.0000  | *** | 230.0000    |
| Ammonia nitrogen       | mg-N/L    | G-10S | 10/08/2025 |    | 0.2360    |     | 10.4717     |
| Antimony               | mg/L      | G-10S | 10/08/2025 | ND | 0.0001    |     | 0.0009      |
| Arsenic                | mg/L      | G-10S | 10/08/2025 |    | 0.0078    | *** | 0.0048      |
| Barium                 | mg/L      | G-10S | 10/08/2025 |    | 0.0060    |     | 1.2383      |
| Beryllium              | mg/L      | G-10S | 10/08/2025 | ND | 0.0001    |     | 0.0005      |
| Bicarbonate            | mg/L      | G-10S | 10/08/2025 |    | 439.0000  | *** | 231.4809    |
| Cadmium                | mg/L      | G-10S | 10/08/2025 | ND | 0.0001    |     | 0.0002      |
| Chemical oxygen demand | mg/L      | G-10S | 10/08/2025 |    | 11.3000   |     | 18.0000     |
| Chloride               | mg/L      | G-10S | 10/08/2025 |    | 6.9700    |     | 18.3000     |
| Chromium               | mg/L      | G-10S | 10/08/2025 | ND | 0.0170    |     | 0.0415      |
| Cobalt, Total          | mg/L      | G-10S | 10/08/2025 | ND | 0.0020    |     | 0.0070      |
| Conductivity           | umhos/cm  | G-10S | 10/08/2025 |    | 1240.0000 | *** | 500.0000    |
| Copper                 | mg/L      | G-10S | 10/08/2025 | ND | 0.0100    |     | 19.6182     |
| Dissolved calcium      | mg/L      | G-10S | 10/08/2025 |    | 82.3000   | *** | 18.8130     |
| Dissolved iron         | mg/L      | G-10S | 10/08/2025 |    | 1.4800    | *   | 0.6735      |
| Dissolved magnesium    | mg/L      | G-10S | 10/08/2025 |    | 20.8000   | *** | 5.6454      |
| Dissolved manganese    | mg/L      | G-10S | 10/08/2025 |    | 2.6700    | *** | 0.0297      |
| Dissolved potassium    | mg/L      | G-10S | 10/08/2025 |    | 3.7300    | *** | 1.5280      |
| Dissolved sodium       | mg/L      | G-10S | 10/08/2025 |    | 163.0000  | *** | 119.1396    |
| Iron                   | mg/L      | G-10S | 10/08/2025 |    | 7.3500    |     | 45.8446     |
| Lead                   | mg/L      | G-10S | 10/08/2025 | ND | 0.0001    |     | 0.0039      |
| Manganese              | mg/L      | G-10S | 10/08/2025 |    | 2.7300    | *** | 0.4870      |
| Nickel                 | mg/L      | G-10S | 10/08/2025 | ND | 0.0040    |     | 15.5216     |
| Nitrate nitrogen       | mg-N/L    | G-10S | 10/08/2025 | ND | 0.0114    |     | 2.1335      |
| Nitrite nitrogen       | mg-N/L    | G-10S | 10/08/2025 |    | 0.0030    |     | 33.0535     |
| pH                     | std units | G-10S | 10/08/2025 |    | 6.0500    |     | 5.85 - 9.34 |
| Selenium               | mg/L      | G-10S | 10/08/2025 | ND | 0.0007    |     | 0.0023      |
| Silver                 | mg/L      | G-10S | 10/08/2025 | ND | 0.0000    |     | 0.0006      |
| Sulfate                | mg/L      | G-10S | 10/08/2025 |    | 208.0000  |     | 309.8287    |
| Thallium               | mg/L      | G-10S | 10/08/2025 | ND | 0.0000    |     | 0.0001      |
| Total dissolved solids | mg/L      | G-10S | 10/08/2025 |    | 771.0000  | *** | 330.0000    |
| Total organic carbon   | mg/L      | G-10S | 10/08/2025 |    | 4.6200    |     | 14.0000     |
| Vanadium               | mg/L      | G-10S | 10/08/2025 | ND | 0.0160    |     | 0.0430      |
| Zinc                   | mg/L      | G-10S | 10/08/2025 | ND | 0.0080    |     | 9.3244      |
| Alkalinity (as caco3)  | mg/L      | G-11S | 10/08/2025 |    | 78.0000   |     | 230.0000    |
| Ammonia nitrogen       | mg-N/L    | G-11S | 10/08/2025 | ND | 0.0050    |     | 10.4717     |
| Antimony               | mg/L      | G-11S | 10/08/2025 | ND | 0.0001    |     | 0.0009      |
| Arsenic                | mg/L      | G-11S | 10/08/2025 |    | 0.0005    |     | 0.0048      |
| Barium                 | mg/L      | G-11S | 10/08/2025 |    | 0.0050    |     | 1.2383      |
| Beryllium              | mg/L      | G-11S | 10/08/2025 | ND | 0.0001    |     | 0.0005      |
| Bicarbonate            | mg/L      | G-11S | 10/08/2025 |    | 78.0000   |     | 231.4809    |
| Cadmium                | mg/L      | G-11S | 10/08/2025 | ND | 0.0001    |     | 0.0002      |
| Chemical oxygen demand | mg/L      | G-11S | 10/08/2025 | ND | 2.1100    |     | 18.0000     |
| Chloride               | mg/L      | G-11S | 10/08/2025 |    | 10.9000   |     | 18.3000     |
| Chromium               | mg/L      | G-11S | 10/08/2025 | ND | 0.0170    |     | 0.0415      |
| Cobalt, Total          | mg/L      | G-11S | 10/08/2025 |    | 0.0180    | *   | 0.0070      |
| Conductivity           | umhos/cm  | G-11S | 10/08/2025 |    | 248.0000  |     | 500.0000    |
| Copper                 | mg/L      | G-11S | 10/08/2025 | ND | 0.0100    |     | 19.6182     |
| Dissolved calcium      | mg/L      | G-11S | 10/08/2025 |    | 9.3900    |     | 18.8130     |
| Dissolved iron         | mg/L      | G-11S | 10/08/2025 |    | 0.0690    |     | 0.6735      |
| Dissolved magnesium    | mg/L      | G-11S | 10/08/2025 |    | 2.0900    |     | 5.6454      |
| Dissolved manganese    | mg/L      | G-11S | 10/08/2025 |    | 0.0620    | *** | 0.0297      |
| Dissolved potassium    | mg/L      | G-11S | 10/08/2025 |    | 0.9630    |     | 1.5280      |
| Dissolved sodium       | mg/L      | G-11S | 10/08/2025 |    | 37.7000   |     | 119.1396    |
| Iron                   | mg/L      | G-11S | 10/08/2025 |    | 0.1660    |     | 45.8446     |
| Lead                   | mg/L      | G-11S | 10/08/2025 |    | 0.0002    |     | 0.0039      |
| Manganese              | mg/L      | G-11S | 10/08/2025 |    | 2.0700    | *** | 0.4870      |
| Nickel                 | mg/L      | G-11S | 10/08/2025 | ND | 0.0040    |     | 15.5216     |
| Nitrate nitrogen       | mg-N/L    | G-11S | 10/08/2025 |    | 0.0431    |     | 2.1335      |
| Nitrite nitrogen       | mg-N/L    | G-11S | 10/08/2025 |    | 0.0040    |     | 33.0535     |

**Table 2****Most Current Downgradient Monitoring Data**

| Constituent            | Units     | Well  | Date       |    | Result   |   | Pred. Limit |
|------------------------|-----------|-------|------------|----|----------|---|-------------|
| pH                     | std units | G-11S | 10/08/2025 |    | 5.7900   | * | 5.85 - 9.34 |
| Selenium               | mg/L      | G-11S | 10/08/2025 | ND | 0.0007   |   | 0.0023      |
| Silver                 | mg/L      | G-11S | 10/08/2025 | ND | 0.0000   |   | 0.0006      |
| Sulfate                | mg/L      | G-11S | 10/08/2025 |    | 25.5000  |   | 309.8287    |
| Thallium               | mg/L      | G-11S | 10/08/2025 | ND | 0.0000   |   | 0.0001      |
| Total dissolved solids | mg/L      | G-11S | 10/08/2025 |    | 128.0000 |   | 330.0000    |
| Total organic carbon   | mg/L      | G-11S | 10/08/2025 |    | 2.1100   |   | 14.0000     |
| Vanadium               | mg/L      | G-11S | 10/08/2025 | ND | 0.0160   |   | 0.0430      |
| Zinc                   | mg/L      | G-11S | 10/08/2025 | ND | 0.0080   |   | 9.3244      |

\* - Current value failed - awaiting verification.

\*\* - Current value passed - previous exceedance not verified.

\*\*\* - Current value failed - exceedance verified.

\*\*\*\* - Current value passed - awaiting one more verification.

\*\*\*\*\* - Insufficient background data to compute prediction limit.

ND = Not Detected, Result = detection limit.

Table 5

## Summary Statistics and Prediction Limits

| Constituent            | Units     | Detect | N  | Mean     | SD      | alpha  | Factor | Pred Limit | Type   |     | Conf |
|------------------------|-----------|--------|----|----------|---------|--------|--------|------------|--------|-----|------|
| Alkalinity (as caco3)  | mg/L      | 53     | 53 |          |         |        |        | 230.0000   | nonpar |     | 0.99 |
| Ammonia nitrogen       | mg-N/L    | 33     | 53 | -2.3225  | 1.9281  | 0.0100 | 2.4227 | 10.4717    | lognor |     |      |
| Antimony               | mg/L      | 6      | 52 |          |         |        |        | 0.0009     | nonpar |     | 0.99 |
| Arsenic                | mg/L      | 52     | 52 | 0.0016   | 0.0013  | 0.0100 | 2.4246 | 0.0048     | normal |     |      |
| Barium                 | mg/L      | 47     | 53 | -3.7134  | 1.6210  | 0.0100 | 2.4227 | 1.2383     | lognor |     |      |
| Beryllium              | mg/L      | 2      | 53 |          |         |        |        | 0.0005     | nonpar | *** | 0.99 |
| Bicarbonate            | mg/L      | 53     | 53 | 146.1132 | 35.2364 | 0.0100 | 2.4227 | 231.4809   | normal |     |      |
| Cadmium                | mg/L      | 15     | 51 |          |         |        |        | 0.0002     | nonpar |     | 0.99 |
| Chemical oxygen demand | mg/L      | 3      | 47 |          |         |        |        | 18.0000    | nonpar |     | 0.99 |
| Chloride               | mg/L      | 53     | 53 |          |         |        |        | 18.3000    | nonpar |     | 0.99 |
| Chromium               | mg/L      | 34     | 53 | 0.0113   | 0.0125  | 0.0100 | 2.4227 | 0.0415     | normal |     |      |
| Cobalt, Total          | mg/L      | 4      | 48 |          |         |        |        | 0.0070     | nonpar |     | 0.99 |
| Conductivity           | umhos/cm  | 52     | 52 |          |         |        |        | 500.0000   | nonpar |     | 0.99 |
| Copper                 | mg/L      | 29     | 53 | -2.2886  | 2.1732  | 0.0100 | 2.4227 | 19.6182    | lognor |     |      |
| Dissolved calcium      | mg/L      | 50     | 50 | 5.7467   | 5.3798  | 0.0100 | 2.4288 | 18.8130    | normal |     |      |
| Dissolved iron         | mg/L      | 31     | 53 | 0.1186   | 0.2290  | 0.0100 | 2.4227 | 0.6735     | normal |     |      |
| Dissolved magnesium    | mg/L      | 37     | 51 | 1.6069   | 1.6642  | 0.0100 | 2.4267 | 5.6454     | normal |     |      |
| Dissolved manganese    | mg/L      | 27     | 52 | 0.0066   | 0.0095  | 0.0100 | 2.4246 | 0.0297     | normal |     |      |
| Dissolved potassium    | mg/L      | 36     | 49 | 0.4978   | 0.4238  | 0.0100 | 2.4310 | 1.5280     | normal |     |      |
| Dissolved sodium       | mg/L      | 53     | 53 | 90.0057  | 12.0253 | 0.0100 | 2.4227 | 119.1396   | normal |     |      |
| Iron                   | mg/L      | 51     | 51 | 0.3358   | 1.4379  | 0.0100 | 2.4267 | 45.8446    | lognor |     |      |
| Lead                   | mg/L      | 47     | 53 |          |         |        |        | 0.0039     | nonpar |     | 0.99 |
| Manganese              | mg/L      | 50     | 51 |          |         |        |        | 0.4870     | nonpar |     | 0.99 |
| Nickel                 | mg/L      | 31     | 52 | -2.5304  | 2.1746  | 0.0100 | 2.4246 | 15.5216    | lognor |     |      |
| Nitrate nitrogen       | mg-N/L    | 45     | 53 | -2.3776  | 1.2941  | 0.0100 | 2.4227 | 2.1335     | lognor |     |      |
| Nitrite nitrogen       | mg-N/L    | 31     | 53 | -3.0263  | 2.6930  | 0.0100 | 2.4227 | 33.0535    | lognor |     |      |
| pH                     | std units | 53     | 53 |          |         |        |        | 5.85- 9.34 | nonpar |     | 0.99 |
| Selenium               | mg/L      | 5      | 53 |          |         |        |        | 0.0023     | nonpar |     | 0.99 |
| Silver                 | mg/L      | 4      | 53 |          |         |        |        | 0.0006     | nonpar |     | 0.99 |
| Sulfate                | mg/L      | 52     | 52 | 3.5039   | 0.9206  | 0.0100 | 2.4246 | 309.8287   | lognor |     |      |
| Thallium               | mg/L      | 11     | 53 |          |         |        |        | 0.0001     | nonpar |     | 0.99 |
| Total dissolved solids | mg/L      | 53     | 53 |          |         |        |        | 330.0000   | nonpar |     | 0.99 |
| Total organic carbon   | mg/L      | 48     | 53 |          |         |        |        | 14.0000    | nonpar |     | 0.99 |
| Vanadium               | mg/L      | 10     | 52 |          |         |        |        | 0.0430     | nonpar |     | 0.99 |
| Zinc                   | mg/L      | 36     | 53 | -2.9953  | 2.1579  | 0.0100 | 2.4227 | 9.3244     | lognor |     |      |

Conf = confidence level for passing initial test or one of two verification resamples at all downgradient wells for a single constituent (nonparametric test only).

\* - Insufficient Data.

\*\* - Calculated limit raised to Manual Reporting Limit.

\*\*\* - Nonparametric limit based on ND value.

For transformed data, mean and SD in transformed units and prediction limit in original units.

All sample sizes and statistics are based on outlier free data.

For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.



# Deep Wells

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**Groundwater Analytical Summary - Deep Wells: First Quarter 2025**  
**Cathcart Landfill, Snohomish County, WA**

|                                                          | Statistical Method | Number of Samples | Number of Detects | Prediction Limit | Primary GW Stds 173-200 | G-09D   |   |   |    |    | G-10D   |   |   |    |    |
|----------------------------------------------------------|--------------------|-------------------|-------------------|------------------|-------------------------|---------|---|---|----|----|---------|---|---|----|----|
|                                                          |                    |                   |                   |                  |                         | 1/14/25 | D | V | Tr | Ch | 1/14/25 | D | V | Tr | Ch |
|                                                          |                    |                   |                   |                  |                         |         |   |   |    |    |         |   |   |    |    |
| CONVENTIONAL CHEMISTRY PARAMETERS (mg/L)                 |                    |                   |                   |                  |                         |         |   |   |    |    |         |   |   |    |    |
| Alkalinity (as CaCO3)                                    | nonpar             | 54                | 54                | 280              | --                      | 199     |   | P |    |    | 507     |   | V |    | Y  |
| Ammonia Nitrogen                                         | lognor             | 52                | 52                | 0.2465           | --                      | 0.161   |   |   |    |    | 0.328   |   | V |    |    |
| Bicarbonate                                              | nonpar             | 54                | 54                | 280              | --                      | 127     |   | P |    |    | 507     |   | V |    | Y  |
| Calcium, Dissolved                                       | nonpar             | 49                | 49                | 1.59             | --                      | 1.38    |   | P |    |    | 16.6    |   | V | D  | N  |
| Chemical Oxygen Demand                                   | nonpar             | 54                | 9                 | 28               | --                      | 10      | U |   |    |    | 10      | U |   |    |    |
| Chloride                                                 | nonpar             | 53                | 53                | 6.86             | 250                     | 4.85    |   |   | D  | Y  | 16.6    |   | V | D  | N  |
| Conductivity (umhos/cm)                                  | nonpar             | 54                | 54                | 530              | 700                     | 637     |   | V |    |    | 1450    |   | E |    |    |
| Magnesium, Dissolved                                     | nonpar             | 53                | 31                | 2.33             | --                      | 0.05    | U | P |    |    | 1.37    |   |   | D  | N  |
| Nitrate Nitrogen (mg-N/L)                                | nonpar             | 53                | 17                | 0.28             | 10                      | 0.226   |   |   |    |    | 0.02    | U |   |    |    |
| Nitrite Nitrogen (mg-N/L)                                | nonpar             | 54                | 24                | 0.065            | 1                       | 0.004   |   |   |    |    | 0.004   |   |   |    |    |
| pH (std units)                                           | nonpar             | 54                | 54                | 7.42-9.88        | 6.5-8.5                 | 8.62    |   |   |    |    | 6.63    |   | V |    |    |
| Potassium, Dissolved                                     | lognor             | 54                | 34                | 1.45             | --                      | 0.503   |   | P |    |    | 1.68    |   | E |    |    |
| Sodium, Dissolved                                        | normal             | 54                | 54                | 137.2145         | 20                      | 149     |   | E |    |    | 314     |   | V |    |    |
| Sulfate                                                  | nonpar             | 52                | 52                | 66.05            | 250                     | 108     |   | E |    |    | 250     |   | V | D  | N  |
| Total Dissolved Solids                                   | nonpar             | 54                | 54                | 355              | 500                     | 377     |   | V |    |    | 930     |   | V |    |    |
| Total Organic Carbon                                     | nonpar             | 52                | 52                | 25               | --                      | 2.1     |   |   |    |    | 3.7     |   |   |    |    |
| TOTAL METALS EPA Methods 200.7/200.8 (µg/L)              |                    |                   |                   |                  |                         |         |   |   |    |    |         |   |   |    |    |
| Antimony                                                 | nonpar             | 49                | 5                 | 0.8              | 6                       | 0.3     | U |   |    |    | 0.3     | U |   |    |    |
| Arsenic                                                  | lognor             | 51                | 39                | 11674.9          | 0.05                    | 2.441   |   |   | D  | N  | 1.441   |   |   |    |    |
| Barium                                                   | normal             | 50                | 29                | 43               | 1000                    | 10      | U |   |    |    | 10      | U |   |    |    |
| Beryllium                                                | nonpar             | 51                | 2                 | 0.5              | 4                       | 0.3     | U |   |    |    | 0.3     | U |   |    |    |
| Cadmium                                                  | nonpar             | 50                | 8                 | 0.3              | 5                       | 0.1     | U |   |    |    | 0.1     | U |   |    |    |
| Chromium                                                 | nonpar             | 51                | 17                | 49               | 50                      | 20      | U |   |    |    | 44      |   |   |    |    |
| Cobalt                                                   | nonpar             | 48                | 3                 | 5                | --                      | 10      | U |   |    |    | 10      | U |   |    |    |
| Copper                                                   | nonpar             | 49                | 11                | 15               | 1000                    | 10      | U |   |    |    | 10      | U |   |    |    |
| Iron                                                     | lognor             | 48                | 44                | 106935           | 300                     | 1880    |   |   |    |    | 372     |   |   | D  | N  |
| Lead                                                     | nonpar             | 51                | 25                | 1.9              | 50                      | 1.689   |   |   |    |    | 0.2     | U |   |    |    |
| Manganese                                                | nonpar             | 51                | 41                | 152              | 50                      | 90      |   |   |    |    | 270     |   | V | D  | N  |
| Nickel                                                   | nonpar             | 50                | 13                | 91               | 100                     | 62      |   |   |    |    | 58      |   |   |    |    |
| Selenium                                                 | nonpar             | 51                | 11                | 2.3              | 10                      | 1       | U |   |    |    | 1       | U |   |    |    |
| Silver                                                   | nonpar             | 51                | 4                 | 0.6              | 50                      | 0.2     | U | P |    |    | 0.2     | U |   |    |    |
| Thallium                                                 | nonpar             | 51                | 8                 | 0.1              | 2                       | 0.1     | U |   |    |    | 0.1     | U |   |    |    |
| Vanadium                                                 | nonpar             | 50                | 12                | 43               | --                      | 55      |   |   |    |    | 86      |   | E |    |    |
| Zinc                                                     | nonpar             | 51                | 21                | 38               | 5000                    | 10      | U |   |    |    | 10      | U |   |    |    |
| DISSOLVED METALS EPA Methods 200.7/200.8 (µg/L)          |                    |                   |                   |                  |                         |         |   |   |    |    |         |   |   |    |    |
| Antimony                                                 | --                 | --                | --                | --               | 6                       | 0.118   |   |   |    |    | 0.1     | U |   |    |    |
| Arsenic                                                  | --                 | --                | --                | --               | 0.05                    | 3.138   |   |   |    |    | 1.463   |   |   |    |    |
| Barium                                                   | --                 | --                | --                | --               | 1000                    | 10      | U |   |    |    | 10      | U |   |    |    |
| Beryllium                                                | --                 | --                | --                | --               | 4                       | 0.2     | U |   |    |    | 0.2     | U |   |    |    |
| Cadmium                                                  | --                 | --                | --                | --               | 5                       | 0.05    | U |   |    |    | 0.05    | U |   |    |    |
| Chromium                                                 | --                 | --                | --                | --               | 50                      | 20      | U |   |    |    | 20      | U |   |    |    |
| Cobalt                                                   | --                 | --                | --                | --               | --                      | 10      | U |   |    |    | 10      | U |   |    |    |
| Copper                                                   | --                 | --                | --                | --               | 1000                    | 20      | U |   |    |    | 20      | U |   |    |    |
| Iron                                                     | nonpar             | 55                | 27                | 871              | 300                     | 30      | U |   |    |    | 284     |   |   | D  | N  |
| Lead                                                     | --                 | --                | --                | --               | 50                      | 0.2     | U |   |    |    | 0.2     | U |   |    |    |
| Manganese                                                | nonpar             | 54                | 28                | 19               | 50                      | 21      |   | P |    |    | 270     |   | V | D  | N  |
| Nickel                                                   | --                 | --                | --                | --               | 100                     | 10      | U |   |    |    | 55      |   |   |    |    |
| Selenium                                                 | --                 | --                | --                | --               | 10                      | 0.5     | U |   |    |    | 0.874   |   |   |    |    |
| Silver                                                   | --                 | --                | --                | --               | 50                      | 0.2     | U |   |    |    | 0.2     | U |   |    |    |
| Thallium                                                 | --                 | --                | --                | --               | 2                       | 0.05    | U |   |    |    | 0.05    | U |   |    |    |
| Vanadium                                                 | --                 | --                | --                | --               | --                      | 20      | U |   |    |    | 20      | U |   |    |    |
| Zinc                                                     | --                 | --                | --                | --               | 5000                    | 20      | U |   |    |    | 20      | U |   |    |    |
| VOLATILE ORGANIC COMPOUNDS (VOCs) EPA Method 8260 (µg/L) |                    |                   |                   |                  |                         |         |   |   |    |    |         |   |   |    |    |
| 1,1,1-Trichloroethane                                    | --                 | --                | --                | --               | 200                     | 1       | U |   |    |    | 1       | U |   |    |    |
| 1,1,2,2-Tetrachloroethane                                | --                 | --                | --                | --               | --                      | 1       | U |   |    |    | 1       | U |   |    |    |
| 1,1,2-Trichloroethane                                    | --                 | --                | --                | --               | --                      | 2       | U |   |    |    | 2       | U |   |    |    |
| 1,1-Dichloroethane                                       | --                 | --                | --                | --               | 1                       | 1       | U |   |    |    | 1       | U |   |    |    |

**Groundwater Analytical Summary - Deep Wells: First Quarter 2025**  
**Cathcart Landfill, Snohomish County, WA**

|                                                                  | Statistical Method | Number of Samples | Number of Detects | Prediction Limit | Primary GW Stds 173-200 |         |   |   |    |    |         |   |   |    |    |
|------------------------------------------------------------------|--------------------|-------------------|-------------------|------------------|-------------------------|---------|---|---|----|----|---------|---|---|----|----|
|                                                                  |                    |                   |                   |                  |                         | G-09D   |   |   |    |    | G-10D   |   |   |    |    |
|                                                                  |                    |                   |                   |                  |                         | 1/14/25 | D | V | Tr | Ch | 1/14/25 | D | V | Tr | Ch |
| VOLATILE ORGANIC COMPOUNDS (VOCs) EPA Method 8260 (µg/L) (cont.) |                    |                   |                   |                  |                         |         |   |   |    |    |         |   |   |    |    |
| 1,1-Dichloroethylene                                             | --                 | --                | --                | --               | --                      | 1       | U |   |    |    | 1       | U |   |    |    |
| 1,2,3-Trichloropropane                                           | --                 | --                | --                | --               | --                      | 1       | U |   |    |    | 1       | U |   |    |    |
| 1,2-Dibromo-3-chloropropane                                      | --                 | --                | --                | --               | 0.2                     | 0.03    | U |   |    |    | 0.03    | U |   |    |    |
| 1,2-Dibromoethane                                                | --                 | --                | --                | --               | 0.001                   | 0.01    | U |   |    |    | 0.01    | U |   |    |    |
| 1,2-Dichlorobenzene                                              | --                 | --                | --                | --               | --                      | 1       | U |   |    |    | 1       | U |   |    |    |
| 1,2-Dichloroethane                                               | --                 | --                | --                | --               | 0.5                     | 0.03    | U |   |    |    | 0.03    | U |   |    |    |
| 1,2-Dichloropropane                                              | --                 | --                | --                | --               | 0.6                     | 0.11    |   |   |    |    | 0.02    | U |   |    |    |
| 1,4-Dichlorobenzene                                              | --                 | --                | --                | --               | 4                       | 1       | U |   |    |    | 1       | U |   |    |    |
| 2-Butanone                                                       | --                 | --                | --                | --               | --                      | 5       | U |   |    |    | 5       | U |   |    |    |
| 2-Hexanone                                                       | --                 | --                | --                | --               | --                      | 2       | U |   |    |    | 2       | U |   |    |    |
| 4-Methyl-2-Pentanone (MIBK)                                      | --                 | --                | --                | --               | --                      | 3       | U |   |    |    | 3       | U |   |    |    |
| Acetone                                                          | --                 | --                | --                | --               | --                      | 5       | U |   |    |    | 5       | U |   |    |    |
| Acrylonitrile                                                    | --                 | --                | --                | --               | 0.07                    | 0.05    | U |   |    |    | 0.05    | U |   |    |    |
| Benzene                                                          | --                 | --                | --                | --               | 1                       | 0.1     | U |   |    |    | 0.1     | U |   |    |    |
| Bromodichloromethane                                             | --                 | --                | --                | --               | 0.3                     | 0.02    | U |   |    |    | 0.02    | U |   |    |    |
| Bromoform                                                        | --                 | --                | --                | --               | 5                       | 2       | U |   |    |    | 2       | U |   |    |    |
| Bromomethane                                                     | --                 | --                | --                | --               | --                      | 2       | U |   |    |    | 2       | U |   |    |    |
| Carbon Disulfide                                                 | --                 | --                | --                | --               | --                      | 3       | U |   |    |    | 3       | U |   |    |    |
| Carbon Tetrachloride                                             | --                 | --                | --                | --               | 0.3                     | 0.02    | U |   |    |    | 0.02    | U |   |    |    |
| Chlorobenzene                                                    | --                 | --                | --                | --               | --                      | 0.03    | U |   |    |    | 0.03    | U |   |    |    |
| Chlorodibromomethane                                             | --                 | --                | --                | --               | 0.5                     | 0.1     | U |   |    |    | 0.1     | U |   |    |    |
| Chloroethane                                                     | --                 | --                | --                | --               | --                      | 0.02    | U |   |    |    | 0.02    | U |   |    |    |
| Chloroform                                                       | --                 | --                | --                | --               | 7                       | 1       | U |   |    |    | 1       | U |   |    |    |
| Chloromethane                                                    | --                 | --                | --                | --               | --                      | 0.1     | U |   |    |    | 0.1     | U |   |    |    |
| cis-1,2-Dichloroethene                                           | --                 | --                | --                | --               | --                      | 0.13    |   |   |    |    | 0.14    |   |   |    |    |
| cis-1,3-Dichloropropene                                          | --                 | --                | --                | --               | 0.2                     | 0.03    | U |   |    |    | 0.03    | U |   |    |    |
| Dibromomethane                                                   | --                 | --                | --                | --               | --                      | 0.02    | U |   |    |    | 0.02    | U |   |    |    |
| Ethyl Benzene                                                    | --                 | --                | --                | --               | --                      | 1       | U |   |    |    | 1       | U |   |    |    |
| m,p-Xylene                                                       | --                 | --                | --                | --               | --                      | 5       | U |   |    |    | 5       | U |   |    |    |
| Methyl Iodide                                                    | --                 | --                | --                | --               | --                      | 3       | U |   |    |    | 3       | U |   |    |    |
| Methylene Chloride                                               | --                 | --                | --                | --               | 5                       | 3       | U |   |    |    | 3       | U |   |    |    |
| o-Xylene                                                         | --                 | --                | --                | --               | --                      | 1.5     | U |   |    |    | 1.5     | U |   |    |    |
| Styrene                                                          | --                 | --                | --                | --               | --                      | 2       | U |   |    |    | 2       | U |   |    |    |
| Tetrachloroethylene                                              | --                 | --                | --                | --               | 0.8                     | 0.03    | U |   |    |    | 0.03    | U |   |    |    |
| Toluene                                                          | --                 | --                | --                | --               | --                      | 2       | U |   |    |    | 2       | U |   |    |    |
| trans-1,2-Dichloroethene                                         | --                 | --                | --                | --               | --                      | 1       | U |   |    |    | 1       | U |   |    |    |
| trans-1,3-Dichloropropene                                        | --                 | --                | --                | --               | 0.2                     | 0.03    | U |   |    |    | 0.03    | U |   |    |    |
| trans-1,4-Dichloro-2-butene                                      | --                 | --                | --                | --               | --                      | 2       | U |   |    |    | 2       | U |   |    |    |
| Trichlorethene (1,1,2-Trichloroe                                 | --                 | --                | --                | --               | 3                       | 2       | U |   |    |    | 2       | U |   |    |    |
| Trichlorofluoromethane                                           | --                 | --                | --                | --               | --                      | 2       | U |   |    |    | 2       | U |   |    |    |
| Vinyl Acetate                                                    | --                 | --                | --                | --               | --                      | 3       | U |   |    |    | 3       | U |   |    |    |
| Vinyl Chloride                                                   | --                 | --                | --                | --               | 0.02                    | 0.49    |   |   |    |    | 0.01    | U |   |    |    |

D: U = Indicates compound was not detected at the given reporting limit; X indicates that the compound was detected in the trip blank and contamination is suspected.

V: E= Exceedance, waiting verification based on subsequent lab data; V= Exceedance verified based on previous lab data; P=Passed, previous exceedance not verified based on current lab data.

Tr: I=increasing Trend, D=Decreasing Trend;

Ch: Y indicates a change in trend from previous quarter; N means no change in trend.

Values in **purple** exceed the prediction limit; **pink** indicates that a value exceeded the Groundwater Standards

The groundwater standards listed are based on the Washington Administrative Code (WAC) 173-200 groundwater limits as modified by the TMS 91-11 standards.

B = Methylene chloride was measured in the lab blank at a similar concentration - contamination during analysis suspected.

Table 2

## Most Current Downgradient Monitoring Data

| Constituent            | Units     | Well  | Date       |    | Result   |     | Pred. Limit |
|------------------------|-----------|-------|------------|----|----------|-----|-------------|
| Alkalinity (as caco3)  | mg/L      | G-01D | 10/01/2024 |    | 230.0000 |     | 280.0000    |
| Ammonia nitrogen       | mg-N/L    | G-01D | 10/01/2024 |    | 0.1530   |     | 0.2490      |
| Antimony               | mg/L      | G-01D | 10/01/2024 | ND | 0.0002   |     | 0.0008      |
| Arsenic                | mg/L      | G-01D | 10/01/2024 |    | 0.0010   |     | 9.6282      |
| Barium                 | mg/L      | G-01D | 10/01/2024 |    | 0.0140   |     | 0.0439      |
| Beryllium              | mg/L      | G-01D | 10/01/2024 | ND | 0.0001   |     | 0.0005      |
| Bicarbonate            | mg/L      | G-01D | 10/01/2024 |    | 130.0000 |     | 280.0000    |
| Cadmium                | mg/L      | G-01D | 10/01/2024 | ND | 0.0000   |     | 0.0003      |
| Chemical oxygen demand | mg/L      | G-01D | 10/01/2024 | ND | 2.1100   |     | 28.0000     |
| Chloride               | mg/L      | G-01D | 10/01/2024 |    | 7.6700   | *   | 6.6000      |
| Chromium               | mg/L      | G-01D | 10/01/2024 | ND | 0.0150   |     | 0.0490      |
| Cobalt, Total          | mg/L      | G-01D | 10/01/2024 | ND | 0.0040   |     | 0.0050      |
| Conductivity           | umhos/cm  | G-01D | 10/01/2024 |    | 567.0000 | *** | 530.0000    |
| Copper                 | mg/L      | G-01D | 10/01/2024 | ND | 0.0070   | **  | 0.0150      |
| Dissolved calcium      | mg/L      | G-01D | 10/01/2024 |    | 0.5370   |     | 1.5900      |
| Dissolved iron         | mg/L      | G-01D | 10/01/2024 | ND | 0.0230   |     | 0.8710      |
| Dissolved magnesium    | mg/L      | G-01D | 10/01/2024 | ND | 0.0240   |     | 2.3300      |
| Dissolved manganese    | mg/L      | G-01D | 10/01/2024 | ND | 0.0060   |     | 0.0190      |
| Dissolved potassium    | mg/L      | G-01D | 10/01/2024 | ND | 0.4350   |     | 3.0602      |
| Dissolved sodium       | mg/L      | G-01D | 10/01/2024 |    | 118.0000 |     | 137.4934    |
| Iron                   | mg/L      | G-01D | 10/01/2024 |    | 1.8500   |     | 107.9130    |
| Lead                   | mg/L      | G-01D | 10/01/2024 |    | 0.0006   |     | 0.0019      |
| Manganese              | mg/L      | G-01D | 10/01/2024 |    | 0.0320   |     | 0.1520      |
| Nickel                 | mg/L      | G-01D | 10/01/2024 | ND | 0.0080   |     | 0.0910      |
| Nitrate nitrogen       | mg-N/L    | G-01D | 10/01/2024 | ND | 0.0000   |     | 0.2800      |
| Nitrite nitrogen       | mg-N/L    | G-01D | 10/01/2024 |    | 0.0030   |     | 0.0650      |
| pH                     | std units | G-01D | 10/01/2024 |    | 8.8100   |     | 7.85 - 9.88 |
| Silver                 | mg/L      | G-01D | 10/01/2024 | ND | 0.0002   |     | 0.0006      |
| Sulfate                | mg/L      | G-01D | 10/01/2024 |    | 48.6000  |     | 220.0831    |
| Thallium               | mg/L      | G-01D | 10/01/2024 | ND | 0.0000   |     | 0.0001      |
| Total dissolved solids | mg/L      | G-01D | 10/01/2024 |    | 344.0000 |     | 355.0000    |
| Total organic carbon   | mg/L      | G-01D | 10/01/2024 |    | 1.8000   |     | 6.3173      |
| Vanadium               | mg/L      | G-01D | 10/01/2024 | ND | 0.0130   |     | 0.0430      |
| Zinc                   | mg/L      | G-01D | 10/01/2024 | ND | 0.0110   |     | 0.0380      |
| Alkalinity (as caco3)  | mg/L      | G-02D | 10/01/2024 |    | 112.0000 |     | 280.0000    |
| Ammonia nitrogen       | mg-N/L    | G-02D | 10/01/2024 |    | 0.2810   | *   | 0.2490      |
| Antimony               | mg/L      | G-02D | 10/01/2024 | ND | 0.0002   |     | 0.0008      |
| Arsenic                | mg/L      | G-02D | 10/01/2024 |    | 0.0034   |     | 9.6282      |
| Barium                 | mg/L      | G-02D | 10/01/2024 |    | 0.0140   |     | 0.0439      |
| Beryllium              | mg/L      | G-02D | 10/01/2024 | ND | 0.0001   |     | 0.0005      |
| Bicarbonate            | mg/L      | G-02D | 10/01/2024 |    | 112.0000 |     | 280.0000    |
| Cadmium                | mg/L      | G-02D | 10/01/2024 | ND | 0.0000   |     | 0.0003      |
| Chemical oxygen demand | mg/L      | G-02D | 10/01/2024 | ND | 2.1100   |     | 28.0000     |
| Chloride               | mg/L      | G-02D | 10/01/2024 |    | 6.0400   |     | 6.6000      |
| Chromium               | mg/L      | G-02D | 10/01/2024 | ND | 0.0150   |     | 0.0490      |
| Cobalt, Total          | mg/L      | G-02D | 10/01/2024 | ND | 0.0040   |     | 0.0050      |
| Conductivity           | umhos/cm  | G-02D | 10/01/2024 |    | 368.0000 |     | 530.0000    |
| Copper                 | mg/L      | G-02D | 10/01/2024 |    | 0.0630   | *   | 0.0150      |
| Dissolved calcium      | mg/L      | G-02D | 10/01/2024 |    | 0.3710   |     | 1.5900      |
| Dissolved iron         | mg/L      | G-02D | 10/01/2024 |    | 0.1160   |     | 0.8710      |
| Dissolved magnesium    | mg/L      | G-02D | 10/01/2024 |    | 0.0510   |     | 2.3300      |
| Dissolved manganese    | mg/L      | G-02D | 10/01/2024 |    | 0.0140   |     | 0.0190      |
| Dissolved potassium    | mg/L      | G-02D | 10/01/2024 | ND | 0.4350   |     | 3.0602      |
| Dissolved sodium       | mg/L      | G-02D | 10/01/2024 |    | 68.8000  |     | 137.4934    |
| Iron                   | mg/L      | G-02D | 10/01/2024 |    | 1.3000   |     | 107.9130    |
| Lead                   | mg/L      | G-02D | 10/01/2024 |    | 0.0020   | *   | 0.0019      |
| Manganese              | mg/L      | G-02D | 10/01/2024 |    | 0.0330   |     | 0.1520      |
| Nickel                 | mg/L      | G-02D | 10/01/2024 | ND | 0.0080   |     | 0.0910      |
| Nitrate nitrogen       | mg-N/L    | G-02D | 10/01/2024 | ND | 0.0000   |     | 0.2800      |
| Nitrite nitrogen       | mg-N/L    | G-02D | 10/01/2024 |    | 0.0060   |     | 0.0650      |
| pH                     | std units | G-02D | 10/01/2024 |    | 6.5600   | *** | 7.85 - 9.88 |
| Silver                 | mg/L      | G-02D | 10/01/2024 |    | 0.0002   |     | 0.0006      |
| Sulfate                | mg/L      | G-02D | 10/01/2024 |    | 59.4000  |     | 220.0831    |
| Thallium               | mg/L      | G-02D | 10/01/2024 | ND | 0.0000   |     | 0.0001      |
| Total dissolved solids | mg/L      | G-02D | 10/01/2024 |    | 229.0000 |     | 355.0000    |
| Total organic carbon   | mg/L      | G-02D | 10/01/2024 |    | 1.4000   |     | 6.3173      |
| Vanadium               | mg/L      | G-02D | 10/01/2024 | ND | 0.0130   |     | 0.0430      |



Table 2

## Most Current Downgradient Monitoring Data

| Constituent            | Units     | Well   | Date       |    | Result   |     | Pred. Limit |
|------------------------|-----------|--------|------------|----|----------|-----|-------------|
| Zinc                   | mg/L      | G-02D  | 10/01/2024 | ND | 0.0110   |     | 0.0380      |
| Alkalinity (as caco3)  | mg/L      | G-06B  | 10/01/2024 |    | 272.0000 |     | 280.0000    |
| Ammonia nitrogen       | mg-N/L    | G-06B  | 10/01/2024 |    | 0.0400   |     | 0.2490      |
| Antimony               | mg/L      | G-06B  | 10/01/2024 | ND | 0.0002   |     | 0.0008      |
| Arsenic                | mg/L      | G-06B  | 10/01/2024 |    | 0.0028   |     | 9.6282      |
| Barium                 | mg/L      | G-06B  | 10/01/2024 |    | 0.0210   |     | 0.0439      |
| Beryllium              | mg/L      | G-06B  | 10/01/2024 | ND | 0.0001   |     | 0.0005      |
| Bicarbonate            | mg/L      | G-06B  | 10/01/2024 |    | 246.0000 |     | 280.0000    |
| Cadmium                | mg/L      | G-06B  | 10/01/2024 | ND | 0.0000   |     | 0.0003      |
| Chemical oxygen demand | mg/L      | G-06B  | 10/01/2024 | ND | 2.1100   |     | 28.0000     |
| Chloride               | mg/L      | G-06B  | 10/01/2024 |    | 7.4300   | *   | 6.6000      |
| Chromium               | mg/L      | G-06B  | 10/01/2024 |    | 0.0250   |     | 0.0490      |
| Cobalt, Total          | mg/L      | G-06B  | 10/01/2024 | ND | 0.0040   |     | 0.0050      |
| Conductivity           | umhos/cm  | G-06B  | 10/01/2024 |    | 662.0000 | *** | 530.0000    |
| Copper                 | mg/L      | G-06B  | 10/01/2024 |    | 0.0370   | *   | 0.0150      |
| Dissolved calcium      | mg/L      | G-06B  | 10/01/2024 |    | 0.6170   |     | 1.5900      |
| Dissolved iron         | mg/L      | G-06B  | 10/01/2024 | ND | 0.0230   |     | 0.8710      |
| Dissolved magnesium    | mg/L      | G-06B  | 10/01/2024 | ND | 0.0240   |     | 2.3300      |
| Dissolved manganese    | mg/L      | G-06B  | 10/01/2024 | ND | 0.0060   |     | 0.0190      |
| Dissolved potassium    | mg/L      | G-06B  | 10/01/2024 | ND | 0.4350   |     | 3.0602      |
| Dissolved sodium       | mg/L      | G-06B  | 10/01/2024 |    | 150.0000 | *** | 137.4934    |
| Iron                   | mg/L      | G-06B  | 10/01/2024 |    | 2.3300   |     | 107.9130    |
| Lead                   | mg/L      | G-06B  | 10/01/2024 |    | 0.0009   |     | 0.0019      |
| Manganese              | mg/L      | G-06B  | 10/01/2024 |    | 0.1070   |     | 0.1520      |
| Nickel                 | mg/L      | G-06B  | 10/01/2024 | ND | 0.0080   |     | 0.0910      |
| Nitrate nitrogen       | mg-N/L    | G-06B  | 10/01/2024 |    | 0.4480   | *** | 0.2800      |
| Nitrite nitrogen       | mg-N/L    | G-06B  | 10/01/2024 |    | 0.0040   |     | 0.0650      |
| pH                     | std units | G-06B  | 10/01/2024 |    | 7.2900   | *** | 7.85 - 9.88 |
| Silver                 | mg/L      | G-06B  | 10/01/2024 | ND | 0.0002   |     | 0.0006      |
| Sulfate                | mg/L      | G-06B  | 10/01/2024 |    | 61.6000  |     | 220.0831    |
| Thallium               | mg/L      | G-06B  | 10/01/2024 | ND | 0.0000   |     | 0.0001      |
| Total dissolved solids | mg/L      | G-06B  | 10/01/2024 |    | 400.0000 | *   | 355.0000    |
| Total organic carbon   | mg/L      | G-06B  | 10/01/2024 |    | 2.5000   |     | 6.3173      |
| Vanadium               | mg/L      | G-06B  | 10/01/2024 | ND | 0.0130   |     | 0.0430      |
| Zinc                   | mg/L      | G-06B  | 10/01/2024 | ND | 0.0110   |     | 0.0380      |
| Alkalinity (as caco3)  | mg/L      | G-08D2 | 10/01/2024 |    | 182.0000 |     | 280.0000    |
| Ammonia nitrogen       | mg-N/L    | G-08D2 | 10/01/2024 |    | 0.1960   |     | 0.2490      |
| Antimony               | mg/L      | G-08D2 | 10/01/2024 | ND | 0.0002   |     | 0.0008      |
| Arsenic                | mg/L      | G-08D2 | 10/01/2024 |    | 0.0007   |     | 9.6282      |
| Barium                 | mg/L      | G-08D2 | 10/01/2024 |    | 0.0375   | **  | 0.0439      |
| Beryllium              | mg/L      | G-08D2 | 10/01/2024 | ND | 0.0001   |     | 0.0005      |
| Bicarbonate            | mg/L      | G-08D2 | 10/01/2024 |    | 75.9000  |     | 280.0000    |
| Cadmium                | mg/L      | G-08D2 | 10/01/2024 | ND | 0.0000   |     | 0.0003      |
| Chemical oxygen demand | mg/L      | G-08D2 | 10/01/2024 | ND | 2.1100   |     | 28.0000     |
| Chloride               | mg/L      | G-08D2 | 10/01/2024 |    | 3.0900   |     | 6.6000      |
| Chromium               | mg/L      | G-08D2 | 10/01/2024 |    | 0.0175   |     | 0.0490      |
| Cobalt, Total          | mg/L      | G-08D2 | 10/01/2024 | ND | 0.0040   |     | 0.0050      |
| Conductivity           | umhos/cm  | G-08D2 | 10/01/2024 |    | 448.5000 |     | 530.0000    |
| Copper                 | mg/L      | G-08D2 | 10/01/2024 | ND | 0.0070   | **  | 0.0150      |
| Dissolved calcium      | mg/L      | G-08D2 | 10/01/2024 |    | 0.4505   |     | 1.5900      |
| Dissolved iron         | mg/L      | G-08D2 | 10/01/2024 | ND | 0.0230   |     | 0.8710      |
| Dissolved magnesium    | mg/L      | G-08D2 | 10/01/2024 | ND | 0.0240   |     | 2.3300      |
| Dissolved manganese    | mg/L      | G-08D2 | 10/01/2024 | ND | 0.0060   |     | 0.0190      |
| Dissolved potassium    | mg/L      | G-08D2 | 10/01/2024 | ND | 0.4350   |     | 3.0602      |
| Dissolved sodium       | mg/L      | G-08D2 | 10/01/2024 |    | 89.3500  |     | 137.4934    |
| Iron                   | mg/L      | G-08D2 | 10/01/2024 |    | 7.3250   |     | 107.9130    |
| Lead                   | mg/L      | G-08D2 | 10/01/2024 |    | 0.0010   |     | 0.0019      |
| Manganese              | mg/L      | G-08D2 | 10/01/2024 |    | 0.1580   | *   | 0.1520      |
| Nickel                 | mg/L      | G-08D2 | 10/01/2024 | ND | 0.0080   |     | 0.0910      |
| Nitrate nitrogen       | mg-N/L    | G-08D2 | 10/01/2024 |    | 0.0120   |     | 0.2800      |
| Nitrite nitrogen       | mg-N/L    | G-08D2 | 10/01/2024 |    | 0.0145   |     | 0.0650      |
| pH                     | std units | G-08D2 | 10/01/2024 |    | 9.0600   |     | 7.85 - 9.88 |
| Silver                 | mg/L      | G-08D2 | 10/01/2024 | ND | 0.0002   |     | 0.0006      |
| Sulfate                | mg/L      | G-08D2 | 10/01/2024 |    | 43.1000  |     | 220.0831    |
| Thallium               | mg/L      | G-08D2 | 10/01/2024 | ND | 0.0000   |     | 0.0001      |
| Total dissolved solids | mg/L      | G-08D2 | 10/01/2024 |    | 298.5000 |     | 355.0000    |
| Total organic carbon   | mg/L      | G-08D2 | 10/01/2024 |    | 1.7000   |     | 6.3173      |

Table 2

## Most Current Downgradient Monitoring Data

| Constituent            | Units     | Well   | Date       |    | Result    |     | Pred. Limit |
|------------------------|-----------|--------|------------|----|-----------|-----|-------------|
| Vanadium               | mg/L      | G-08D2 | 10/01/2024 |    | 0.0200    |     | 0.0430      |
| Zinc                   | mg/L      | G-08D2 | 10/01/2024 | ND | 0.0110    |     | 0.0380      |
| Alkalinity (as caco3)  | mg/L      | G-09D  | 01/14/2025 |    | 198.5000  | **  | 280.0000    |
| Ammonia nitrogen       | mg-N/L    | G-09D  | 01/14/2025 |    | 0.1610    |     | 0.2490      |
| Antimony               | mg/L      | G-09D  | 01/14/2025 | ND | 0.0001    |     | 0.0008      |
| Arsenic                | mg/L      | G-09D  | 01/14/2025 |    | 0.0024    |     | 9.6282      |
| Barium                 | mg/L      | G-09D  | 01/14/2025 |    | 0.0085    |     | 0.0439      |
| Beryllium              | mg/L      | G-09D  | 01/14/2025 | ND | 0.0001    |     | 0.0005      |
| Bicarbonate            | mg/L      | G-09D  | 01/14/2025 |    | 121.5000  | **  | 280.0000    |
| Cadmium                | mg/L      | G-09D  | 01/14/2025 | ND | 0.0001    |     | 0.0003      |
| Chemical oxygen demand | mg/L      | G-09D  | 01/14/2025 | ND | 2.1100    |     | 28.0000     |
| Chloride               | mg/L      | G-09D  | 01/14/2025 |    | 4.9700    |     | 6.6000      |
| Chromium               | mg/L      | G-09D  | 01/14/2025 |    | 0.0270    |     | 0.0490      |
| Cobalt, Total          | mg/L      | G-09D  | 01/14/2025 | ND | 0.0020    |     | 0.0050      |
| Conductivity           | umhos/cm  | G-09D  | 01/14/2025 |    | 638.5000  | *** | 530.0000    |
| Copper                 | mg/L      | G-09D  | 01/14/2025 | ND | 0.0100    |     | 0.0150      |
| Dissolved calcium      | mg/L      | G-09D  | 01/14/2025 |    | 1.3250    | **  | 1.5900      |
| Dissolved iron         | mg/L      | G-09D  | 01/14/2025 |    | 0.0325    |     | 0.8710      |
| Dissolved magnesium    | mg/L      | G-09D  | 01/14/2025 | ND | 0.0040    | **  | 2.3300      |
| Dissolved manganese    | mg/L      | G-09D  | 01/14/2025 |    | 0.0170    | **  | 0.0190      |
| Dissolved potassium    | mg/L      | G-09D  | 01/14/2025 |    | 0.5045    | **  | 3.0602      |
| Dissolved sodium       | mg/L      | G-09D  | 01/14/2025 |    | 149.5000  | *   | 137.4934    |
| Iron                   | mg/L      | G-09D  | 01/14/2025 |    | 2.1050    |     | 107.9130    |
| Lead                   | mg/L      | G-09D  | 01/14/2025 |    | 0.0019    |     | 0.0019      |
| Manganese              | mg/L      | G-09D  | 01/14/2025 |    | 0.1005    |     | 0.1520      |
| Nickel                 | mg/L      | G-09D  | 01/14/2025 |    | 0.0640    |     | 0.0910      |
| Nitrate nitrogen       | mg-N/L    | G-09D  | 01/14/2025 |    | 0.2110    |     | 0.2800      |
| Nitrite nitrogen       | mg-N/L    | G-09D  | 01/14/2025 |    | 0.0040    |     | 0.0650      |
| pH                     | std units | G-09D  | 01/14/2025 |    | 8.6200    |     | 7.85 - 9.88 |
| Silver                 | mg/L      | G-09D  | 01/14/2025 | ND | 0.0000    | **  | 0.0006      |
| Sulfate                | mg/L      | G-09D  | 01/14/2025 |    | 109.0000  |     | 220.0831    |
| Thallium               | mg/L      | G-09D  | 01/14/2025 | ND | 0.0000    |     | 0.0001      |
| Total dissolved solids | mg/L      | G-09D  | 01/14/2025 |    | 382.5000  | *** | 355.0000    |
| Total organic carbon   | mg/L      | G-09D  | 01/14/2025 |    | 1.9500    |     | 6.3173      |
| Vanadium               | mg/L      | G-09D  | 01/14/2025 |    | 0.0680    | *   | 0.0430      |
| Zinc                   | mg/L      | G-09D  | 01/14/2025 | ND | 0.0080    |     | 0.0380      |
| Alkalinity (as caco3)  | mg/L      | G-10D  | 01/14/2025 |    | 507.0000  | *** | 280.0000    |
| Ammonia nitrogen       | mg-N/L    | G-10D  | 01/14/2025 |    | 0.3280    | *** | 0.2490      |
| Antimony               | mg/L      | G-10D  | 01/14/2025 | ND | 0.0001    |     | 0.0008      |
| Arsenic                | mg/L      | G-10D  | 01/14/2025 |    | 0.0014    |     | 9.6282      |
| Barium                 | mg/L      | G-10D  | 01/14/2025 | ND | 0.0050    |     | 0.0439      |
| Beryllium              | mg/L      | G-10D  | 01/14/2025 | ND | 0.0001    |     | 0.0005      |
| Bicarbonate            | mg/L      | G-10D  | 01/14/2025 |    | 507.0000  | *** | 280.0000    |
| Cadmium                | mg/L      | G-10D  | 01/14/2025 | ND | 0.0001    |     | 0.0003      |
| Chemical oxygen demand | mg/L      | G-10D  | 01/14/2025 | ND | 2.1100    |     | 28.0000     |
| Chloride               | mg/L      | G-10D  | 01/14/2025 |    | 16.6000   | *** | 6.6000      |
| Chromium               | mg/L      | G-10D  | 01/14/2025 |    | 0.0440    |     | 0.0490      |
| Cobalt, Total          | mg/L      | G-10D  | 01/14/2025 | ND | 0.0020    |     | 0.0050      |
| Conductivity           | umhos/cm  | G-10D  | 01/14/2025 |    | 1450.0000 | *   | 530.0000    |
| Copper                 | mg/L      | G-10D  | 01/14/2025 | ND | 0.0100    |     | 0.0150      |
| Dissolved calcium      | mg/L      | G-10D  | 01/14/2025 |    | 16.6000   | *** | 1.5900      |
| Dissolved iron         | mg/L      | G-10D  | 01/14/2025 |    | 0.2840    |     | 0.8710      |
| Dissolved magnesium    | mg/L      | G-10D  | 01/14/2025 |    | 1.3700    |     | 2.3300      |
| Dissolved manganese    | mg/L      | G-10D  | 01/14/2025 |    | 0.2700    | *** | 0.0190      |
| Dissolved potassium    | mg/L      | G-10D  | 01/14/2025 |    | 1.6800    |     | 3.0602      |
| Dissolved sodium       | mg/L      | G-10D  | 01/14/2025 |    | 314.0000  | *** | 137.4934    |
| Iron                   | mg/L      | G-10D  | 01/14/2025 |    | 0.3720    |     | 107.9130    |
| Lead                   | mg/L      | G-10D  | 01/14/2025 | ND | 0.0001    |     | 0.0019      |
| Manganese              | mg/L      | G-10D  | 01/14/2025 |    | 0.2700    | *** | 0.1520      |
| Nickel                 | mg/L      | G-10D  | 01/14/2025 |    | 0.0580    |     | 0.0910      |
| Nitrate nitrogen       | mg-N/L    | G-10D  | 01/14/2025 | ND | 0.0114    |     | 0.2800      |
| Nitrite nitrogen       | mg-N/L    | G-10D  | 01/14/2025 |    | 0.0040    |     | 0.0650      |
| pH                     | std units | G-10D  | 01/14/2025 |    | 6.6300    | *** | 7.85 - 9.88 |
| Silver                 | mg/L      | G-10D  | 01/14/2025 | ND | 0.0000    |     | 0.0006      |
| Sulfate                | mg/L      | G-10D  | 01/14/2025 |    | 250.0000  | *** | 220.0831    |
| Thallium               | mg/L      | G-10D  | 01/14/2025 | ND | 0.0000    |     | 0.0001      |
| Total dissolved solids | mg/L      | G-10D  | 01/14/2025 |    | 930.0000  | *** | 355.0000    |

Table 2

## Most Current Downgradient Monitoring Data

| Constituent                        | Units     | Well  | Date       |    | Result   |    | Pred. Limit |
|------------------------------------|-----------|-------|------------|----|----------|----|-------------|
| Total organic carbon               | mg/L      | G-10D | 01/14/2025 |    | 3.7000   |    | 6.3173      |
| Vanadium                           | mg/L      | G-10D | 01/14/2025 |    | 0.0860   | *  | 0.0430      |
| Zinc                               | mg/L      | G-10D | 01/14/2025 | ND | 0.0080   |    | 0.0380      |
| Alkalinity (as cacO <sub>3</sub> ) | mg/L      | G-13D | 10/02/2024 |    | 179.0000 |    | 280.0000    |
| Ammonia nitrogen                   | mg-N/L    | G-13D | 10/02/2024 |    | 0.0840   |    | 0.2490      |
| Antimony                           | mg/L      | G-13D | 10/02/2024 | ND | 0.0002   |    | 0.0008      |
| Arsenic                            | mg/L      | G-13D | 10/02/2024 |    | 0.0004   |    | 9.6282      |
| Barium                             | mg/L      | G-13D | 10/02/2024 | ND | 0.0060   |    | 0.0439      |
| Beryllium                          | mg/L      | G-13D | 10/02/2024 | ND | 0.0001   |    | 0.0005      |
| Bicarbonate                        | mg/L      | G-13D | 10/02/2024 |    | 113.0000 |    | 280.0000    |
| Cadmium                            | mg/L      | G-13D | 10/02/2024 | ND | 0.0000   |    | 0.0003      |
| Chemical oxygen demand             | mg/L      | G-13D | 10/02/2024 | ND | 2.1100   |    | 28.0000     |
| Chloride                           | mg/L      | G-13D | 10/02/2024 |    | 12.3000  | *  | 6.6000      |
| Chromium                           | mg/L      | G-13D | 10/02/2024 | ND | 0.0150   |    | 0.0490      |
| Cobalt, Total                      | mg/L      | G-13D | 10/02/2024 | ND | 0.0040   |    | 0.0050      |
| Conductivity                       | umhos/cm  | G-13D | 10/02/2024 |    | 450.0000 |    | 530.0000    |
| Copper                             | mg/L      | G-13D | 10/02/2024 | ND | 0.0070   | ** | 0.0150      |
| Dissolved calcium                  | mg/L      | G-13D | 10/02/2024 |    | 0.2720   |    | 1.5900      |
| Dissolved iron                     | mg/L      | G-13D | 10/02/2024 | ND | 0.0230   |    | 0.8710      |
| Dissolved magnesium                | mg/L      | G-13D | 10/02/2024 | ND | 0.0240   |    | 2.3300      |
| Dissolved manganese                | mg/L      | G-13D | 10/02/2024 | ND | 0.0060   |    | 0.0190      |
| Dissolved potassium                | mg/L      | G-13D | 10/02/2024 | ND | 0.4350   |    | 3.0602      |
| Dissolved sodium                   | mg/L      | G-13D | 10/02/2024 |    | 95.8000  |    | 137.4934    |
| Iron                               | mg/L      | G-13D | 10/02/2024 |    | 0.3820   |    | 107.9130    |
| Lead                               | mg/L      | G-13D | 10/02/2024 | ND | 0.0002   |    | 0.0019      |
| Manganese                          | mg/L      | G-13D | 10/02/2024 | ND | 0.0050   |    | 0.1520      |
| Nickel                             | mg/L      | G-13D | 10/02/2024 | ND | 0.0080   |    | 0.0910      |
| Nitrate nitrogen                   | mg-N/L    | G-13D | 10/02/2024 | ND | 0.0000   |    | 0.2800      |
| Nitrite nitrogen                   | mg-N/L    | G-13D | 10/02/2024 |    | 0.0060   |    | 0.0650      |
| pH                                 | std units | G-13D | 10/02/2024 |    | 8.6300   |    | 7.85 - 9.88 |
| Silver                             | mg/L      | G-13D | 10/02/2024 | ND | 0.0002   |    | 0.0006      |
| Sulfate                            | mg/L      | G-13D | 10/02/2024 |    | 33.1000  |    | 220.0831    |
| Thallium                           | mg/L      | G-13D | 10/02/2024 | ND | 0.0000   |    | 0.0001      |
| Total dissolved solids             | mg/L      | G-13D | 10/02/2024 |    | 306.0000 |    | 355.0000    |
| Total organic carbon               | mg/L      | G-13D | 10/02/2024 |    | 1.2000   |    | 6.3173      |
| Vanadium                           | mg/L      | G-13D | 10/02/2024 | ND | 0.0130   |    | 0.0430      |
| Zinc                               | mg/L      | G-13D | 10/02/2024 | ND | 0.0110   |    | 0.0380      |

\* - Current value failed - awaiting verification.

\*\* - Current value passed - previous exceedance not verified.

\*\*\* - Current value failed - exceedance verified.

\*\*\*\* - Current value passed - awaiting one more verification.

\*\*\*\*\* - Insufficient background data to compute prediction limit.

ND = Not Detected, Result = detection limit.

Table 5

## Summary Statistics and Prediction Limits

| Constituent            | Units     | Detect | N  | Mean     | SD      | alpha  | Factor | Pred Limit | Type   |     | Conf |
|------------------------|-----------|--------|----|----------|---------|--------|--------|------------|--------|-----|------|
| Alkalinity (as caco3)  | mg/L      | 54     | 54 |          |         |        |        | 280.0000   | nonpar |     | 0.99 |
| Ammonia nitrogen       | mg-N/L    | 52     | 52 |          |         |        |        | 0.2490     | nonpar |     | 0.99 |
| Antimony               | mg/L      | 5      | 51 |          |         |        |        | 0.0008     | nonpar |     | 0.99 |
| Arsenic                | mg/L      | 41     | 53 | -6.0383  | 3.4272  | 0.0100 | 2.4227 | 9.6282     | lognor |     |      |
| Barium                 | mg/L      | 30     | 52 | 0.0106   | 0.0137  | 0.0100 | 2.4246 | 0.0439     | normal |     |      |
| Beryllium              | mg/L      | 2      | 53 |          |         |        |        | 0.0005     | nonpar | *** | 0.99 |
| Bicarbonate            | mg/L      | 54     | 54 |          |         |        |        | 280.0000   | nonpar |     | 0.99 |
| Cadmium                | mg/L      | 8      | 52 |          |         |        |        | 0.0003     | nonpar |     | 0.99 |
| Chemical oxygen demand | mg/L      | 7      | 50 |          |         |        |        | 28.0000    | nonpar |     | 0.99 |
| Chloride               | mg/L      | 53     | 53 |          |         |        |        | 6.6000     | nonpar |     | 0.99 |
| Chromium               | mg/L      | 17     | 53 |          |         |        |        | 0.0490     | nonpar |     | 0.99 |
| Cobalt, Total          | mg/L      | 3      | 50 |          |         |        |        | 0.0050     | nonpar |     | 0.99 |
| Conductivity           | umhos/cm  | 54     | 54 |          |         |        |        | 530.0000   | nonpar |     | 0.99 |
| Copper                 | mg/L      | 11     | 51 |          |         |        |        | 0.0150     | nonpar |     | 0.99 |
| Dissolved calcium      | mg/L      | 50     | 53 |          |         |        |        | 1.5900     | nonpar |     | 0.99 |
| Dissolved iron         | mg/L      | 26     | 54 |          |         |        |        | 0.8710     | nonpar |     | 0.99 |
| Dissolved magnesium    | mg/L      | 30     | 54 |          |         |        |        | 2.3300     | nonpar |     | 0.99 |
| Dissolved manganese    | mg/L      | 26     | 54 |          |         |        |        | 0.0190     | nonpar |     | 0.99 |
| Dissolved potassium    | mg/L      | 32     | 53 | -0.7662  | 0.7779  | 0.0100 | 2.4227 | 3.0602     | lognor |     |      |
| Dissolved sodium       | mg/L      | 54     | 54 | 111.7685 | 10.6264 | 0.0100 | 2.4209 | 137.4934   | normal |     |      |
| Iron                   | mg/L      | 45     | 50 | -0.5218  | 2.1423  | 0.0100 | 2.4288 | 107.9130   | lognor |     |      |
| Lead                   | mg/L      | 26     | 53 |          |         |        |        | 0.0019     | nonpar |     | 0.99 |
| Manganese              | mg/L      | 42     | 53 |          |         |        |        | 0.1520     | nonpar |     | 0.99 |
| Nickel                 | mg/L      | 13     | 52 |          |         |        |        | 0.0910     | nonpar |     | 0.99 |
| Nitrate nitrogen       | mg-N/L    | 18     | 51 |          |         |        |        | 0.2800     | nonpar |     | 0.99 |
| Nitrite nitrogen       | mg-N/L    | 27     | 54 |          |         |        |        | 0.0650     | nonpar |     | 0.99 |
| pH                     | std units | 54     | 54 |          |         |        |        | 7.85- 9.88 | nonpar |     | 0.99 |
| Silver                 | mg/L      | 4      | 53 |          |         |        |        | 0.0006     | nonpar |     | 0.99 |
| Sulfate                | mg/L      | 52     | 52 | 2.5344   | 1.1794  | 0.0100 | 2.4246 | 220.0831   | lognor |     |      |
| Thallium               | mg/L      | 8      | 53 |          |         |        |        | 0.0001     | nonpar |     | 0.99 |
| Total dissolved solids | mg/L      | 54     | 54 |          |         |        |        | 355.0000   | nonpar |     | 0.99 |
| Total organic carbon   | mg/L      | 50     | 50 | 0.8309   | 0.4168  | 0.0100 | 2.4288 | 6.3173     | lognor |     |      |
| Vanadium               | mg/L      | 13     | 52 |          |         |        |        | 0.0430     | nonpar |     | 0.99 |
| Zinc                   | mg/L      | 21     | 53 |          |         |        |        | 0.0380     | nonpar |     | 0.99 |

Conf = confidence level for passing initial test or one of two verification resamples at all downgradient wells for a single constituent (nonparametric test only).

\* - Insufficient Data.

\*\* - Calculated limit raised to Manual Reporting Limit.

\*\*\* - Nonparametric limit based on ND value.

For transformed data, mean and SD in transformed units and prediction limit in original units.

All sample sizes and statistics are based on outlier free data.

For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.



Groundwater Analytical Summary - Deep Wells: Second Quarter 2025  
Cathcart Landfill, Snohomish County, WA

|                                                 | Statistical Method | Number of Samples | Number of Detects | Prediction Limit | Primary GW Stds 173-200 | Downgradient Wells |   |   |    |    |        |      |   |    |    |        |      |   |    |    |        |      |   |    |    |        |       |   |    | Upgradient Wells |        |       |   |    |     |        |      |   |    |     |        |       |   |    |     |        |      |   |    |    |
|-------------------------------------------------|--------------------|-------------------|-------------------|------------------|-------------------------|--------------------|---|---|----|----|--------|------|---|----|----|--------|------|---|----|----|--------|------|---|----|----|--------|-------|---|----|------------------|--------|-------|---|----|-----|--------|------|---|----|-----|--------|-------|---|----|-----|--------|------|---|----|----|
|                                                 |                    |                   |                   |                  |                         | G-01D              |   |   |    |    | G-02D  |      |   |    |    | G-06B  |      |   |    |    | G-08D2 |      |   |    |    | G-09D  |       |   |    |                  | G-10D  |       |   |    |     | G-13D  |      |   |    |     | G-14D  |       |   |    |     | G-24D  |      |   |    |    |
|                                                 |                    |                   |                   |                  |                         | 4/1/25             | D | V | Tr | Ch | 4/1/25 | D    | V | Tr | Ch | 4/1/25 | D    | V | Tr | Ch | 4/1/25 | D    | V | Tr | Ch | 4/2/25 | D     | V | Tr | Ch               | 4/2/25 | D     | V | Tr | Ch  | 4/2/25 | D    | V | Tr | Ch  | 4/1/25 | D     | V | Tr | Ch  | 4/1/25 | D    | V | Tr | Ch |
| CONVENTIONAL CHEMISTRY PARAMETERS (mg/L)        |                    |                   |                   |                  |                         |                    |   |   |    |    |        |      |   |    |    |        |      |   |    |    |        |      |   |    |    |        |       |   |    |                  |        |       |   |    |     |        |      |   |    |     |        |       |   |    |     |        |      |   |    |    |
| Alkalinity (as CaCO3)                           | nonpar             | 54                | 54                | 280              | --                      | 232                |   |   | D  | N  | 99.2   |      |   |    |    | 264    |      |   |    |    | 187    |      |   |    |    | 195    |       |   |    |                  | 516    |       | V |    |     | 185    |      |   |    |     | 242    |       |   |    |     | 213    |      |   |    |    |
| Ammonia Nitrogen                                | nonpar             | 52                | 52                | 0.249            | --                      | 0.169              |   |   |    |    | 0.06   |      | P |    |    | 0.044  |      |   |    |    | 0.197  |      |   |    |    | 0.154  |       |   |    |                  | 0.295  |       | V |    |     | 0.09   |      |   |    |     | 0.163  |       |   |    |     | 0.118  |      |   |    |    |
| Bicarbonate                                     | nonpar             | 54                | 54                | 280              | --                      | 111                |   |   |    | Y  | 99.2   |      |   |    |    | 232    |      |   |    |    | 2.0    |      |   |    |    | 107    |       |   |    |                  | 516    |       | V |    |     | 91.8   |      |   |    |     | 94.4   |       |   |    |     | 195    |      |   |    |    |
| Calcium, Dissolved                              | nonpar             | 53                | 50                | 1.59             | --                      | 0.654              |   |   | D  | N  | 0.257  |      |   | D  | N  | 0.977  |      |   | D  | N  | 0.366  |      |   | D  | N  | 1.19   |       |   |    |                  | 16.3   |       | V | D  | N   | 0.330  |      |   |    |     | 0.449  |       |   |    |     | 0.403  |      |   |    |    |
| Chemical Oxygen Demand                          | nonpar             | 50                | 7                 | 28               | --                      | 10                 | U |   |    |    | 10     | U    |   |    |    | 11     |      |   |    |    | 10     | U    |   |    |    | 10     | U     |   |    |                  | 10     | U     |   |    |     | 10     | U    |   |    |     |        | 10    | U |    |     |        |      |   |    |    |
| Chloride                                        | nonpar             | 53                | 53                | 6.6              | 250                     | 7.60               |   | E |    |    | 6.02   |      |   | D  | N  | 7.38   |      | E | D  | N  | 3.26   |      |   | D  | N  | 6.19   |       |   | D  | N                | 17.9   |       | V | D  | N   | 13.1   |      | E |    |     | 2.49   |       |   | D  | N   | 5.37   |      |   |    |    |
| Conductivity (umhos/cm)                         | nonpar             | 54                | 54                | 530              | 700                     | 585                |   | V | D  | N  | 348    |      |   |    | Y  | 663    |      | V |    |    | 476    |      |   |    |    | 618    |       | V |    |                  | 1430   |       | E |    |     | 449    |      |   |    |     | 483    |       |   |    |     | 499    |      |   |    |    |
| Magnesium, Dissolved                            | nonpar             | 54                | 30                | 2.33             | --                      | 0.052              |   |   |    |    | 0.05   | U    |   |    |    | 0.06   |      |   |    |    | 0.05   | U    |   |    |    | 0.1    |       |   |    |                  | 1.34   |       |   | D  | N   | 0.05   | U    |   |    |     | 0.05   | U     |   |    |     | 0.05   | U    |   |    |    |
| Nitrate Nitrogen (mg-N/L)                       | nonpar             | 51                | 18                | 0.28             | 10                      | 0.02               | U |   |    |    | 0.087  |      |   | D  | N  | 0.327  |      | V |    |    | 0.02   | U    |   |    |    | 0.02   | U     |   |    |                  | 0.02   | U     |   |    |     | 0.02   | U    |   |    |     | 0.02   | U     |   |    |     | 0.02   | U    |   |    |    |
| Nitrite Nitrogen (mg-N/L)                       | nonpar             | 54                | 27                | 0.065            | 1                       | 0.026              |   |   |    |    | 0.007  |      |   |    |    | 0.002  |      |   |    |    | 0.004  |      |   |    |    | 0.009  |       |   |    |                  | 0.002  | U     |   |    |     | 0.01   |      |   |    |     | 0.008  |       |   |    |     | 0.002  | U    |   |    |    |
| pH (std units)                                  | nonpar             | 54                | 54                | 7.85-9.88        | 6.5-8.5                 | 8.66               |   |   |    |    | 6.90   |      | V | D  | N  | 7.34   |      | V |    |    | 9.11   |      |   |    |    | 8.80   |       |   |    |                  | 6.61   |       | V |    |     | 8.64   |      |   |    |     | 8.89   |       |   |    |     | 7.99   |      |   |    |    |
| Potassium, Dissolved                            | lognor             | 53                | 32                | 3.0602           | --                      | 0.5                | U |   |    |    | 0.5    | U    |   |    |    | 0.5    | U    |   |    |    | 0.5    | U    |   |    |    | 0.529  |       |   |    |                  | 1.91   |       |   |    | 0.5 | U      |      |   |    | 0.5 | U      |       |   |    | 0.5 | U      |      |   | I  | Y  |
| Sodium, Dissolved                               | normal             | 54                | 54                | 137.4934         | 20                      | 130                |   |   |    | Y  | 80.5   |      |   |    | Y  | 170    |      | V |    |    | 103    |      |   |    |    | 153    |       | E |    |                  | 336    |       | V |    |     | 105    |      |   |    |     | 114    |       |   |    |     | 118    |      |   |    |    |
| Sulfate                                         | lognor             | 52                | 52                | 220.0831         | 250                     | 50.1               |   |   |    | D  | N      | 62.1 |   |    | D  | N      | 63.6 |   |    | D  | N      | 44.7 |   |    |    |        | 117   |   |    |                  |        | 249   |   | V  | D   | N      | 34.0 |   |    | D   | N      | 3.46  |   |    |     |        | 37.0 |   |    |    |
| Total Dissolved Solids                          | nonpar             | 54                | 54                | 355              | 500                     | 366                |   | E |    | Y  | 240    |      |   | D  | N  | 407    |      | E |    |    | 300    |      |   |    |    | 395    |       | V |    |                  | 941    |       | V |    |     | 272    |      |   |    |     | 273    |       |   |    |     | 338    |      |   |    |    |
| Total Organic Carbon                            | lognor             | 50                | 50                | 6.3173           | --                      | 1.3                |   |   |    |    | 0.9    |      |   |    |    | 2.0    |      |   |    |    | 1.4    |      |   |    |    | 2.42   |       |   |    |                  | 3.3    |       |   |    |     | 0.84   |      |   |    |     | 1.2    |       |   |    |     | 1.5    |      |   |    |    |
| TOTAL METALS EPA Methods 200.7/200.8 (µg/L)     |                    |                   |                   |                  |                         |                    |   |   |    |    |        |      |   |    |    |        |      |   |    |    |        |      |   |    |    |        |       |   |    |                  |        |       |   |    |     |        |      |   |    |     |        |       |   |    |     |        |      |   |    |    |
| Antimony                                        | nonpar             | 51                | 5                 | 0.8              | 6                       | 0.3                | U |   |    |    | 0.356  |      |   |    |    | 0.3    | U    |   |    |    | 0.3    | U    |   |    |    | 0.3    | U     |   |    |                  | 0.3    | U     |   |    |     | 0.3    | U    |   |    |     | 0.3    | U     |   |    |     | 0.3    | U    |   |    |    |
| Arsenic                                         | lognor             | 53                | 41                | 9628.2           | 0.05                    | 0.624              |   |   |    |    | 5.844  |      |   | I  | N  | 4.236  |      |   | I  | N  | 1.578  |      |   |    | D  | N      | 1.449 |   |    | D                | N      | 1.449 |   |    |     | 0.426  |      |   |    |     | 1.071  |       |   |    |     | 0.213  |      |   |    |    |
| Barium                                          | normal             | 52                | 30                | 43.9             | 1000                    | 17                 |   |   |    |    | 46     |      | E |    |    | 12     |      |   |    |    | 46     |      | E |    |    | 11     |       |   |    |                  | 10     | U     |   |    |     | 10     | U    |   |    |     | 30     |       |   |    |     | 10     | U    |   |    |    |
| Beryllium                                       | nonpar             | 53                | 2                 | 0.5              | 4                       | 0.3                | U |   |    |    | 0.3    | U    |   |    |    | 0.3    | U    |   |    |    | 0.3    | U    |   |    |    | 0.3    | U     |   |    |                  | 0.3    | U     |   |    |     | 0.3    | U    |   |    |     | 0.3    | U     |   |    |     | 0.3    | U    |   |    |    |
| Cadmium                                         | nonpar             | 52                | 8                 | 0.3              | 5                       | 0.1                | U |   |    |    | 0.1    | U    |   |    |    | 0.1    | U    |   |    |    | 0.1    | U    |   |    |    | 0.1    | U     |   |    |                  | 0.1    | U     |   |    |     | 0.1    | U    |   |    |     | 0.1    | U     |   |    |     | 0.1    | U    |   |    |    |
| Chromium                                        | nonpar             | 53                | 17                | 49               | 50                      | 20                 | U |   |    |    | 20     | U    |   |    |    | 20     | U    |   |    |    | 20     | U    |   |    |    | 20     | U     |   |    |                  | 20     | U     |   |    |     | 20     | U    |   |    |     | 20     | U     |   |    |     | 20     | U    |   |    |    |
| Cobalt                                          | nonpar             | 50                | 3                 | 5                | --                      | 10                 | U |   |    |    | 10     | U    |   |    |    | 10     | U    |   |    |    | 10     | U    |   |    |    | 10     | U     |   |    |                  | 10     | U     |   |    |     | 10     | U    |   |    |     | 10     | U     |   |    |     | 10     | U    |   |    |    |
| Copper                                          | nonpar             | 51                | 11                | 15               | 1000                    | 10                 | U |   |    |    | 17     |      | V |    |    | 10     | U    | P |    |    | 10     | U    |   |    |    | 10     | U     |   |    |                  | 10     | U     |   |    |     | 10     | U    |   |    |     | 10     | U     |   |    |     | 10     | U    |   |    |    |
| Iron                                            | lognor             | 50                | 45                | 107913           | 300                     | 2370               |   |   |    |    | 5700   |      |   |    |    | 1210   |      |   |    |    | 8770   |      |   |    |    | 2020   |       |   |    |                  | 318    |       |   | D  | N   | 768    |      |   |    |     | 4820   |       |   |    |     | 30     | U    |   |    |    |
| Lead                                            | nonpar             | 53                | 26                | 1.9              | 50                      | 0.343              |   |   |    |    | 1.546  |      | P |    |    | 0.467  |      |   |    |    | 1.103  |      |   |    |    | 1.842  |       |   |    |                  | 0.2    | U     |   |    | D   | N      | 0.2  | U |    |     |        | 0.487 |   |    |     |        | 0.2  | U |    |    |
| Manganese                                       | nonpar             | 53                | 42                | 152              | 50                      | 10                 | U |   |    |    | 81     |      |   |    |    | 46     |      |   |    |    | 173    |      | V |    |    | 92     |       |   |    |                  | 263    |       |   | V  | D   | N      | 12   |   |    |     |        | 51    |   |    |     |        | 10   | U |    |    |
| Nickel                                          | nonpar             | 52                | 13                | 91               | 100                     | 10                 | U |   |    |    | 10     | U    |   |    |    | 10     | U    |   |    |    | 10     | U    |   |    |    | 49     |       |   |    |                  | 49     |       |   |    |     | 49     |      |   |    | 10  | U      |       |   |    | 10  | U      |      |   |    |    |
| Selenium                                        | nonpar             | 53                | 11                | 2.3              | 10                      | 1                  | U |   |    |    | 1      | U    |   |    |    | 1      | U    |   |    |    | 1      | U    |   |    |    | 1      | U     |   |    |                  | 1      | U     |   |    |     | 1      | U    |   |    |     | 1      | U     |   |    |     | 1      | U    |   |    |    |
| Silver                                          | nonpar             | 53                | 4                 | 0.6              | 50                      | 0.2                | U |   |    |    | 0.2    | U    |   |    |    | 0.2    | U    |   |    |    | 0.2    | U    |   |    |    | 0.2    | U     |   |    |                  | 0.2    | U     |   |    |     | 0.2    | U    |   |    |     | 0.2    | U     |   |    |     | 0.2    | U    |   |    |    |
| Thallium                                        | nonpar             | 53                | 8                 | 0.1              | 2                       | 0.1                | U |   |    |    | 0.1    | U    |   |    |    | 0.1    | U    |   |    |    | 0.1    | U    |   |    |    | 0.1    | U     |   |    |                  | 0.1    | U     |   |    |     | 0.1    | U    |   |    |     | 0.1    | U     |   |    |     | 0.1    | U    |   |    |    |
| Vanadium                                        | nonpar             | 52                | 13                | 43               | --                      | 20                 | U |   |    |    | 20     | U    |   |    |    | 20     | U    |   |    |    | 24     |      |   |    |    | 20     | U     | P |    |                  | 20     | U     | P |    |     | 20     | U    |   |    |     | 20     | U     |   |    |     | 23     |      |   |    |    |
| Zinc                                            | nonpar             | 53                | 21                | 38               | 5000                    | 10                 | U |   |    |    | 13     |      |   |    |    | 10     | U    |   |    |    | 15     |      |   |    |    | 10     | U     |   |    |                  | 10     | U     |   |    |     | 10     | U    |   |    |     | 27     |       |   |    |     | 10     | U    |   |    |    |
| DISSOLVED METALS EPA Methods 200.7/200.8 (µg/L) |                    |                   |                   |                  |                         |                    |   |   |    |    |        |      |   |    |    |        |      |   |    |    |        |      |   |    |    |        |       |   |    |                  |        |       |   |    |     |        |      |   |    |     |        |       |   |    |     |        |      |   |    |    |
| Antimony                                        | --                 | --                | --                | --               | 6                       | 0.1                | U |   |    |    | 0.784  |      |   |    |    | 0.153  |      |   |    |    | 0.1    | U    |   |    |    | 0.11   |       |   |    |                  | 0.1    | U     |   |    |     | 0.1    | U    |   |    |     | 0.1    | U     |   |    |     | 0.1    | U    |   |    |    |
| Arsenic                                         | --                 | --                | --                | --               | 0.05                    | 0.171              |   |   |    |    | 6.172  |      |   |    |    | 5.367  |      |   |    |    | 0.776  |      |   |    |    | 3.681  |       |   |    |                  |        |       |   |    |     |        |      |   |    |     |        |       |   |    |     |        |      |   |    |    |

## Cathcart Landfill, Snohomish County, WA

|                                   |    |    |    |    |       |      |   |  |  |  |      |   |  |  |  |      |   |  |  |  |      |   |  |  |      |      |   |  |  |      |      |   |  |   |      |      |   |  |      |  |  |  |
|-----------------------------------|----|----|----|----|-------|------|---|--|--|--|------|---|--|--|--|------|---|--|--|--|------|---|--|--|------|------|---|--|--|------|------|---|--|---|------|------|---|--|------|--|--|--|
| 1,1-Dichloroethylene              | -- | -- | -- | -- | --    | 1    | U |  |  |  | 1    | U |  |  |  | 1    | U |  |  |  | 1    | U |  |  |      | 1    | U |  |  |      | 1    | U |  |   |      | 1    | U |  |      |  |  |  |
| 1,2,3-Trichloropropane            | -- | -- | -- | -- | --    | 1    | U |  |  |  | 1    | U |  |  |  | 1    | U |  |  |  | 1    | U |  |  |      | 1    | U |  |  |      | 1    | U |  |   |      | 1    | U |  |      |  |  |  |
| 1,2-Dibromo-3-chloropropane       | -- | -- | -- | -- | --    | 0.03 | U |  |  |  | 0.03 | U |  |  |  | 0.03 | U |  |  |  | 0.03 | U |  |  |      | 0.03 | U |  |  |      | 0.03 | U |  |   |      | 0.03 | U |  |      |  |  |  |
| 1,2-Dibromoethane                 | -- | -- | -- | -- | 0.001 | 0.01 | U |  |  |  | 0.01 | U |  |  |  | 0.01 | U |  |  |  | 0.01 | U |  |  |      | 0.01 | U |  |  |      | 0.01 | U |  |   |      | 0.01 | U |  |      |  |  |  |
| 1,2-Dichlorobenzene               | -- | -- | -- | -- | --    | 1    | U |  |  |  | 1    | U |  |  |  | 1    | U |  |  |  | 1    | U |  |  |      | 1    | U |  |  |      | 1    | U |  |   |      | 1    | U |  |      |  |  |  |
| 1,2-Dichloroethane                | -- | -- | -- | -- | 0.5   | 0.03 | U |  |  |  | 0.03 | U |  |  |  | 0.03 | U |  |  |  | 0.03 | U |  |  |      | 0.03 | U |  |  |      | 0.03 | U |  |   |      | 0.03 | U |  |      |  |  |  |
| 1,2-Dichloropropane               | -- | -- | -- | -- | 0.6   | 0.02 | U |  |  |  | 0.02 | U |  |  |  | 0.02 | U |  |  |  | 0.07 |   |  |  |      | 0.02 | U |  |  |      | 0.02 | U |  |   |      | 0.02 | U |  |      |  |  |  |
| 1,4-Dichlorobenzene               | -- | -- | -- | -- | 4     | 1    | U |  |  |  | 1    | U |  |  |  | 1    | U |  |  |  | 1    | U |  |  |      | 1    | U |  |  |      | 1    | U |  |   |      | 1    | U |  |      |  |  |  |
| 2-Butanone                        | -- | -- | -- | -- | --    | 5    | U |  |  |  | 5    | U |  |  |  | 5    | U |  |  |  | 5    | U |  |  |      | 5    | U |  |  |      | 5    | U |  |   |      | 5    | U |  |      |  |  |  |
| 2-Hexanone                        | -- | -- | -- | -- | --    | 2    | U |  |  |  | 2    | U |  |  |  | 2    | U |  |  |  | 2    | U |  |  |      | 2    | U |  |  |      | 2    | U |  |   |      | 2    | U |  |      |  |  |  |
| 4-Methyl-2-Pentanone (MIBK)       | -- | -- | -- | -- | --    | 3    | U |  |  |  | 3    | U |  |  |  | 3    | U |  |  |  | 3    | U |  |  |      | 3    | U |  |  |      | 3    | U |  |   |      | 3    | U |  |      |  |  |  |
| Acetone                           | -- | -- | -- | -- | --    | 11.1 |   |  |  |  | 14.4 |   |  |  |  | 5    | U |  |  |  | 10.1 |   |  |  |      | 8.99 |   |  |  | 11.2 |      |   |  | 5 | U    |      |   |  | 17.1 |  |  |  |
| Acrylonitrile                     | -- | -- | -- | -- | 0.07  | 0.05 | U |  |  |  | 0.05 | U |  |  |  | 0.05 | U |  |  |  | 0.05 | U |  |  |      | 0.05 | U |  |  |      | 0.05 | U |  |   |      | 0.05 | U |  |      |  |  |  |
| Benzene                           | -- | -- | -- | -- | 1     | 0.1  | U |  |  |  | 0.1  | U |  |  |  | 0.1  | U |  |  |  | 0.1  | U |  |  |      | 0.1  | U |  |  |      | 0.1  | U |  |   |      | 0.1  | U |  |      |  |  |  |
| Bromodichloromethane              | -- | -- | -- | -- | 0.3   | 0.02 | U |  |  |  | 0.02 | U |  |  |  | 0.02 | U |  |  |  | 0.02 | U |  |  |      | 0.02 | U |  |  |      | 0.02 | U |  |   |      | 0.02 | U |  |      |  |  |  |
| Bromoform                         | -- | -- | -- | -- | 5     | 2    | U |  |  |  | 2    | U |  |  |  | 2    | U |  |  |  | 2    | U |  |  |      | 2    | U |  |  |      | 2    | U |  |   |      | 2    | U |  |      |  |  |  |
| Bromomethane                      | -- | -- | -- | -- | --    | 2    | U |  |  |  | 2    | U |  |  |  | 2    | U |  |  |  | 2    | U |  |  |      | 2    | U |  |  |      | 2    | U |  |   |      | 2    | U |  |      |  |  |  |
| Carbon Disulfide                  | -- | -- | -- | -- | --    | 3    | U |  |  |  | 3    | U |  |  |  | 3    | U |  |  |  | 3    | U |  |  |      | 3    | U |  |  |      | 3    | U |  |   |      | 3    | U |  |      |  |  |  |
| Carbon Tetrachloride              | -- | -- | -- | -- | 0.3   | 0.02 | U |  |  |  | 0.02 | U |  |  |  | 0.02 | U |  |  |  | 0.02 | U |  |  |      | 0.02 | U |  |  |      | 0.02 | U |  |   |      | 0.02 | U |  |      |  |  |  |
| Chlorobenzene                     | -- | -- | -- | -- | --    | 0.03 | U |  |  |  | 0.03 | U |  |  |  | 0.03 | U |  |  |  | 0.03 | U |  |  |      | 0.03 | U |  |  |      | 0.03 | U |  |   |      | 0.03 | U |  |      |  |  |  |
| Chlorodibromomethane              | -- | -- | -- | -- | 0.5   | 0.1  | U |  |  |  | 0.1  | U |  |  |  | 0.1  | U |  |  |  | 0.1  | U |  |  |      | 0.1  | U |  |  |      | 0.1  | U |  |   |      | 0.1  | U |  |      |  |  |  |
| Chloroethane                      | -- | -- | -- | -- | --    | 0.02 | U |  |  |  | 0.02 | U |  |  |  | 0.02 | U |  |  |  | 0.02 | U |  |  |      | 0.02 | U |  |  |      | 0.02 | U |  |   |      | 0.02 | U |  |      |  |  |  |
| Chloroform                        | -- | -- | -- | -- | 7     | 1    | U |  |  |  | 1    | U |  |  |  | 1    | U |  |  |  | 1    | U |  |  |      | 1    | U |  |  |      | 1    | U |  |   |      | 1    | U |  |      |  |  |  |
| Chloromethane                     | -- | -- | -- | -- | --    | 0.1  | U |  |  |  | 0.1  | U |  |  |  | 0.1  | U |  |  |  | 0.1  | U |  |  |      | 0.1  | U |  |  |      | 0.1  | U |  |   |      | 0.1  | U |  |      |  |  |  |
| cis-1,2-Dichloroethene            | -- | -- | -- | -- | --    | 0.03 | U |  |  |  | 0.03 | U |  |  |  | 0.03 | U |  |  |  | 0.13 |   |  |  | 0.11 |      |   |  |  | 0.03 | U    |   |  |   | 0.03 | U    |   |  |      |  |  |  |
| cis-1,3-Dichloropropene           | -- | -- | -- | -- | 0.2   | 0.03 | U |  |  |  | 0.03 | U |  |  |  | 0.03 | U |  |  |  | 0.03 | U |  |  |      | 0.03 | U |  |  |      | 0.03 | U |  |   |      | 0.03 | U |  |      |  |  |  |
| Dibromomethane                    | -- | -- | -- | -- | --    | 0.02 | U |  |  |  | 0.02 | U |  |  |  | 0.02 | U |  |  |  | 0.02 | U |  |  |      | 0.02 | U |  |  |      | 0.02 | U |  |   |      | 0.02 | U |  |      |  |  |  |
| Ethyl Benzene                     | -- | -- | -- | -- | --    | 1    | U |  |  |  | 1    | U |  |  |  | 1    | U |  |  |  | 1    | U |  |  |      | 1    | U |  |  |      | 1    | U |  |   |      | 1    | U |  |      |  |  |  |
| m,p-Xylene                        | -- | -- | -- | -- | --    | 5    | U |  |  |  | 5    | U |  |  |  | 5    | U |  |  |  | 5    | U |  |  |      | 5    | U |  |  |      | 5    | U |  |   |      | 5    | U |  |      |  |  |  |
| Methyl Iodide                     | -- | -- | -- | -- | --    | 3    | U |  |  |  | 3    | U |  |  |  | 3    | U |  |  |  | 3    | U |  |  |      | 3    | U |  |  |      | 3    | U |  |   |      | 3    | U |  |      |  |  |  |
| Methylene Chloride                | -- | -- | -- | -- | 5     | 3    | U |  |  |  | 3    | U |  |  |  | 3    | U |  |  |  | 3.00 | U |  |  |      | 3    | U |  |  |      | 3    | U |  |   |      | 3    | U |  |      |  |  |  |
| o-Xylene                          | -- | -- | -- | -- | --    | 1.5  | U |  |  |  | 1.5  | U |  |  |  | 1.5  | U |  |  |  | 1.5  | U |  |  |      | 1.5  | U |  |  |      | 1.5  | U |  |   |      | 1.5  | U |  |      |  |  |  |
| Styrene                           | -- | -- | -- | -- | --    | 2    | U |  |  |  | 2    | U |  |  |  | 2    | U |  |  |  | 2    | U |  |  |      | 2    | U |  |  |      | 2    | U |  |   |      | 2    | U |  |      |  |  |  |
| Tetrachloroethylene               | -- | -- | -- | -- | 0.8   | 0.03 | U |  |  |  | 0.03 | U |  |  |  | 0.03 | U |  |  |  | 0.03 | U |  |  |      | 0.03 | U |  |  |      | 0.03 | U |  |   |      | 0.03 | U |  |      |  |  |  |
| Toluene                           | -- | -- | -- | -- | --    | 2    | U |  |  |  | 2    | U |  |  |  | 2    | U |  |  |  | 2    | U |  |  |      | 2    | U |  |  |      | 2    | U |  |   |      | 2    | U |  |      |  |  |  |
| trans-1,2-Dichloroethene          | -- | -- | -- | -- | --    | 1    | U |  |  |  | 1    | U |  |  |  | 1.0  | U |  |  |  | 1    | U |  |  |      | 1    | U |  |  |      | 1    | U |  |   |      | 1    | U |  |      |  |  |  |
| trans-1,3-Dichloropropene         | -- | -- | -- | -- | 0.2   | 0.03 | U |  |  |  | 0.03 | U |  |  |  | 0.03 | U |  |  |  | 0.03 | U |  |  |      | 0.03 | U |  |  |      | 0.03 | U |  |   |      | 0.03 | U |  |      |  |  |  |
| trans-1,4-Dichloro-2-butene       | -- | -- | -- | -- | --    | 2    | U |  |  |  | 2    | U |  |  |  | 2    | U |  |  |  | 2    | U |  |  |      | 2    | U |  |  |      | 2    | U |  |   |      | 2    | U |  |      |  |  |  |
| Trichloroethene (1,1,2-Trichloroe | -- | -- | -- | -- | 3     | 2    | U |  |  |  | 2    | U |  |  |  | 2    | U |  |  |  | 2    | U |  |  |      | 2    | U |  |  |      | 2    | U |  |   |      | 2    | U |  |      |  |  |  |
| Trichlorofluoromethane            | -- | -- | -- | -- | --    | 2    | U |  |  |  | 2    | U |  |  |  | 2    | U |  |  |  | 2    | U |  |  |      | 2    | U |  |  |      | 2    | U |  |   |      | 2    | U |  |      |  |  |  |
| Vinyl Acetate                     | -- | -- | -- | -- | --    | 3    | U |  |  |  | 3    | U |  |  |  | 3    | U |  |  |  | 3    | U |  |  |      | 3    | U |  |  |      | 3    | U |  |   |      | 3    | U |  |      |  |  |  |
| Vinyl Chloride                    | -- | -- | -- | -- | 0.02  | 0.01 | U |  |  |  | 0.01 | U |  |  |  | 0.01 | U |  |  |  | 0.20 |   |  |  | 0.01 | U    |   |  |  | 0.01 | U    |   |  |   | 0.01 | U    |   |  |      |  |  |  |

V: E= Exceedance, waiting verification based on subsequent lab data; V= Exceedance verified based on previous lab data; P=Passed, previous exceedance not verified based on current lab data.

Ch: Y indicates a change in trend from previous quarter; N means no change in trend.

indicates that a value exceeded the Groundwater Standards

The groundwater standards listed are based on the Washington Administrative Code (WAC) 173-200 groundwater limits or WAC 246-290, whichever is more protective of groundwater quality.

Table 2

## Most Current Downgradient Monitoring Data

| Constituent            | Units     | Well  | Date       |    | Result   |     | Pred. Limit |
|------------------------|-----------|-------|------------|----|----------|-----|-------------|
| Alkalinity (as caco3)  | mg/L      | G-01D | 04/01/2025 |    | 232.0000 |     | 280.0000    |
| Ammonia nitrogen       | mg-N/L    | G-01D | 04/01/2025 |    | 0.1690   |     | 0.2490      |
| Antimony               | mg/L      | G-01D | 04/01/2025 | ND | 0.0001   |     | 0.0008      |
| Arsenic                | mg/L      | G-01D | 04/01/2025 |    | 0.0006   |     | 9.6282      |
| Barium                 | mg/L      | G-01D | 04/01/2025 |    | 0.0170   |     | 0.0439      |
| Beryllium              | mg/L      | G-01D | 04/01/2025 | ND | 0.0001   |     | 0.0005      |
| Bicarbonate            | mg/L      | G-01D | 04/01/2025 |    | 111.0000 |     | 280.0000    |
| Cadmium                | mg/L      | G-01D | 04/01/2025 | ND | 0.0001   |     | 0.0003      |
| Chemical oxygen demand | mg/L      | G-01D | 04/01/2025 | ND | 2.1100   |     | 28.0000     |
| Chloride               | mg/L      | G-01D | 04/01/2025 |    | 7.6000   | *   | 6.6000      |
| Chromium               | mg/L      | G-01D | 04/01/2025 | ND | 0.0170   |     | 0.0490      |
| Cobalt, Total          | mg/L      | G-01D | 04/01/2025 | ND | 0.0020   |     | 0.0050      |
| Conductivity           | umhos/cm  | G-01D | 04/01/2025 |    | 585.0000 | *** | 530.0000    |
| Copper                 | mg/L      | G-01D | 04/01/2025 | ND | 0.0100   |     | 0.0150      |
| Dissolved calcium      | mg/L      | G-01D | 04/01/2025 |    | 0.6540   |     | 1.5900      |
| Dissolved iron         | mg/L      | G-01D | 04/01/2025 |    | 0.1550   |     | 0.8710      |
| Dissolved magnesium    | mg/L      | G-01D | 04/01/2025 |    | 0.0520   |     | 2.3300      |
| Dissolved manganese    | mg/L      | G-01D | 04/01/2025 | ND | 0.0070   |     | 0.0190      |
| Dissolved potassium    | mg/L      | G-01D | 04/01/2025 | ND | 0.0080   |     | 3.0602      |
| Dissolved sodium       | mg/L      | G-01D | 04/01/2025 |    | 130.0000 |     | 137.4934    |
| Iron                   | mg/L      | G-01D | 04/01/2025 |    | 2.3700   |     | 107.9130    |
| Lead                   | mg/L      | G-01D | 04/01/2025 |    | 0.0003   |     | 0.0019      |
| Manganese              | mg/L      | G-01D | 04/01/2025 | ND | 0.0100   |     | 0.1520      |
| Nickel                 | mg/L      | G-01D | 04/01/2025 | ND | 0.0040   |     | 0.0910      |
| Nitrate nitrogen       | mg-N/L    | G-01D | 04/01/2025 | ND | 0.0114   |     | 0.2800      |
| Nitrite nitrogen       | mg-N/L    | G-01D | 04/01/2025 |    | 0.0260   |     | 0.0650      |
| pH                     | std units | G-01D | 04/01/2025 |    | 8.6600   |     | 7.85 - 9.88 |
| Selenium               | mg/L      | G-01D | 04/01/2025 | ND | 0.0007   |     | 0.0023      |
| Silver                 | mg/L      | G-01D | 04/01/2025 | ND | 0.0000   |     | 0.0006      |
| Sulfate                | mg/L      | G-01D | 04/01/2025 |    | 50.1000  |     | 220.0831    |
| Thallium               | mg/L      | G-01D | 04/01/2025 | ND | 0.0000   |     | 0.0001      |
| Total dissolved solids | mg/L      | G-01D | 04/01/2025 |    | 366.0000 | *   | 355.0000    |
| Total organic carbon   | mg/L      | G-01D | 04/01/2025 |    | 1.3000   |     | 6.3173      |
| Vanadium               | mg/L      | G-01D | 04/01/2025 | ND | 0.0160   |     | 0.0430      |
| Zinc                   | mg/L      | G-01D | 04/01/2025 | ND | 0.0080   |     | 0.0380      |
| Alkalinity (as caco3)  | mg/L      | G-02D | 04/01/2025 |    | 99.2000  |     | 280.0000    |
| Ammonia nitrogen       | mg-N/L    | G-02D | 04/01/2025 |    | 0.0600   | **  | 0.2490      |
| Antimony               | mg/L      | G-02D | 04/01/2025 |    | 0.0004   |     | 0.0008      |
| Arsenic                | mg/L      | G-02D | 04/01/2025 |    | 0.0058   |     | 9.6282      |
| Barium                 | mg/L      | G-02D | 04/01/2025 |    | 0.0460   | *   | 0.0439      |
| Beryllium              | mg/L      | G-02D | 04/01/2025 | ND | 0.0001   |     | 0.0005      |
| Bicarbonate            | mg/L      | G-02D | 04/01/2025 |    | 99.2000  |     | 280.0000    |
| Cadmium                | mg/L      | G-02D | 04/01/2025 | ND | 0.0001   |     | 0.0003      |
| Chemical oxygen demand | mg/L      | G-02D | 04/01/2025 | ND | 2.1100   |     | 28.0000     |
| Chloride               | mg/L      | G-02D | 04/01/2025 |    | 6.0200   |     | 6.6000      |
| Chromium               | mg/L      | G-02D | 04/01/2025 | ND | 0.0170   |     | 0.0490      |
| Cobalt, Total          | mg/L      | G-02D | 04/01/2025 | ND | 0.0020   |     | 0.0050      |
| Conductivity           | umhos/cm  | G-02D | 04/01/2025 |    | 348.0000 |     | 530.0000    |
| Copper                 | mg/L      | G-02D | 04/01/2025 |    | 0.0170   | *** | 0.0150      |
| Dissolved calcium      | mg/L      | G-02D | 04/01/2025 |    | 0.2570   |     | 1.5900      |
| Dissolved iron         | mg/L      | G-02D | 04/01/2025 |    | 0.1330   |     | 0.8710      |
| Dissolved magnesium    | mg/L      | G-02D | 04/01/2025 | ND | 0.0040   |     | 2.3300      |
| Dissolved manganese    | mg/L      | G-02D | 04/01/2025 | ND | 0.0070   |     | 0.0190      |
| Dissolved potassium    | mg/L      | G-02D | 04/01/2025 | ND | 0.0080   |     | 3.0602      |
| Dissolved sodium       | mg/L      | G-02D | 04/01/2025 |    | 80.5000  |     | 137.4934    |
| Iron                   | mg/L      | G-02D | 04/01/2025 |    | 5.7000   |     | 107.9130    |
| Lead                   | mg/L      | G-02D | 04/01/2025 |    | 0.0015   | **  | 0.0019      |
| Manganese              | mg/L      | G-02D | 04/01/2025 |    | 0.0810   |     | 0.1520      |
| Nickel                 | mg/L      | G-02D | 04/01/2025 | ND | 0.0040   |     | 0.0910      |
| Nitrate nitrogen       | mg-N/L    | G-02D | 04/01/2025 |    | 0.0870   |     | 0.2800      |
| Nitrite nitrogen       | mg-N/L    | G-02D | 04/01/2025 |    | 0.0070   |     | 0.0650      |
| pH                     | std units | G-02D | 04/01/2025 |    | 6.9000   | *** | 7.85 - 9.88 |
| Selenium               | mg/L      | G-02D | 04/01/2025 | ND | 0.0007   |     | 0.0023      |
| Silver                 | mg/L      | G-02D | 04/01/2025 | ND | 0.0000   |     | 0.0006      |
| Sulfate                | mg/L      | G-02D | 04/01/2025 |    | 62.1000  |     | 220.0831    |
| Thallium               | mg/L      | G-02D | 04/01/2025 | ND | 0.0000   |     | 0.0001      |
| Total dissolved solids | mg/L      | G-02D | 04/01/2025 |    | 240.0000 |     | 355.0000    |

Table 2

## Most Current Downgradient Monitoring Data

| Constituent            | Units     | Well   | Date       |    | Result   |     | Pred. Limit |
|------------------------|-----------|--------|------------|----|----------|-----|-------------|
| Total organic carbon   | mg/L      | G-02D  | 04/01/2025 |    | 0.9000   |     | 6.3173      |
| Vanadium               | mg/L      | G-02D  | 04/01/2025 | ND | 0.0160   |     | 0.0430      |
| Zinc                   | mg/L      | G-02D  | 04/01/2025 |    | 0.0130   |     | 0.0380      |
| Alkalinity (as caco3)  | mg/L      | G-06B  | 04/01/2025 |    | 264.0000 |     | 280.0000    |
| Ammonia nitrogen       | mg-N/L    | G-06B  | 04/01/2025 |    | 0.0440   |     | 0.2490      |
| Antimony               | mg/L      | G-06B  | 04/01/2025 | ND | 0.0001   |     | 0.0008      |
| Arsenic                | mg/L      | G-06B  | 04/01/2025 |    | 0.0042   |     | 9.6282      |
| Barium                 | mg/L      | G-06B  | 04/01/2025 |    | 0.0120   |     | 0.0439      |
| Beryllium              | mg/L      | G-06B  | 04/01/2025 | ND | 0.0001   |     | 0.0005      |
| Bicarbonate            | mg/L      | G-06B  | 04/01/2025 |    | 232.0000 |     | 280.0000    |
| Cadmium                | mg/L      | G-06B  | 04/01/2025 | ND | 0.0001   |     | 0.0003      |
| Chemical oxygen demand | mg/L      | G-06B  | 04/01/2025 |    | 11.3000  |     | 28.0000     |
| Chloride               | mg/L      | G-06B  | 04/01/2025 |    | 7.3800   | *   | 6.6000      |
| Chromium               | mg/L      | G-06B  | 04/01/2025 | ND | 0.0170   |     | 0.0490      |
| Cobalt, Total          | mg/L      | G-06B  | 04/01/2025 | ND | 0.0020   |     | 0.0050      |
| Conductivity           | umhos/cm  | G-06B  | 04/01/2025 |    | 663.0000 | *** | 530.0000    |
| Copper                 | mg/L      | G-06B  | 04/01/2025 | ND | 0.0100   | **  | 0.0150      |
| Dissolved calcium      | mg/L      | G-06B  | 04/01/2025 |    | 0.9770   |     | 1.5900      |
| Dissolved iron         | mg/L      | G-06B  | 04/01/2025 |    | 0.0430   |     | 0.8710      |
| Dissolved magnesium    | mg/L      | G-06B  | 04/01/2025 |    | 0.0600   |     | 2.3300      |
| Dissolved manganese    | mg/L      | G-06B  | 04/01/2025 |    | 0.0150   |     | 0.0190      |
| Dissolved potassium    | mg/L      | G-06B  | 04/01/2025 | ND | 0.0080   |     | 3.0602      |
| Dissolved sodium       | mg/L      | G-06B  | 04/01/2025 |    | 170.0000 | *** | 137.4934    |
| Iron                   | mg/L      | G-06B  | 04/01/2025 |    | 1.2100   |     | 107.9130    |
| Lead                   | mg/L      | G-06B  | 04/01/2025 |    | 0.0005   |     | 0.0019      |
| Manganese              | mg/L      | G-06B  | 04/01/2025 |    | 0.0460   |     | 0.1520      |
| Nickel                 | mg/L      | G-06B  | 04/01/2025 | ND | 0.0040   |     | 0.0910      |
| Nitrate nitrogen       | mg-N/L    | G-06B  | 04/01/2025 |    | 0.3270   | *** | 0.2800      |
| Nitrite nitrogen       | mg-N/L    | G-06B  | 04/01/2025 |    | 0.0020   |     | 0.0650      |
| pH                     | std units | G-06B  | 04/01/2025 |    | 7.3400   | *** | 7.85 - 9.88 |
| Selenium               | mg/L      | G-06B  | 04/01/2025 | ND | 0.0007   |     | 0.0023      |
| Silver                 | mg/L      | G-06B  | 04/01/2025 | ND | 0.0000   |     | 0.0006      |
| Sulfate                | mg/L      | G-06B  | 04/01/2025 |    | 63.6000  |     | 220.0831    |
| Thallium               | mg/L      | G-06B  | 04/01/2025 | ND | 0.0000   |     | 0.0001      |
| Total dissolved solids | mg/L      | G-06B  | 04/01/2025 |    | 407.0000 | *   | 355.0000    |
| Total organic carbon   | mg/L      | G-06B  | 04/01/2025 |    | 2.0000   |     | 6.3173      |
| Vanadium               | mg/L      | G-06B  | 04/01/2025 | ND | 0.0160   |     | 0.0430      |
| Zinc                   | mg/L      | G-06B  | 04/01/2025 | ND | 0.0080   |     | 0.0380      |
| Alkalinity (as caco3)  | mg/L      | G-08D2 | 04/01/2025 |    | 187.0000 |     | 280.0000    |
| Ammonia nitrogen       | mg-N/L    | G-08D2 | 04/01/2025 |    | 0.1970   |     | 0.2490      |
| Antimony               | mg/L      | G-08D2 | 04/01/2025 | ND | 0.0001   |     | 0.0008      |
| Arsenic                | mg/L      | G-08D2 | 04/01/2025 |    | 0.0016   |     | 9.6282      |
| Barium                 | mg/L      | G-08D2 | 04/01/2025 |    | 0.0460   | *   | 0.0439      |
| Beryllium              | mg/L      | G-08D2 | 04/01/2025 | ND | 0.0001   |     | 0.0005      |
| Bicarbonate            | mg/L      | G-08D2 | 04/01/2025 | ND | 1.0000   |     | 280.0000    |
| Cadmium                | mg/L      | G-08D2 | 04/01/2025 | ND | 0.0001   |     | 0.0003      |
| Chemical oxygen demand | mg/L      | G-08D2 | 04/01/2025 | ND | 2.1100   |     | 28.0000     |
| Chloride               | mg/L      | G-08D2 | 04/01/2025 |    | 3.2600   |     | 6.6000      |
| Chromium               | mg/L      | G-08D2 | 04/01/2025 | ND | 0.0170   |     | 0.0490      |
| Cobalt, Total          | mg/L      | G-08D2 | 04/01/2025 | ND | 0.0020   |     | 0.0050      |
| Conductivity           | umhos/cm  | G-08D2 | 04/01/2025 |    | 476.0000 |     | 530.0000    |
| Copper                 | mg/L      | G-08D2 | 04/01/2025 | ND | 0.0100   |     | 0.0150      |
| Dissolved calcium      | mg/L      | G-08D2 | 04/01/2025 |    | 0.3660   |     | 1.5900      |
| Dissolved iron         | mg/L      | G-08D2 | 04/01/2025 | ND | 0.0230   |     | 0.8710      |
| Dissolved magnesium    | mg/L      | G-08D2 | 04/01/2025 | ND | 0.0040   |     | 2.3300      |
| Dissolved manganese    | mg/L      | G-08D2 | 04/01/2025 | ND | 0.0070   |     | 0.0190      |
| Dissolved potassium    | mg/L      | G-08D2 | 04/01/2025 | ND | 0.0080   |     | 3.0602      |
| Dissolved sodium       | mg/L      | G-08D2 | 04/01/2025 |    | 103.0000 |     | 137.4934    |
| Iron                   | mg/L      | G-08D2 | 04/01/2025 |    | 8.7700   |     | 107.9130    |
| Lead                   | mg/L      | G-08D2 | 04/01/2025 |    | 0.0011   |     | 0.0019      |
| Manganese              | mg/L      | G-08D2 | 04/01/2025 |    | 0.1730   | *** | 0.1520      |
| Nickel                 | mg/L      | G-08D2 | 04/01/2025 | ND | 0.0040   |     | 0.0910      |
| Nitrate nitrogen       | mg-N/L    | G-08D2 | 04/01/2025 | ND | 0.0114   |     | 0.2800      |
| Nitrite nitrogen       | mg-N/L    | G-08D2 | 04/01/2025 |    | 0.0040   |     | 0.0650      |
| pH                     | std units | G-08D2 | 04/01/2025 |    | 9.1100   |     | 7.85 - 9.88 |
| Selenium               | mg/L      | G-08D2 | 04/01/2025 | ND | 0.0007   |     | 0.0023      |
| Silver                 | mg/L      | G-08D2 | 04/01/2025 | ND | 0.0000   |     | 0.0006      |



Table 2

## Most Current Downgradient Monitoring Data

| Constituent            | Units     | Well   | Date       |    | Result    |     | Pred. Limit |
|------------------------|-----------|--------|------------|----|-----------|-----|-------------|
| Sulfate                | mg/L      | G-08D2 | 04/01/2025 |    | 44.7000   |     | 220.0831    |
| Thallium               | mg/L      | G-08D2 | 04/01/2025 | ND | 0.0000    |     | 0.0001      |
| Total dissolved solids | mg/L      | G-08D2 | 04/01/2025 |    | 300.0000  |     | 355.0000    |
| Total organic carbon   | mg/L      | G-08D2 | 04/01/2025 |    | 1.4000    |     | 6.3173      |
| Vanadium               | mg/L      | G-08D2 | 04/01/2025 |    | 0.0240    |     | 0.0430      |
| Zinc                   | mg/L      | G-08D2 | 04/01/2025 |    | 0.0150    |     | 0.0380      |
| Alkalinity (as caco3)  | mg/L      | G-09D  | 04/02/2025 |    | 195.0000  |     | 280.0000    |
| Ammonia nitrogen       | mg-N/L    | G-09D  | 04/02/2025 |    | 0.1540    |     | 0.2490      |
| Antimony               | mg/L      | G-09D  | 04/02/2025 | ND | 0.0001    |     | 0.0008      |
| Arsenic                | mg/L      | G-09D  | 04/02/2025 |    | 0.0034    |     | 9.6282      |
| Barium                 | mg/L      | G-09D  | 04/02/2025 |    | 0.0110    |     | 0.0439      |
| Beryllium              | mg/L      | G-09D  | 04/02/2025 | ND | 0.0001    |     | 0.0005      |
| Bicarbonate            | mg/L      | G-09D  | 04/02/2025 |    | 107.0000  |     | 280.0000    |
| Cadmium                | mg/L      | G-09D  | 04/02/2025 | ND | 0.0001    |     | 0.0003      |
| Chemical oxygen demand | mg/L      | G-09D  | 04/02/2025 | ND | 2.1100    |     | 28.0000     |
| Chloride               | mg/L      | G-09D  | 04/02/2025 |    | 6.1900    |     | 6.6000      |
| Chromium               | mg/L      | G-09D  | 04/02/2025 | ND | 0.0170    |     | 0.0490      |
| Cobalt, Total          | mg/L      | G-09D  | 04/02/2025 | ND | 0.0020    |     | 0.0050      |
| Conductivity           | umhos/cm  | G-09D  | 04/02/2025 |    | 618.0000  | *** | 530.0000    |
| Copper                 | mg/L      | G-09D  | 04/02/2025 | ND | 0.0100    |     | 0.0150      |
| Dissolved calcium      | mg/L      | G-09D  | 04/02/2025 |    | 1.1900    |     | 1.5900      |
| Dissolved iron         | mg/L      | G-09D  | 04/02/2025 |    | 0.0300    |     | 0.8710      |
| Dissolved magnesium    | mg/L      | G-09D  | 04/02/2025 |    | 0.0590    |     | 2.3300      |
| Dissolved manganese    | mg/L      | G-09D  | 04/02/2025 | ND | 0.0070    |     | 0.0190      |
| Dissolved potassium    | mg/L      | G-09D  | 04/02/2025 |    | 0.5290    |     | 3.0602      |
| Dissolved sodium       | mg/L      | G-09D  | 04/02/2025 |    | 153.0000  | *   | 137.4934    |
| Iron                   | mg/L      | G-09D  | 04/02/2025 |    | 2.0200    |     | 107.9130    |
| Lead                   | mg/L      | G-09D  | 04/02/2025 |    | 0.0018    |     | 0.0019      |
| Manganese              | mg/L      | G-09D  | 04/02/2025 |    | 0.0920    |     | 0.1520      |
| Nickel                 | mg/L      | G-09D  | 04/02/2025 |    | 0.0490    |     | 0.0910      |
| Nitrate nitrogen       | mg-N/L    | G-09D  | 04/02/2025 | ND | 0.0114    |     | 0.2800      |
| Nitrite nitrogen       | mg-N/L    | G-09D  | 04/02/2025 |    | 0.0090    |     | 0.0650      |
| pH                     | std units | G-09D  | 04/02/2025 |    | 8.8000    |     | 7.85 - 9.88 |
| Selenium               | mg/L      | G-09D  | 04/02/2025 | ND | 0.0007    |     | 0.0023      |
| Silver                 | mg/L      | G-09D  | 04/02/2025 | ND | 0.0000    |     | 0.0006      |
| Sulfate                | mg/L      | G-09D  | 04/02/2025 |    | 117.0000  |     | 220.0831    |
| Thallium               | mg/L      | G-09D  | 04/02/2025 | ND | 0.0000    |     | 0.0001      |
| Total dissolved solids | mg/L      | G-09D  | 04/02/2025 |    | 395.0000  | *** | 355.0000    |
| Total organic carbon   | mg/L      | G-09D  | 04/02/2025 |    | 2.4200    |     | 6.3173      |
| Vanadium               | mg/L      | G-09D  | 04/02/2025 | ND | 0.0160    | **  | 0.0430      |
| Zinc                   | mg/L      | G-09D  | 04/02/2025 | ND | 0.0080    |     | 0.0380      |
| Alkalinity (as caco3)  | mg/L      | G-10D  | 04/02/2025 |    | 509.5000  | *** | 280.0000    |
| Ammonia nitrogen       | mg-N/L    | G-10D  | 04/02/2025 |    | 0.5155    | *** | 0.2490      |
| Antimony               | mg/L      | G-10D  | 04/02/2025 | ND | 0.0001    |     | 0.0008      |
| Arsenic                | mg/L      | G-10D  | 04/02/2025 |    | 0.0015    |     | 9.6282      |
| Barium                 | mg/L      | G-10D  | 04/02/2025 | ND | 0.0050    |     | 0.0439      |
| Beryllium              | mg/L      | G-10D  | 04/02/2025 | ND | 0.0001    |     | 0.0005      |
| Bicarbonate            | mg/L      | G-10D  | 04/02/2025 |    | 509.5000  | *** | 280.0000    |
| Cadmium                | mg/L      | G-10D  | 04/02/2025 | ND | 0.0001    |     | 0.0003      |
| Chemical oxygen demand | mg/L      | G-10D  | 04/02/2025 |    | 28.9550   | *   | 28.0000     |
| Chloride               | mg/L      | G-10D  | 04/02/2025 |    | 17.8500   | *** | 6.6000      |
| Chromium               | mg/L      | G-10D  | 04/02/2025 | ND | 0.0170    |     | 0.0490      |
| Cobalt, Total          | mg/L      | G-10D  | 04/02/2025 | ND | 0.0020    |     | 0.0050      |
| Conductivity           | umhos/cm  | G-10D  | 04/02/2025 |    | 1420.0000 | *   | 530.0000    |
| Copper                 | mg/L      | G-10D  | 04/02/2025 | ND | 0.0100    |     | 0.0150      |
| Dissolved calcium      | mg/L      | G-10D  | 04/02/2025 |    | 16.0000   | *** | 1.5900      |
| Dissolved iron         | mg/L      | G-10D  | 04/02/2025 | ND | 0.0230    |     | 0.8710      |
| Dissolved magnesium    | mg/L      | G-10D  | 04/02/2025 |    | 1.3000    |     | 2.3300      |
| Dissolved manganese    | mg/L      | G-10D  | 04/02/2025 |    | 0.2690    | *** | 0.0190      |
| Dissolved potassium    | mg/L      | G-10D  | 04/02/2025 |    | 1.9100    |     | 3.0602      |
| Dissolved sodium       | mg/L      | G-10D  | 04/02/2025 |    | 334.0000  | *** | 137.4934    |
| Iron                   | mg/L      | G-10D  | 04/02/2025 |    | 0.3975    |     | 107.9130    |
| Lead                   | mg/L      | G-10D  | 04/02/2025 | ND | 0.0001    |     | 0.0019      |
| Manganese              | mg/L      | G-10D  | 04/02/2025 |    | 0.2675    | *** | 0.1520      |
| Nickel                 | mg/L      | G-10D  | 04/02/2025 |    | 0.0495    |     | 0.0910      |
| Nitrate nitrogen       | mg-N/L    | G-10D  | 04/02/2025 | ND | 0.0114    |     | 0.2800      |
| Nitrite nitrogen       | mg-N/L    | G-10D  | 04/02/2025 | ND | 0.0020    |     | 0.0650      |

Table 2

## Most Current Downgradient Monitoring Data

| Constituent            | Units     | Well  | Date       |    | Result   |     | Pred. Limit |
|------------------------|-----------|-------|------------|----|----------|-----|-------------|
| pH                     | std units | G-10D | 04/02/2025 |    | 6.6100   | *** | 7.85 - 9.88 |
| Selenium               | mg/L      | G-10D | 04/02/2025 | ND | 0.0007   |     | 0.0023      |
| Silver                 | mg/L      | G-10D | 04/02/2025 | ND | 0.0000   |     | 0.0006      |
| Sulfate                | mg/L      | G-10D | 04/02/2025 |    | 248.0000 | *** | 220.0831    |
| Thallium               | mg/L      | G-10D | 04/02/2025 | ND | 0.0000   |     | 0.0001      |
| Total dissolved solids | mg/L      | G-10D | 04/02/2025 |    | 950.5000 | *** | 355.0000    |
| Total organic carbon   | mg/L      | G-10D | 04/02/2025 |    | 3.2850   |     | 6.3173      |
| Vanadium               | mg/L      | G-10D | 04/02/2025 | ND | 0.0160   | **  | 0.0430      |
| Zinc                   | mg/L      | G-10D | 04/02/2025 | ND | 0.0080   |     | 0.0380      |
| Alkalinity (as caco3)  | mg/L      | G-13D | 04/02/2025 |    | 185.0000 |     | 280.0000    |
| Ammonia nitrogen       | mg-N/L    | G-13D | 04/02/2025 |    | 0.0900   |     | 0.2490      |
| Antimony               | mg/L      | G-13D | 04/02/2025 | ND | 0.0001   |     | 0.0008      |
| Arsenic                | mg/L      | G-13D | 04/02/2025 |    | 0.0004   |     | 9.6282      |
| Barium                 | mg/L      | G-13D | 04/02/2025 | ND | 0.0050   |     | 0.0439      |
| Beryllium              | mg/L      | G-13D | 04/02/2025 | ND | 0.0001   |     | 0.0005      |
| Bicarbonate            | mg/L      | G-13D | 04/02/2025 |    | 91.8000  |     | 280.0000    |
| Cadmium                | mg/L      | G-13D | 04/02/2025 | ND | 0.0001   |     | 0.0003      |
| Chemical oxygen demand | mg/L      | G-13D | 04/02/2025 | ND | 2.1100   |     | 28.0000     |
| Chloride               | mg/L      | G-13D | 04/02/2025 |    | 13.1000  | *   | 6.6000      |
| Chromium               | mg/L      | G-13D | 04/02/2025 | ND | 0.0170   |     | 0.0490      |
| Cobalt, Total          | mg/L      | G-13D | 04/02/2025 | ND | 0.0020   |     | 0.0050      |
| Conductivity           | umhos/cm  | G-13D | 04/02/2025 |    | 449.0000 |     | 530.0000    |
| Copper                 | mg/L      | G-13D | 04/02/2025 | ND | 0.0100   |     | 0.0150      |
| Dissolved calcium      | mg/L      | G-13D | 04/02/2025 |    | 0.3300   |     | 1.5900      |
| Dissolved iron         | mg/L      | G-13D | 04/02/2025 | ND | 0.0230   |     | 0.8710      |
| Dissolved magnesium    | mg/L      | G-13D | 04/02/2025 | ND | 0.0040   |     | 2.3300      |
| Dissolved manganese    | mg/L      | G-13D | 04/02/2025 | ND | 0.0070   |     | 0.0190      |
| Dissolved potassium    | mg/L      | G-13D | 04/02/2025 | ND | 0.0080   |     | 3.0602      |
| Dissolved sodium       | mg/L      | G-13D | 04/02/2025 |    | 105.0000 |     | 137.4934    |
| Iron                   | mg/L      | G-13D | 04/02/2025 |    | 0.7680   |     | 107.9130    |
| Lead                   | mg/L      | G-13D | 04/02/2025 | ND | 0.0001   |     | 0.0019      |
| Manganese              | mg/L      | G-13D | 04/02/2025 |    | 0.0120   |     | 0.1520      |
| Nickel                 | mg/L      | G-13D | 04/02/2025 |    | 0.0490   |     | 0.0910      |
| Nitrate nitrogen       | mg-N/L    | G-13D | 04/02/2025 | ND | 0.0114   |     | 0.2800      |
| Nitrite nitrogen       | mg-N/L    | G-13D | 04/02/2025 |    | 0.0100   |     | 0.0650      |
| pH                     | std units | G-13D | 04/02/2025 |    | 8.6400   |     | 7.85 - 9.88 |
| Selenium               | mg/L      | G-13D | 04/02/2025 | ND | 0.0007   |     | 0.0023      |
| Silver                 | mg/L      | G-13D | 04/02/2025 | ND | 0.0000   |     | 0.0006      |
| Sulfate                | mg/L      | G-13D | 04/02/2025 |    | 34.0000  |     | 220.0831    |
| Thallium               | mg/L      | G-13D | 04/02/2025 | ND | 0.0000   |     | 0.0001      |
| Total dissolved solids | mg/L      | G-13D | 04/02/2025 |    | 272.0000 |     | 355.0000    |
| Total organic carbon   | mg/L      | G-13D | 04/02/2025 |    | 0.8400   |     | 6.3173      |
| Vanadium               | mg/L      | G-13D | 04/02/2025 | ND | 0.0160   |     | 0.0430      |
| Zinc                   | mg/L      | G-13D | 04/02/2025 | ND | 0.0080   |     | 0.0380      |

\* - Current value failed - awaiting verification.

\*\* - Current value passed - previous exceedance not verified.

\*\*\* - Current value failed - exceedance verified.

\*\*\*\* - Current value passed - awaiting one more verification.

\*\*\*\*\* - Insufficient background data to compute prediction limit.

ND = Not Detected, Result = detection limit.

Table 5

## Summary Statistics and Prediction Limits

| Constituent            | Units     | Detect | N  | Mean     | SD      | alpha  | Factor | Pred Limit | Type   |     | Conf |
|------------------------|-----------|--------|----|----------|---------|--------|--------|------------|--------|-----|------|
| Alkalinity (as caco3)  | mg/L      | 54     | 54 |          |         |        |        | 280.0000   | nonpar |     | 0.99 |
| Ammonia nitrogen       | mg-N/L    | 52     | 52 |          |         |        |        | 0.2490     | nonpar |     | 0.99 |
| Antimony               | mg/L      | 5      | 51 |          |         |        |        | 0.0008     | nonpar |     | 0.99 |
| Arsenic                | mg/L      | 41     | 53 | -6.0383  | 3.4272  | 0.0100 | 2.4227 | 9.6282     | lognor |     |      |
| Barium                 | mg/L      | 30     | 52 | 0.0106   | 0.0137  | 0.0100 | 2.4246 | 0.0439     | normal |     |      |
| Beryllium              | mg/L      | 2      | 53 |          |         |        |        | 0.0005     | nonpar | *** | 0.99 |
| Bicarbonate            | mg/L      | 54     | 54 |          |         |        |        | 280.0000   | nonpar |     | 0.99 |
| Cadmium                | mg/L      | 8      | 52 |          |         |        |        | 0.0003     | nonpar |     | 0.99 |
| Chemical oxygen demand | mg/L      | 7      | 50 |          |         |        |        | 28.0000    | nonpar |     | 0.99 |
| Chloride               | mg/L      | 53     | 53 |          |         |        |        | 6.6000     | nonpar |     | 0.99 |
| Chromium               | mg/L      | 17     | 53 |          |         |        |        | 0.0490     | nonpar |     | 0.99 |
| Cobalt, Total          | mg/L      | 3      | 50 |          |         |        |        | 0.0050     | nonpar |     | 0.99 |
| Conductivity           | umhos/cm  | 54     | 54 |          |         |        |        | 530.0000   | nonpar |     | 0.99 |
| Copper                 | mg/L      | 11     | 51 |          |         |        |        | 0.0150     | nonpar |     | 0.99 |
| Dissolved calcium      | mg/L      | 50     | 53 |          |         |        |        | 1.5900     | nonpar |     | 0.99 |
| Dissolved iron         | mg/L      | 26     | 54 |          |         |        |        | 0.8710     | nonpar |     | 0.99 |
| Dissolved magnesium    | mg/L      | 30     | 54 |          |         |        |        | 2.3300     | nonpar |     | 0.99 |
| Dissolved manganese    | mg/L      | 26     | 54 |          |         |        |        | 0.0190     | nonpar |     | 0.99 |
| Dissolved potassium    | mg/L      | 32     | 53 | -0.7662  | 0.7779  | 0.0100 | 2.4227 | 3.0602     | lognor |     |      |
| Dissolved sodium       | mg/L      | 54     | 54 | 111.7685 | 10.6264 | 0.0100 | 2.4209 | 137.4934   | normal |     |      |
| Iron                   | mg/L      | 45     | 50 | -0.5218  | 2.1423  | 0.0100 | 2.4288 | 107.9130   | lognor |     |      |
| Lead                   | mg/L      | 26     | 53 |          |         |        |        | 0.0019     | nonpar |     | 0.99 |
| Manganese              | mg/L      | 42     | 53 |          |         |        |        | 0.1520     | nonpar |     | 0.99 |
| Nickel                 | mg/L      | 13     | 52 |          |         |        |        | 0.0910     | nonpar |     | 0.99 |
| Nitrate nitrogen       | mg-N/L    | 18     | 51 |          |         |        |        | 0.2800     | nonpar |     | 0.99 |
| Nitrite nitrogen       | mg-N/L    | 27     | 54 |          |         |        |        | 0.0650     | nonpar |     | 0.99 |
| pH                     | std units | 54     | 54 |          |         |        |        | 7.85- 9.88 | nonpar |     | 0.99 |
| Selenium               | mg/L      | 11     | 53 |          |         |        |        | 0.0023     | nonpar |     | 0.99 |
| Silver                 | mg/L      | 4      | 53 |          |         |        |        | 0.0006     | nonpar |     | 0.99 |
| Sulfate                | mg/L      | 52     | 52 | 2.5344   | 1.1794  | 0.0100 | 2.4246 | 220.0831   | lognor |     |      |
| Thallium               | mg/L      | 8      | 53 |          |         |        |        | 0.0001     | nonpar |     | 0.99 |
| Total dissolved solids | mg/L      | 54     | 54 |          |         |        |        | 355.0000   | nonpar |     | 0.99 |
| Total organic carbon   | mg/L      | 50     | 50 | 0.8309   | 0.4168  | 0.0100 | 2.4288 | 6.3173     | lognor |     |      |
| Vanadium               | mg/L      | 13     | 52 |          |         |        |        | 0.0430     | nonpar |     | 0.99 |
| Zinc                   | mg/L      | 21     | 53 |          |         |        |        | 0.0380     | nonpar |     | 0.99 |

Conf = confidence level for passing initial test or one of two verification resamples at all downgradient wells for a single constituent (nonparametric test only).

\* - Insufficient Data.

\*\* - Calculated limit raised to Manual Reporting Limit.

\*\*\* - Nonparametric limit based on ND value.

For transformed data, mean and SD in transformed units and prediction limit in original units.

All sample sizes and statistics are based on outlier free data.

For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

**Groundwater Analytical Summary - Deep Wells: Third Quarter 2025**  
**Cathcart Landfill, Snohomish County, WA**

|                                                                 | Statistical Method | Number of Samples | Number of Detects | Prediction Limit | Primary GW Stds 173-200 |         |   |   |    |    |         |   |   |    |    |
|-----------------------------------------------------------------|--------------------|-------------------|-------------------|------------------|-------------------------|---------|---|---|----|----|---------|---|---|----|----|
|                                                                 |                    |                   |                   |                  |                         | G-09D   |   |   |    |    | G-10D   |   |   |    |    |
|                                                                 |                    |                   |                   |                  |                         | 7/22/25 | D | V | Tr | Ch | 7/22/25 | D | V | Tr | Ch |
| <b>CONVENTIONAL CHEMISTRY PARAMETERS (mg/L)</b>                 |                    |                   |                   |                  |                         |         |   |   |    |    |         |   |   |    |    |
| Alkalinity (as CaCO3)                                           | nonpar             | 54                | 54                | 280              | --                      | 190     |   |   |    |    | 500     |   | V |    |    |
| Ammonia Nitrogen                                                | lognor             | 52                | 52                | 0.2465           | --                      | 0.133   |   |   |    |    | 0.287   |   | V |    |    |
| Bicarbonate                                                     | nonpar             | 54                | 54                | 280              | --                      | 130     |   |   |    |    | 432     |   | V |    |    |
| Calcium, Dissolved                                              | nonpar             | 49                | 49                | 1.59             | --                      | 1.50    |   |   |    |    | 15.2    |   | V | D  | N  |
| Chemical Oxygen Demand                                          | nonpar             | 54                | 9                 | 28               | --                      | 10      | U |   |    |    | 10      | U | P |    |    |
| Chloride                                                        | nonpar             | 53                | 53                | 6.86             | 250                     | 5.93    |   |   | D  | N  | 17.0    |   | V |    | Y  |
| Conductivity (umhos/cm)                                         | nonpar             | 54                | 54                | 530              | 700                     | 672     |   | V |    |    | 1440    |   | V |    |    |
| Magnesium, Dissolved                                            | nonpar             | 53                | 31                | 2.33             | --                      | 0.091   |   |   |    |    | 1.22    |   |   | D  | N  |
| Nitrate Nitrogen (mg-N/L)                                       | nonpar             | 53                | 17                | 0.28             | 10                      | 0.16    |   |   |    |    | 0.02    | U |   |    |    |
| Nitrite Nitrogen (mg-N/L)                                       | nonpar             | 54                | 24                | 0.065            | 1                       | 0.016   |   |   |    |    | 0.002   |   |   |    |    |
| pH (std units)                                                  | nonpar             | 54                | 54                | 7.42-9.88        | 6.5-8.5                 | 8.58    |   |   |    |    | 6.97    |   | V |    |    |
| Potassium, Dissolved                                            | lognor             | 54                | 34                | 1.45             | --                      | 0.5     | U |   |    |    | 1.62    |   | V |    |    |
| Sodium, Dissolved                                               | normal             | 54                | 54                | 137.2145         | 20                      | 151     |   | V |    |    | 322     |   | V |    |    |
| Sulfate                                                         | nonpar             | 52                | 52                | 66.05            | 250                     | 121     |   | V |    |    | 244     |   | V | D  | N  |
| Total Dissolved Solids                                          | nonpar             | 54                | 54                | 355              | 500                     | 425     |   | V |    |    | 922     |   | V | D  | Y  |
| Total Organic Carbon                                            | nonpar             | 52                | 52                | 25               | --                      | 2.54    |   |   |    |    | 3.75    |   |   |    |    |
| <b>TOTAL METALS EPA Methods 200.7/200.8 (µg/L)</b>              |                    |                   |                   |                  |                         |         |   |   |    |    |         |   |   |    |    |
| Antimony                                                        | nonpar             | 49                | 5                 | 0.8              | 6                       | 0.3     | U |   |    |    | 0.3     | U |   |    |    |
| Arsenic                                                         | lognor             | 51                | 39                | 11674.9          | 0.05                    | 3.653   |   |   |    | Y  | 1.435   |   |   |    |    |
| Barium                                                          | normal             | 50                | 29                | 43               | 1000                    | 10      | U |   |    |    | 10      | U |   |    |    |
| Beryllium                                                       | nonpar             | 51                | 2                 | 0.5              | 4                       | 0.3     | U |   |    |    | 0.3     | U |   |    |    |
| Cadmium                                                         | nonpar             | 50                | 8                 | 0.3              | 5                       | 0.1     | U |   |    |    | 0.1     | U |   |    |    |
| Chromium                                                        | nonpar             | 51                | 17                | 49               | 50                      | 20      | U |   |    |    | 20      | U |   |    |    |
| Cobalt                                                          | nonpar             | 48                | 3                 | 5                | --                      | 10      | U |   |    |    | 10      | U |   |    |    |
| Copper                                                          | nonpar             | 49                | 11                | 15               | 1000                    | 10      | U |   |    |    | 10      | U |   |    |    |
| Iron                                                            | lognor             | 48                | 44                | 106935           | 300                     | 1720    |   |   |    |    | 339     |   |   | D  | N  |
| Lead                                                            | nonpar             | 51                | 25                | 1.9              | 50                      | 1.746   |   |   |    |    | 0.2     | U |   |    |    |
| Manganese                                                       | nonpar             | 51                | 41                | 152              | 50                      | 79      |   |   |    |    | 219     |   | V | D  | N  |
| Nickel                                                          | nonpar             | 50                | 13                | 91               | 100                     | 10      | U |   |    |    | 10      | U |   |    |    |
| Selenium                                                        | nonpar             | 51                | 11                | 2.3              | 10                      | 1       | U |   |    |    | 1       | U |   |    |    |
| Silver                                                          | nonpar             | 51                | 4                 | 0.6              | 50                      | 0.2     | U |   |    |    | 0.2     | U |   |    |    |
| Thallium                                                        | nonpar             | 51                | 8                 | 0.1              | 2                       | 0.1     | U |   |    |    | 0.1     | U |   |    |    |
| Vanadium                                                        | nonpar             | 50                | 12                | 43               | --                      | 20      | U |   |    |    | 20      | U |   |    |    |
| Zinc                                                            | nonpar             | 51                | 21                | 38               | 5000                    | 10      | U |   |    |    | 10      | U |   |    |    |
| <b>DISSOLVED METALS EPA Methods 200.7/200.8 (µg/L)</b>          |                    |                   |                   |                  |                         |         |   |   |    |    |         |   |   |    |    |
| Antimony                                                        | --                 | --                | --                | --               | 6                       | 0.115   |   |   |    |    | 0.1     | U |   |    |    |
| Arsenic                                                         | --                 | --                | --                | --               | 0.05                    | 3.682   |   |   |    |    | 1.31    |   |   |    |    |
| Barium                                                          | --                 | --                | --                | --               | 1000                    | 10      | U |   |    |    | 10      | U |   |    |    |
| Beryllium                                                       | --                 | --                | --                | --               | 4                       | 0.2     | U |   |    |    | 0.2     | U |   |    |    |
| Cadmium                                                         | --                 | --                | --                | --               | 5                       | 0.05    | U |   |    |    | 0.05    | U |   |    |    |
| Chromium                                                        | --                 | --                | --                | --               | 50                      | 20      | U |   |    |    | 20      | U |   |    |    |
| Cobalt                                                          | --                 | --                | --                | --               | --                      | 10      | U |   |    |    | 10      | U |   |    |    |
| Copper                                                          | --                 | --                | --                | --               | 1000                    | 20      | U |   |    |    | 20      | U |   |    |    |
| Iron                                                            | nonpar             | 55                | 27                | 871              | 300                     | 30      | U |   |    |    | 30      | U |   | D  | N  |
| Lead                                                            | --                 | --                | --                | --               | 50                      | 0.2     | U |   |    |    | 0.2     | U |   |    |    |
| Manganese                                                       | nonpar             | 54                | 28                | 19               | 50                      | 10      | U |   |    |    | 211     |   | V | D  | N  |
| Nickel                                                          | --                 | --                | --                | --               | 100                     | 10      | U |   |    |    | 10      | U |   |    |    |
| Selenium                                                        | --                 | --                | --                | --               | 10                      | 0.5     | U |   |    |    | 0.5     | U |   |    |    |
| Silver                                                          | --                 | --                | --                | --               | 50                      | 0.2     | U |   |    |    | 0.2     | U |   |    |    |
| Thallium                                                        | --                 | --                | --                | --               | 2                       | 0.05    | U |   |    |    | 0.05    | U |   |    |    |
| Vanadium                                                        | --                 | --                | --                | --               | --                      | 20      | U |   |    |    | 20      | U |   |    |    |
| Zinc                                                            | --                 | --                | --                | --               | 5000                    | 20      | U |   |    |    | 20      | U |   |    |    |
| <b>VOLATILE ORGANIC COMPOUNDS (VOCs) EPA Method 8260 (µg/L)</b> |                    |                   |                   |                  |                         |         |   |   |    |    |         |   |   |    |    |
| 1,1,1-Trichloroethane                                           | --                 | --                | --                | --               | 200                     | 1       | U |   |    |    | 1       | U |   |    |    |
| 1,1,2,2-Tetrachloroethane                                       | --                 | --                | --                | --               | --                      | 1       | U |   |    |    | 1       | U |   |    |    |
| 1,1,2-Trichloroethane                                           | --                 | --                | --                | --               | --                      | 2       | U |   |    |    | 2       | U |   |    |    |
| 1,1-Dichloroethane                                              | --                 | --                | --                | --               | 1                       | 1       | U |   |    |    | 1       | U |   |    |    |



**Groundwater Analytical Summary - Deep Wells: Third Quarter 2025**  
**Cathcart Landfill, Snohomish County, WA**

|                                                                  | Statistical Method | Number of Samples | Number of Detects | Prediction Limit | Primary GW Stds 173-200 |         |   |   |    |    |         |   |   |    |    |
|------------------------------------------------------------------|--------------------|-------------------|-------------------|------------------|-------------------------|---------|---|---|----|----|---------|---|---|----|----|
|                                                                  |                    |                   |                   |                  |                         | G-09D   |   |   |    |    | G-10D   |   |   |    |    |
|                                                                  |                    |                   |                   |                  |                         | 7/22/25 | D | V | Tr | Ch | 7/22/25 | D | V | Tr | Ch |
| VOLATILE ORGANIC COMPOUNDS (VOCs) EPA Method 8260 (µg/L) (cont.) |                    |                   |                   |                  |                         |         |   |   |    |    |         |   |   |    |    |
| 1,1-Dichloroethylene                                             | --                 | --                | --                | --               | --                      | 1       | U |   |    |    | 1       | U |   |    |    |
| 1,2,3-Trichloropropane                                           | --                 | --                | --                | --               | --                      | 1       | U |   |    |    | 1       | U |   |    |    |
| 1,2-Dibromo-3-chloropropane                                      | --                 | --                | --                | --               | 0.2                     | 0.03    | U |   |    |    | 0.03    | U |   |    |    |
| 1,2-Dibromoethane                                                | --                 | --                | --                | --               | 0.001                   | 0.01    | U |   |    |    | 0.01    | U |   |    |    |
| 1,2-Dichlorobenzene                                              | --                 | --                | --                | --               | --                      | 1       | U |   |    |    | 1       | U |   |    |    |
| 1,2-Dichloroethane                                               | --                 | --                | --                | --               | 0.5                     | 0.03    | U |   |    |    | 0.03    | U |   |    |    |
| 1,2-Dichloropropane                                              | --                 | --                | --                | --               | 0.6                     | 0.11    |   |   |    |    | 0.02    | U |   |    |    |
| 1,4-Dichlorobenzene                                              | --                 | --                | --                | --               | 4                       | 1       | U |   |    |    | 1       | U |   |    |    |
| 2-Butanone                                                       | --                 | --                | --                | --               | --                      | 5       | U |   |    |    | 5       | U |   |    |    |
| 2-Hexanone                                                       | --                 | --                | --                | --               | --                      | 2       | U |   |    |    | 2       | U |   |    |    |
| 4-Methyl-2-Pentanone (MIBK)                                      | --                 | --                | --                | --               | --                      | 3       | U |   |    |    | 3       | U |   |    |    |
| Acetone                                                          | --                 | --                | --                | --               | --                      | 17.5    | X |   |    |    | 13.5    | X |   |    |    |
| Acrylonitrile                                                    | --                 | --                | --                | --               | 0.07                    | 0.05    | U |   |    |    | 0.05    | U |   |    |    |
| Benzene                                                          | --                 | --                | --                | --               | 1                       | 0.1     | U |   |    |    | 0.1     | U |   |    |    |
| Bromodichloromethane                                             | --                 | --                | --                | --               | 0.3                     | 0.02    | U |   |    |    | 0.02    | U |   |    |    |
| Bromoform                                                        | --                 | --                | --                | --               | 5                       | 2       | U |   |    |    | 2       | U |   |    |    |
| Bromomethane                                                     | --                 | --                | --                | --               | --                      | 2       | U |   |    |    | 2.96    |   |   |    |    |
| Carbon Disulfide                                                 | --                 | --                | --                | --               | --                      | 3       | U |   |    |    | 3       | U |   |    |    |
| Carbon Tetrachloride                                             | --                 | --                | --                | --               | 0.3                     | 0.02    | U |   |    |    | 0.02    | U |   |    |    |
| Chlorobenzene                                                    | --                 | --                | --                | --               | --                      | 0.03    | U |   |    |    | 0.03    | U |   |    |    |
| Chlorodibromomethane                                             | --                 | --                | --                | --               | 0.5                     | 0.1     | U |   |    |    | 0.1     | U |   |    |    |
| Chloroethane                                                     | --                 | --                | --                | --               | --                      | 0.02    | U |   |    |    | 0.02    | U |   |    |    |
| Chloroform                                                       | --                 | --                | --                | --               | 7                       | 1       | U |   |    |    | 1       | U |   |    |    |
| Chloromethane                                                    | --                 | --                | --                | --               | --                      | 0.1     | U |   |    |    | 0.1     | U |   |    |    |
| cis-1,2-Dichloroethene                                           | --                 | --                | --                | --               | --                      | 0.03    | U |   |    |    | 0.03    | U |   |    |    |
| cis-1,3-Dichloropropene                                          | --                 | --                | --                | --               | 0.2                     | 0.03    | U |   |    |    | 0.03    | U |   |    |    |
| Dibromomethane                                                   | --                 | --                | --                | --               | --                      | 0.02    | U |   |    |    | 0.02    | U |   |    |    |
| Ethyl Benzene                                                    | --                 | --                | --                | --               | --                      | 1       | U |   |    |    | 1       | U |   |    |    |
| m,p-Xylene                                                       | --                 | --                | --                | --               | --                      | 5       | U |   |    |    | 5       | U |   |    |    |
| Methyl Iodide                                                    | --                 | --                | --                | --               | --                      | 5.14    |   |   |    |    | 8.0     |   |   |    |    |
| Methylene Chloride                                               | --                 | --                | --                | --               | 5                       | 3       | U |   |    |    | 3       | U |   |    |    |
| o-Xylene                                                         | --                 | --                | --                | --               | --                      | 1.5     | U |   |    |    | 1.5     | U |   |    |    |
| Styrene                                                          | --                 | --                | --                | --               | --                      | 2       | U |   |    |    | 2       | U |   |    |    |
| Tetrachloroethylene                                              | --                 | --                | --                | --               | 0.8                     | 0.03    | U |   |    |    | 0.03    | U |   |    |    |
| Toluene                                                          | --                 | --                | --                | --               | --                      | 2       | U |   |    |    | 2       | U |   |    |    |
| trans-1,2-Dichloroethene                                         | --                 | --                | --                | --               | --                      | 1       | U |   |    |    | 1       | U |   |    |    |
| trans-1,3-Dichloropropene                                        | --                 | --                | --                | --               | 0.2                     | 0.03    | U |   |    |    | 0.03    | U |   |    |    |
| trans-1,4-Dichloro-2-butene                                      | --                 | --                | --                | --               | --                      | 2       | U |   |    |    | 2       | U |   |    |    |
| Trichlorethene (1,1,2-Trichloroet                                | --                 | --                | --                | --               | 3                       | 2       | U |   |    |    | 2       | U |   |    |    |
| Trichlorofluoromethane                                           | --                 | --                | --                | --               | --                      | 2       | U |   |    |    | 2       | U |   |    |    |
| Vinyl Acetate                                                    | --                 | --                | --                | --               | --                      | 3       | U |   |    |    | 3       | U |   |    |    |
| Vinyl Chloride                                                   | --                 | --                | --                | --               | 0.02                    | 0.01    | U |   |    |    | 0.01    | U |   |    |    |

D: U = Indicates compound was not detected at the given reporting limit; X indicates that the compound was detected in the trip blank and contamination is suspected.

V: E= Exceedance, waiting verification based on subsequent lab data; V= Exceedance verified based on previous lab data; P=Passed, previous exceedance not verified based on current lab data.

Tr: I=increasing Trend, D=Decreasing Trend;

Ch: Y indicates a change in trend from previous quarter; N means no change in trend.

Values in purple exceed the prediction limit;   indicates that a value exceeded the Groundwater Standards

The groundwater standards listed are based on the Washington Administrative Code (WAC) 173-200 groundwater limits as modified by the TMS 91-11 standards.

B = Methylene chloride was measured in the lab blank at a similar concentration - contamination during analysis suspected.

Table 2

## Most Current Downgradient Monitoring Data

| Constituent            | Units     | Well  | Date       |    | Result   |     | Pred. Limit |
|------------------------|-----------|-------|------------|----|----------|-----|-------------|
| Alkalinity (as caco3)  | mg/L      | G-01D | 04/01/2025 |    | 232.0000 |     | 280.0000    |
| Ammonia nitrogen       | mg-N/L    | G-01D | 04/01/2025 |    | 0.1690   |     | 0.2505      |
| Antimony               | mg/L      | G-01D | 04/01/2025 | ND | 0.0001   |     | 0.0008      |
| Arsenic                | mg/L      | G-01D | 04/01/2025 |    | 0.0006   |     | 8.7123      |
| Barium                 | mg/L      | G-01D | 04/01/2025 |    | 0.0170   |     | 0.0445      |
| Beryllium              | mg/L      | G-01D | 04/01/2025 | ND | 0.0001   |     | 0.0003      |
| Bicarbonate            | mg/L      | G-01D | 04/01/2025 |    | 111.0000 |     | 280.0000    |
| Cadmium                | mg/L      | G-01D | 04/01/2025 | ND | 0.0001   |     | 0.0003      |
| Chemical oxygen demand | mg/L      | G-01D | 04/01/2025 | ND | 2.1100   |     | 28.0000     |
| Chloride               | mg/L      | G-01D | 04/01/2025 |    | 7.6000   | *   | 6.6000      |
| Chromium               | mg/L      | G-01D | 04/01/2025 | ND | 0.0170   |     | 0.0490      |
| Cobalt, Total          | mg/L      | G-01D | 04/01/2025 | ND | 0.0020   |     | 0.0050      |
| Conductivity           | umhos/cm  | G-01D | 04/01/2025 |    | 585.0000 | *** | 530.0000    |
| Copper                 | mg/L      | G-01D | 04/01/2025 | ND | 0.0100   |     | 0.0150      |
| Dissolved calcium      | mg/L      | G-01D | 04/01/2025 |    | 0.6540   |     | 1.5900      |
| Dissolved iron         | mg/L      | G-01D | 04/01/2025 |    | 0.1550   |     | 0.8710      |
| Dissolved magnesium    | mg/L      | G-01D | 04/01/2025 |    | 0.0520   |     | 9.7522      |
| Dissolved manganese    | mg/L      | G-01D | 04/01/2025 | ND | 0.0070   |     | 0.0190      |
| Dissolved potassium    | mg/L      | G-01D | 04/01/2025 | ND | 0.0080   |     | 1.4500      |
| Dissolved sodium       | mg/L      | G-01D | 04/01/2025 |    | 130.0000 |     | 137.5571    |
| Iron                   | mg/L      | G-01D | 04/01/2025 |    | 2.3700   |     | 100.6349    |
| Lead                   | mg/L      | G-01D | 04/01/2025 |    | 0.0003   |     | 0.0019      |
| Manganese              | mg/L      | G-01D | 04/01/2025 | ND | 0.0100   |     | 0.1520      |
| Nickel                 | mg/L      | G-01D | 04/01/2025 | ND | 0.0040   |     | 0.0910      |
| Nitrate nitrogen       | mg-N/L    | G-01D | 04/01/2025 | ND | 0.0114   |     | 0.2800      |
| Nitrite nitrogen       | mg-N/L    | G-01D | 04/01/2025 |    | 0.0260   |     | 0.0650      |
| pH                     | std units | G-01D | 04/01/2025 |    | 8.6600   |     | 7.85 - 9.88 |
| Selenium               | mg/L      | G-01D | 04/01/2025 | ND | 0.0007   |     | 0.0023      |
| Silver                 | mg/L      | G-01D | 04/01/2025 | ND | 0.0000   |     | 0.0006      |
| Sulfate                | mg/L      | G-01D | 04/01/2025 |    | 50.1000  |     | 60.1000     |
| Thallium               | mg/L      | G-01D | 04/01/2025 | ND | 0.0000   |     | 0.0001      |
| Total dissolved solids | mg/L      | G-01D | 04/01/2025 |    | 366.0000 | *   | 355.0000    |
| Total organic carbon   | mg/L      | G-01D | 04/01/2025 |    | 1.3000   |     | 6.1144      |
| Vanadium               | mg/L      | G-01D | 04/01/2025 | ND | 0.0160   |     | 0.0430      |
| Zinc                   | mg/L      | G-01D | 04/01/2025 | ND | 0.0080   |     | 0.0380      |
| Alkalinity (as caco3)  | mg/L      | G-02D | 04/01/2025 |    | 99.2000  |     | 280.0000    |
| Ammonia nitrogen       | mg-N/L    | G-02D | 04/01/2025 |    | 0.0600   | **  | 0.2505      |
| Antimony               | mg/L      | G-02D | 04/01/2025 |    | 0.0004   |     | 0.0008      |
| Arsenic                | mg/L      | G-02D | 04/01/2025 |    | 0.0058   |     | 8.7123      |
| Barium                 | mg/L      | G-02D | 04/01/2025 |    | 0.0460   | *   | 0.0445      |
| Beryllium              | mg/L      | G-02D | 04/01/2025 | ND | 0.0001   |     | 0.0003      |
| Bicarbonate            | mg/L      | G-02D | 04/01/2025 |    | 99.2000  |     | 280.0000    |
| Cadmium                | mg/L      | G-02D | 04/01/2025 | ND | 0.0001   |     | 0.0003      |
| Chemical oxygen demand | mg/L      | G-02D | 04/01/2025 | ND | 2.1100   |     | 28.0000     |
| Chloride               | mg/L      | G-02D | 04/01/2025 |    | 6.0200   |     | 6.6000      |
| Chromium               | mg/L      | G-02D | 04/01/2025 | ND | 0.0170   |     | 0.0490      |
| Cobalt, Total          | mg/L      | G-02D | 04/01/2025 | ND | 0.0020   |     | 0.0050      |
| Conductivity           | umhos/cm  | G-02D | 04/01/2025 |    | 348.0000 |     | 530.0000    |
| Copper                 | mg/L      | G-02D | 04/01/2025 |    | 0.0170   | *** | 0.0150      |
| Dissolved calcium      | mg/L      | G-02D | 04/01/2025 |    | 0.2570   |     | 1.5900      |
| Dissolved iron         | mg/L      | G-02D | 04/01/2025 |    | 0.1330   |     | 0.8710      |
| Dissolved magnesium    | mg/L      | G-02D | 04/01/2025 | ND | 0.0040   |     | 9.7522      |
| Dissolved manganese    | mg/L      | G-02D | 04/01/2025 | ND | 0.0070   |     | 0.0190      |
| Dissolved potassium    | mg/L      | G-02D | 04/01/2025 | ND | 0.0080   |     | 1.4500      |
| Dissolved sodium       | mg/L      | G-02D | 04/01/2025 |    | 80.5000  |     | 137.5571    |
| Iron                   | mg/L      | G-02D | 04/01/2025 |    | 5.7000   |     | 100.6349    |
| Lead                   | mg/L      | G-02D | 04/01/2025 |    | 0.0015   | **  | 0.0019      |
| Manganese              | mg/L      | G-02D | 04/01/2025 |    | 0.0810   |     | 0.1520      |
| Nickel                 | mg/L      | G-02D | 04/01/2025 | ND | 0.0040   |     | 0.0910      |
| Nitrate nitrogen       | mg-N/L    | G-02D | 04/01/2025 |    | 0.0870   |     | 0.2800      |
| Nitrite nitrogen       | mg-N/L    | G-02D | 04/01/2025 |    | 0.0070   |     | 0.0650      |
| pH                     | std units | G-02D | 04/01/2025 |    | 6.9000   | *** | 7.85 - 9.88 |
| Selenium               | mg/L      | G-02D | 04/01/2025 | ND | 0.0007   |     | 0.0023      |
| Silver                 | mg/L      | G-02D | 04/01/2025 | ND | 0.0000   |     | 0.0006      |
| Sulfate                | mg/L      | G-02D | 04/01/2025 |    | 62.1000  | *   | 60.1000     |
| Thallium               | mg/L      | G-02D | 04/01/2025 | ND | 0.0000   |     | 0.0001      |
| Total dissolved solids | mg/L      | G-02D | 04/01/2025 |    | 240.0000 |     | 355.0000    |

Table 2

## Most Current Downgradient Monitoring Data

| Constituent            | Units     | Well   | Date       |    | Result   |     | Pred. Limit |
|------------------------|-----------|--------|------------|----|----------|-----|-------------|
| Total organic carbon   | mg/L      | G-02D  | 04/01/2025 |    | 0.9000   |     | 6.1144      |
| Vanadium               | mg/L      | G-02D  | 04/01/2025 | ND | 0.0160   |     | 0.0430      |
| Zinc                   | mg/L      | G-02D  | 04/01/2025 |    | 0.0130   |     | 0.0380      |
| Alkalinity (as caco3)  | mg/L      | G-06B  | 04/01/2025 |    | 264.0000 |     | 280.0000    |
| Ammonia nitrogen       | mg-N/L    | G-06B  | 04/01/2025 |    | 0.0440   |     | 0.2505      |
| Antimony               | mg/L      | G-06B  | 04/01/2025 | ND | 0.0001   |     | 0.0008      |
| Arsenic                | mg/L      | G-06B  | 04/01/2025 |    | 0.0042   |     | 8.7123      |
| Barium                 | mg/L      | G-06B  | 04/01/2025 |    | 0.0120   |     | 0.0445      |
| Beryllium              | mg/L      | G-06B  | 04/01/2025 | ND | 0.0001   |     | 0.0003      |
| Bicarbonate            | mg/L      | G-06B  | 04/01/2025 |    | 232.0000 |     | 280.0000    |
| Cadmium                | mg/L      | G-06B  | 04/01/2025 | ND | 0.0001   |     | 0.0003      |
| Chemical oxygen demand | mg/L      | G-06B  | 04/01/2025 |    | 11.3000  |     | 28.0000     |
| Chloride               | mg/L      | G-06B  | 04/01/2025 |    | 7.3800   | *   | 6.6000      |
| Chromium               | mg/L      | G-06B  | 04/01/2025 | ND | 0.0170   |     | 0.0490      |
| Cobalt, Total          | mg/L      | G-06B  | 04/01/2025 | ND | 0.0020   |     | 0.0050      |
| Conductivity           | umhos/cm  | G-06B  | 04/01/2025 |    | 663.0000 | *** | 530.0000    |
| Copper                 | mg/L      | G-06B  | 04/01/2025 | ND | 0.0100   | **  | 0.0150      |
| Dissolved calcium      | mg/L      | G-06B  | 04/01/2025 |    | 0.9770   |     | 1.5900      |
| Dissolved iron         | mg/L      | G-06B  | 04/01/2025 |    | 0.0430   |     | 0.8710      |
| Dissolved magnesium    | mg/L      | G-06B  | 04/01/2025 |    | 0.0600   |     | 9.7522      |
| Dissolved manganese    | mg/L      | G-06B  | 04/01/2025 |    | 0.0150   |     | 0.0190      |
| Dissolved potassium    | mg/L      | G-06B  | 04/01/2025 | ND | 0.0080   |     | 1.4500      |
| Dissolved sodium       | mg/L      | G-06B  | 04/01/2025 |    | 170.0000 | *** | 137.5571    |
| Iron                   | mg/L      | G-06B  | 04/01/2025 |    | 1.2100   |     | 100.6349    |
| Lead                   | mg/L      | G-06B  | 04/01/2025 |    | 0.0005   |     | 0.0019      |
| Manganese              | mg/L      | G-06B  | 04/01/2025 |    | 0.0460   |     | 0.1520      |
| Nickel                 | mg/L      | G-06B  | 04/01/2025 | ND | 0.0040   |     | 0.0910      |
| Nitrate nitrogen       | mg-N/L    | G-06B  | 04/01/2025 |    | 0.3270   | *** | 0.2800      |
| Nitrite nitrogen       | mg-N/L    | G-06B  | 04/01/2025 |    | 0.0020   |     | 0.0650      |
| pH                     | std units | G-06B  | 04/01/2025 |    | 7.3400   | *** | 7.85 - 9.88 |
| Selenium               | mg/L      | G-06B  | 04/01/2025 | ND | 0.0007   |     | 0.0023      |
| Silver                 | mg/L      | G-06B  | 04/01/2025 | ND | 0.0000   |     | 0.0006      |
| Sulfate                | mg/L      | G-06B  | 04/01/2025 |    | 63.6000  | *** | 60.1000     |
| Thallium               | mg/L      | G-06B  | 04/01/2025 | ND | 0.0000   |     | 0.0001      |
| Total dissolved solids | mg/L      | G-06B  | 04/01/2025 |    | 407.0000 | *   | 355.0000    |
| Total organic carbon   | mg/L      | G-06B  | 04/01/2025 |    | 2.0000   |     | 6.1144      |
| Vanadium               | mg/L      | G-06B  | 04/01/2025 | ND | 0.0160   |     | 0.0430      |
| Zinc                   | mg/L      | G-06B  | 04/01/2025 | ND | 0.0080   |     | 0.0380      |
| Alkalinity (as caco3)  | mg/L      | G-08D2 | 04/01/2025 |    | 187.0000 |     | 280.0000    |
| Ammonia nitrogen       | mg-N/L    | G-08D2 | 04/01/2025 |    | 0.1970   |     | 0.2505      |
| Antimony               | mg/L      | G-08D2 | 04/01/2025 | ND | 0.0001   |     | 0.0008      |
| Arsenic                | mg/L      | G-08D2 | 04/01/2025 |    | 0.0016   |     | 8.7123      |
| Barium                 | mg/L      | G-08D2 | 04/01/2025 |    | 0.0460   | *   | 0.0445      |
| Beryllium              | mg/L      | G-08D2 | 04/01/2025 | ND | 0.0001   |     | 0.0003      |
| Bicarbonate            | mg/L      | G-08D2 | 04/01/2025 | ND | 1.0000   |     | 280.0000    |
| Cadmium                | mg/L      | G-08D2 | 04/01/2025 | ND | 0.0001   |     | 0.0003      |
| Chemical oxygen demand | mg/L      | G-08D2 | 04/01/2025 | ND | 2.1100   |     | 28.0000     |
| Chloride               | mg/L      | G-08D2 | 04/01/2025 |    | 3.2600   |     | 6.6000      |
| Chromium               | mg/L      | G-08D2 | 04/01/2025 | ND | 0.0170   |     | 0.0490      |
| Cobalt, Total          | mg/L      | G-08D2 | 04/01/2025 | ND | 0.0020   |     | 0.0050      |
| Conductivity           | umhos/cm  | G-08D2 | 04/01/2025 |    | 476.0000 |     | 530.0000    |
| Copper                 | mg/L      | G-08D2 | 04/01/2025 | ND | 0.0100   |     | 0.0150      |
| Dissolved calcium      | mg/L      | G-08D2 | 04/01/2025 |    | 0.3660   |     | 1.5900      |
| Dissolved iron         | mg/L      | G-08D2 | 04/01/2025 | ND | 0.0230   |     | 0.8710      |
| Dissolved magnesium    | mg/L      | G-08D2 | 04/01/2025 | ND | 0.0040   |     | 9.7522      |
| Dissolved manganese    | mg/L      | G-08D2 | 04/01/2025 | ND | 0.0070   |     | 0.0190      |
| Dissolved potassium    | mg/L      | G-08D2 | 04/01/2025 | ND | 0.0080   |     | 1.4500      |
| Dissolved sodium       | mg/L      | G-08D2 | 04/01/2025 |    | 103.0000 |     | 137.5571    |
| Iron                   | mg/L      | G-08D2 | 04/01/2025 |    | 8.7700   |     | 100.6349    |
| Lead                   | mg/L      | G-08D2 | 04/01/2025 |    | 0.0011   |     | 0.0019      |
| Manganese              | mg/L      | G-08D2 | 04/01/2025 |    | 0.1730   | *** | 0.1520      |
| Nickel                 | mg/L      | G-08D2 | 04/01/2025 | ND | 0.0040   |     | 0.0910      |
| Nitrate nitrogen       | mg-N/L    | G-08D2 | 04/01/2025 | ND | 0.0114   |     | 0.2800      |
| Nitrite nitrogen       | mg-N/L    | G-08D2 | 04/01/2025 |    | 0.0040   |     | 0.0650      |
| pH                     | std units | G-08D2 | 04/01/2025 |    | 9.1100   |     | 7.85 - 9.88 |
| Selenium               | mg/L      | G-08D2 | 04/01/2025 | ND | 0.0007   |     | 0.0023      |
| Silver                 | mg/L      | G-08D2 | 04/01/2025 | ND | 0.0000   |     | 0.0006      |

Table 2

## Most Current Downgradient Monitoring Data

| Constituent            | Units     | Well   | Date       |    | Result    |     | Pred. Limit |
|------------------------|-----------|--------|------------|----|-----------|-----|-------------|
| Sulfate                | mg/L      | G-08D2 | 04/01/2025 | ND | 44.7000   |     | 60.1000     |
| Thallium               | mg/L      | G-08D2 | 04/01/2025 |    | 0.0000    |     | 0.0001      |
| Total dissolved solids | mg/L      | G-08D2 | 04/01/2025 |    | 300.0000  |     | 355.0000    |
| Total organic carbon   | mg/L      | G-08D2 | 04/01/2025 |    | 1.4000    |     | 6.1144      |
| Vanadium               | mg/L      | G-08D2 | 04/01/2025 |    | 0.0240    |     | 0.0430      |
| Zinc                   | mg/L      | G-08D2 | 04/01/2025 |    | 0.0150    |     | 0.0380      |
| Alkalinity (as caco3)  | mg/L      | G-09D  | 07/22/2025 | ND | 188.5000  |     | 280.0000    |
| Ammonia nitrogen       | mg-N/L    | G-09D  | 07/22/2025 |    | 0.1030    |     | 0.2505      |
| Antimony               | mg/L      | G-09D  | 07/22/2025 |    | 0.0008    |     | 0.0008      |
| Arsenic                | mg/L      | G-09D  | 07/22/2025 |    | 0.0039    |     | 8.7123      |
| Barium                 | mg/L      | G-09D  | 07/22/2025 |    | 0.0085    |     | 0.0445      |
| Beryllium              | mg/L      | G-09D  | 07/22/2025 | ND | 0.0007    |     | 0.0003      |
| Bicarbonate            | mg/L      | G-09D  | 07/22/2025 |    | 128.5000  |     | 280.0000    |
| Cadmium                | mg/L      | G-09D  | 07/22/2025 | ND | 0.0004    |     | 0.0003      |
| Chemical oxygen demand | mg/L      | G-09D  | 07/22/2025 | ND | 2.1100    |     | 28.0000     |
| Chloride               | mg/L      | G-09D  | 07/22/2025 |    | 5.5900    |     | 6.6000      |
| Chromium               | mg/L      | G-09D  | 07/22/2025 | ND | 0.0170    |     | 0.0490      |
| Cobalt, Total          | mg/L      | G-09D  | 07/22/2025 | ND | 0.0020    |     | 0.0050      |
| Conductivity           | umhos/cm  | G-09D  | 07/22/2025 |    | 664.5000  | *** | 530.0000    |
| Copper                 | mg/L      | G-09D  | 07/22/2025 | ND | 0.0100    |     | 0.0150      |
| Dissolved calcium      | mg/L      | G-09D  | 07/22/2025 |    | 1.4000    |     | 1.5900      |
| Dissolved iron         | mg/L      | G-09D  | 07/22/2025 | ND | 0.0230    |     | 0.8710      |
| Dissolved magnesium    | mg/L      | G-09D  | 07/22/2025 |    | 0.0475    |     | 9.7522      |
| Dissolved manganese    | mg/L      | G-09D  | 07/22/2025 | ND | 0.0070    |     | 0.0190      |
| Dissolved potassium    | mg/L      | G-09D  | 07/22/2025 | ND | 0.0080    |     | 1.4500      |
| Dissolved sodium       | mg/L      | G-09D  | 07/22/2025 |    | 152.0000  | *** | 137.5571    |
| Iron                   | mg/L      | G-09D  | 07/22/2025 |    | 2.0250    |     | 100.6349    |
| Lead                   | mg/L      | G-09D  | 07/22/2025 |    | 0.0023    | *   | 0.0019      |
| Manganese              | mg/L      | G-09D  | 07/22/2025 |    | 0.0900    |     | 0.1520      |
| Nickel                 | mg/L      | G-09D  | 07/22/2025 | ND | 0.0040    |     | 0.0910      |
| Nitrate nitrogen       | mg-N/L    | G-09D  | 07/22/2025 |    | 0.1460    |     | 0.2800      |
| Nitrite nitrogen       | mg-N/L    | G-09D  | 07/22/2025 |    | 0.0160    |     | 0.0650      |
| pH                     | std units | G-09D  | 07/22/2025 |    | 8.5800    |     | 7.85 - 9.88 |
| Selenium               | mg/L      | G-09D  | 07/22/2025 | ND | 0.0041    |     | 0.0023      |
| Silver                 | mg/L      | G-09D  | 07/22/2025 | ND | 0.0002    |     | 0.0006      |
| Sulfate                | mg/L      | G-09D  | 07/22/2025 |    | 117.0000  | *** | 60.1000     |
| Thallium               | mg/L      | G-09D  | 07/22/2025 | ND | 0.0002    |     | 0.0001      |
| Total dissolved solids | mg/L      | G-09D  | 07/22/2025 |    | 403.0000  | *** | 355.0000    |
| Total organic carbon   | mg/L      | G-09D  | 07/22/2025 |    | 2.7750    |     | 6.1144      |
| Vanadium               | mg/L      | G-09D  | 07/22/2025 | ND | 0.0160    |     | 0.0430      |
| Zinc                   | mg/L      | G-09D  | 07/22/2025 | ND | 0.0080    |     | 0.0380      |
| Alkalinity (as caco3)  | mg/L      | G-10D  | 07/22/2025 |    | 500.0000  | *** | 280.0000    |
| Ammonia nitrogen       | mg-N/L    | G-10D  | 07/22/2025 |    | 0.2870    | *** | 0.2505      |
| Antimony               | mg/L      | G-10D  | 07/22/2025 | ND | 0.0001    |     | 0.0008      |
| Arsenic                | mg/L      | G-10D  | 07/22/2025 |    | 0.0014    |     | 8.7123      |
| Barium                 | mg/L      | G-10D  | 07/22/2025 | ND | 0.0050    |     | 0.0445      |
| Beryllium              | mg/L      | G-10D  | 07/22/2025 | ND | 0.0001    |     | 0.0003      |
| Bicarbonate            | mg/L      | G-10D  | 07/22/2025 |    | 432.0000  | *** | 280.0000    |
| Cadmium                | mg/L      | G-10D  | 07/22/2025 | ND | 0.0001    |     | 0.0003      |
| Chemical oxygen demand | mg/L      | G-10D  | 07/22/2025 | ND | 2.1100    | **  | 28.0000     |
| Chloride               | mg/L      | G-10D  | 07/22/2025 |    | 17.0000   | *** | 6.6000      |
| Chromium               | mg/L      | G-10D  | 07/22/2025 | ND | 0.0170    |     | 0.0490      |
| Cobalt, Total          | mg/L      | G-10D  | 07/22/2025 | ND | 0.0020    |     | 0.0050      |
| Conductivity           | umhos/cm  | G-10D  | 07/22/2025 |    | 1440.0000 | *** | 530.0000    |
| Copper                 | mg/L      | G-10D  | 07/22/2025 | ND | 0.0100    |     | 0.0150      |
| Dissolved calcium      | mg/L      | G-10D  | 07/22/2025 |    | 15.2000   | *** | 1.5900      |
| Dissolved iron         | mg/L      | G-10D  | 07/22/2025 | ND | 0.0230    |     | 0.8710      |
| Dissolved magnesium    | mg/L      | G-10D  | 07/22/2025 |    | 1.2200    |     | 9.7522      |
| Dissolved manganese    | mg/L      | G-10D  | 07/22/2025 |    | 0.2110    | *** | 0.0190      |
| Dissolved potassium    | mg/L      | G-10D  | 07/22/2025 |    | 1.6200    | *** | 1.4500      |
| Dissolved sodium       | mg/L      | G-10D  | 07/22/2025 |    | 322.0000  | *** | 137.5571    |
| Iron                   | mg/L      | G-10D  | 07/22/2025 |    | 0.3390    |     | 100.6349    |
| Lead                   | mg/L      | G-10D  | 07/22/2025 | ND | 0.0001    |     | 0.0019      |
| Manganese              | mg/L      | G-10D  | 07/22/2025 |    | 0.2190    | *** | 0.1520      |
| Nickel                 | mg/L      | G-10D  | 07/22/2025 | ND | 0.0040    |     | 0.0910      |
| Nitrate nitrogen       | mg-N/L    | G-10D  | 07/22/2025 | ND | 0.0114    |     | 0.2800      |
| Nitrite nitrogen       | mg-N/L    | G-10D  | 07/22/2025 |    | 0.0020    |     | 0.0650      |

Table 2

## Most Current Downgradient Monitoring Data

| Constituent            | Units     | Well  | Date       |    | Result   |     | Pred. Limit |
|------------------------|-----------|-------|------------|----|----------|-----|-------------|
| pH                     | std units | G-10D | 07/22/2025 |    | 6.9700   | *** | 7.85 - 9.88 |
| Selenium               | mg/L      | G-10D | 07/22/2025 | ND | 0.0007   |     | 0.0023      |
| Silver                 | mg/L      | G-10D | 07/22/2025 | ND | 0.0000   |     | 0.0006      |
| Sulfate                | mg/L      | G-10D | 07/22/2025 |    | 244.0000 | *** | 60.1000     |
| Thallium               | mg/L      | G-10D | 07/22/2025 | ND | 0.0000   |     | 0.0001      |
| Total dissolved solids | mg/L      | G-10D | 07/22/2025 |    | 922.0000 | *** | 355.0000    |
| Total organic carbon   | mg/L      | G-10D | 07/22/2025 |    | 3.7500   |     | 6.1144      |
| Vanadium               | mg/L      | G-10D | 07/22/2025 | ND | 0.0160   |     | 0.0430      |
| Zinc                   | mg/L      | G-10D | 07/22/2025 | ND | 0.0080   |     | 0.0380      |
| Alkalinity (as caco3)  | mg/L      | G-13D | 04/02/2025 |    | 185.0000 |     | 280.0000    |
| Ammonia nitrogen       | mg-N/L    | G-13D | 04/02/2025 |    | 0.0900   |     | 0.2505      |
| Antimony               | mg/L      | G-13D | 04/02/2025 | ND | 0.0001   |     | 0.0008      |
| Arsenic                | mg/L      | G-13D | 04/02/2025 |    | 0.0004   |     | 8.7123      |
| Barium                 | mg/L      | G-13D | 04/02/2025 | ND | 0.0050   |     | 0.0445      |
| Beryllium              | mg/L      | G-13D | 04/02/2025 | ND | 0.0001   |     | 0.0003      |
| Bicarbonate            | mg/L      | G-13D | 04/02/2025 |    | 91.8000  |     | 280.0000    |
| Cadmium                | mg/L      | G-13D | 04/02/2025 | ND | 0.0001   |     | 0.0003      |
| Chemical oxygen demand | mg/L      | G-13D | 04/02/2025 | ND | 2.1100   |     | 28.0000     |
| Chloride               | mg/L      | G-13D | 04/02/2025 |    | 13.1000  | *   | 6.6000      |
| Chromium               | mg/L      | G-13D | 04/02/2025 | ND | 0.0170   |     | 0.0490      |
| Cobalt, Total          | mg/L      | G-13D | 04/02/2025 | ND | 0.0020   |     | 0.0050      |
| Conductivity           | umhos/cm  | G-13D | 04/02/2025 |    | 449.0000 |     | 530.0000    |
| Copper                 | mg/L      | G-13D | 04/02/2025 | ND | 0.0100   |     | 0.0150      |
| Dissolved calcium      | mg/L      | G-13D | 04/02/2025 |    | 0.3300   |     | 1.5900      |
| Dissolved iron         | mg/L      | G-13D | 04/02/2025 | ND | 0.0230   |     | 0.8710      |
| Dissolved magnesium    | mg/L      | G-13D | 04/02/2025 | ND | 0.0040   |     | 9.7522      |
| Dissolved manganese    | mg/L      | G-13D | 04/02/2025 | ND | 0.0070   |     | 0.0190      |
| Dissolved potassium    | mg/L      | G-13D | 04/02/2025 | ND | 0.0080   |     | 1.4500      |
| Dissolved sodium       | mg/L      | G-13D | 04/02/2025 |    | 105.0000 |     | 137.5571    |
| Iron                   | mg/L      | G-13D | 04/02/2025 |    | 0.7680   |     | 100.6349    |
| Lead                   | mg/L      | G-13D | 04/02/2025 | ND | 0.0001   |     | 0.0019      |
| Manganese              | mg/L      | G-13D | 04/02/2025 |    | 0.0120   |     | 0.1520      |
| Nickel                 | mg/L      | G-13D | 04/02/2025 |    | 0.0490   |     | 0.0910      |
| Nitrate nitrogen       | mg-N/L    | G-13D | 04/02/2025 | ND | 0.0114   |     | 0.2800      |
| Nitrite nitrogen       | mg-N/L    | G-13D | 04/02/2025 |    | 0.0100   |     | 0.0650      |
| pH                     | std units | G-13D | 04/02/2025 |    | 8.6400   |     | 7.85 - 9.88 |
| Selenium               | mg/L      | G-13D | 04/02/2025 | ND | 0.0007   |     | 0.0023      |
| Silver                 | mg/L      | G-13D | 04/02/2025 | ND | 0.0000   |     | 0.0006      |
| Sulfate                | mg/L      | G-13D | 04/02/2025 |    | 34.0000  |     | 60.1000     |
| Thallium               | mg/L      | G-13D | 04/02/2025 | ND | 0.0000   |     | 0.0001      |
| Total dissolved solids | mg/L      | G-13D | 04/02/2025 |    | 272.0000 |     | 355.0000    |
| Total organic carbon   | mg/L      | G-13D | 04/02/2025 |    | 0.8400   |     | 6.1144      |
| Vanadium               | mg/L      | G-13D | 04/02/2025 | ND | 0.0160   |     | 0.0430      |
| Zinc                   | mg/L      | G-13D | 04/02/2025 | ND | 0.0080   |     | 0.0380      |

\* - Current value failed - awaiting verification.

\*\* - Current value passed - previous exceedance not verified.

\*\*\* - Current value failed - exceedance verified.

\*\*\*\* - Current value passed - awaiting one more verification.

\*\*\*\*\* - Insufficient background data to compute prediction limit.

ND = Not Detected, Result = detection limit.



Table 5

## Summary Statistics and Prediction Limits

| Constituent            | Units     | Detect | N  | Mean     | SD      | alpha  | Factor | Pred Limit | Type   |     | Conf |
|------------------------|-----------|--------|----|----------|---------|--------|--------|------------|--------|-----|------|
| Alkalinity (as caco3)  | mg/L      | 54     | 54 |          |         |        |        | 280.0000   | nonpar |     | 0.99 |
| Ammonia nitrogen       | mg-N/L    | 52     | 52 | -2.0869  | 0.2898  | 0.0100 | 2.4246 | 0.2505     | lognor |     |      |
| Antimony               | mg/L      | 5      | 53 |          |         |        |        | 0.0008     | nonpar |     | 0.99 |
| Arsenic                | mg/L      | 42     | 54 | -6.0481  | 3.3925  | 0.0100 | 2.4209 | 8.7123     | lognor |     |      |
| Barium                 | mg/L      | 31     | 53 | 0.0110   | 0.0139  | 0.0100 | 2.4227 | 0.0445     | normal |     |      |
| Beryllium              | mg/L      | 2      | 54 |          |         |        |        | 0.0003     | nonpar | *** | 0.99 |
| Bicarbonate            | mg/L      | 54     | 54 |          |         |        |        | 280.0000   | nonpar |     | 0.99 |
| Cadmium                | mg/L      | 7      | 53 |          |         |        |        | 0.0003     | nonpar |     | 0.99 |
| Chemical oxygen demand | mg/L      | 6      | 48 |          |         |        |        | 28.0000    | nonpar |     | 0.99 |
| Chloride               | mg/L      | 53     | 53 |          |         |        |        | 6.6000     | nonpar |     | 0.99 |
| Chromium               | mg/L      | 17     | 54 |          |         |        |        | 0.0490     | nonpar |     | 0.99 |
| Cobalt, Total          | mg/L      | 3      | 51 |          |         |        |        | 0.0050     | nonpar |     | 0.99 |
| Conductivity           | umhos/cm  | 54     | 54 |          |         |        |        | 530.0000   | nonpar |     | 0.99 |
| Copper                 | mg/L      | 11     | 52 |          |         |        |        | 0.0150     | nonpar |     | 0.99 |
| Dissolved calcium      | mg/L      | 50     | 53 |          |         |        |        | 1.5900     | nonpar |     | 0.99 |
| Dissolved iron         | mg/L      | 26     | 54 |          |         |        |        | 0.8710     | nonpar |     | 0.99 |
| Dissolved magnesium    | mg/L      | 28     | 53 | -1.3402  | 1.4932  | 0.0100 | 2.4227 | 9.7522     | lognor |     |      |
| Dissolved manganese    | mg/L      | 24     | 54 |          |         |        |        | 0.0190     | nonpar |     | 0.99 |
| Dissolved potassium    | mg/L      | 31     | 52 |          |         |        |        | 1.4500     | nonpar |     | 0.99 |
| Dissolved sodium       | mg/L      | 54     | 54 | 112.0093 | 10.5532 | 0.0100 | 2.4209 | 137.5571   | normal |     |      |
| Iron                   | mg/L      | 45     | 53 | -0.4037  | 2.0701  | 0.0100 | 2.4227 | 100.6349   | lognor |     |      |
| Lead                   | mg/L      | 26     | 54 |          |         |        |        | 0.0019     | nonpar |     | 0.99 |
| Manganese              | mg/L      | 42     | 54 |          |         |        |        | 0.1520     | nonpar |     | 0.99 |
| Nickel                 | mg/L      | 13     | 53 |          |         |        |        | 0.0910     | nonpar |     | 0.99 |
| Nitrate nitrogen       | mg-N/L    | 18     | 51 |          |         |        |        | 0.2800     | nonpar |     | 0.99 |
| Nitrite nitrogen       | mg-N/L    | 28     | 54 |          |         |        |        | 0.0650     | nonpar |     | 0.99 |
| pH                     | std units | 54     | 54 |          |         |        |        | 7.85- 9.88 | nonpar |     | 0.99 |
| Selenium               | mg/L      | 10     | 54 |          |         |        |        | 0.0023     | nonpar |     | 0.99 |
| Silver                 | mg/L      | 3      | 54 |          |         |        |        | 0.0006     | nonpar |     | 0.99 |
| Sulfate                | mg/L      | 52     | 52 |          |         |        |        | 60.1000    | nonpar |     | 0.99 |
| Thallium               | mg/L      | 7      | 54 |          |         |        |        | 0.0001     | nonpar |     | 0.99 |
| Total dissolved solids | mg/L      | 54     | 54 |          |         |        |        | 355.0000   | nonpar |     | 0.99 |
| Total organic carbon   | mg/L      | 50     | 50 | 0.8058   | 0.4137  | 0.0100 | 2.4288 | 6.1144     | lognor |     |      |
| Vanadium               | mg/L      | 14     | 53 |          |         |        |        | 0.0430     | nonpar |     | 0.99 |
| Zinc                   | mg/L      | 21     | 54 |          |         |        |        | 0.0380     | nonpar |     | 0.99 |

Conf = confidence level for passing initial test or one of two verification resamples at all downgradient wells for a single constituent (nonparametric test only).

\* - Insufficient Data.

\*\* - Calculated limit raised to Manual Reporting Limit.

\*\*\* - Nonparametric limit based on ND value.

For transformed data, mean and SD in transformed units and prediction limit in original units.

All sample sizes and statistics are based on outlier free data.

For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Groundwater Analytical Summary - Deep Wells: Fourth Quarter 2025  
Cathcart Landfill, Snohomish County, WA

|                                             | Statistical Method | Number of Samples | Number of Detects | Prediction Limit | Primary GW Stds 173-200 | Downgradient Wells |   |   |    |    |         |   |   |    |    |         |   |   |    |    |         |   |   |    |    |         |   | Upgradient Wells |    |    |         |   |   |    |       |         |   |   |    |       |         |   |   |    |       |         |   |   |    |    |
|---------------------------------------------|--------------------|-------------------|-------------------|------------------|-------------------------|--------------------|---|---|----|----|---------|---|---|----|----|---------|---|---|----|----|---------|---|---|----|----|---------|---|------------------|----|----|---------|---|---|----|-------|---------|---|---|----|-------|---------|---|---|----|-------|---------|---|---|----|----|
|                                             |                    |                   |                   |                  |                         | G-01D              |   |   |    |    | G-02D   |   |   |    |    | G-06B   |   |   |    |    | G-08D2  |   |   |    |    | G-09D   |   |                  |    |    | G-10D   |   |   |    |       | G-13D   |   |   |    |       | G-14D   |   |   |    |       | G-24D   |   |   |    |    |
|                                             |                    |                   |                   |                  |                         | 10/7/25            | D | V | Tr | Ch | 10/7/25 | D | V | Tr | Ch | 10/7/25 | D | V | Tr | Ch | 10/7/25 | D | V | Tr | Ch | 10/8/25 | D | V                | Tr | Ch | 10/8/25 | D | V | Tr | Ch    | 10/8/25 | D | V | Tr | Ch    | 10/7/25 | D | V | Tr | Ch    | 10/7/25 | D | V | Tr | Ch |
| CONVENTIONAL CHEMISTRY PARAMETERS (mg/L)    |                    |                   |                   |                  |                         |                    |   |   |    |    |         |   |   |    |    |         |   |   |    |    |         |   |   |    |    |         |   |                  |    |    |         |   |   |    |       |         |   |   |    |       |         |   |   |    |       |         |   |   |    |    |
| Alkalinity (as CaCO3)                       | nonpar             | 54                | 54                | 280              | --                      | 227                |   |   | D  | N  | 110     |   |   |    |    | 260     |   |   |    |    | 181     |   |   |    |    | 185     |   |                  |    |    | 493     |   | V |    |       | 190     |   |   |    |       | 239     |   |   |    |       | 218     |   |   |    |    |
| Ammonia Nitrogen                            | nonpar             | 52                | 52                | 0.249            | --                      | 0.194              |   |   |    |    | 0.026   |   |   |    |    | 0.017   | J |   |    |    | 0.162   |   |   |    |    | 0.123   |   |                  |    |    | 0.264   |   | V |    |       | 0.051   |   |   |    |       | 0.133   |   |   |    |       | 0.089   |   |   | I  | Y  |
| Bicarbonate                                 | nonpar             | 54                | 54                | 280              | --                      | 105                |   |   |    |    | 110     |   |   |    |    | 225     |   |   |    |    | 51.2    |   |   |    |    | 99.4    |   |                  |    |    | 493     |   | V |    |       | 82      |   |   |    |       | 128     |   |   |    |       | 173     |   |   |    |    |
| Calcium, Dissolved                          | nonpar             | 53                | 50                | 1.59             | --                      | 0.787              |   |   | D  | N  | 0.458   |   |   | D  | N  | 0.926   |   |   | D  | N  | 0.563   |   |   | D  | N  | 1.35    |   |                  |    |    | 14.9    |   | V | D  | N     | 0.576   |   |   |    |       | 0.567   |   |   |    |       | 0.591   |   |   |    |    |
| Chemical Oxygen Demand                      | nonpar             | 50                | 7                 | 28               | --                      | 10                 | U |   |    |    | 15      | U |   |    |    | 10      | U |   |    |    | 10      | U |   |    |    | 15      |   |                  |    |    | 10      | U |   |    | 10    | U       |   |   |    | 10    | U       |   |   |    | 10    | U       |   |   |    |    |
| Chloride                                    | nonpar             | 53                | 53                | 6.6              | 250                     | 7.0                | D | V |    |    | 5.75    | D |   | D  | N  | 7.29    | D | V |    | Y  | 3.03    | D |   | D  | N  | 7.23    | D | E                | D  | N  | 18.8    | D | V |    | Y     | 11.9    | D | V |    |       | 2.54    | D |   |    | Y     | 5.51    | D |   |    |    |
| Conductivity (umhos/cm)                     | nonpar             | 54                | 54                | 530              | 700                     | 572                |   | V | D  | N  | 362     |   |   |    |    | 650     |   | V |    |    | 462     |   |   |    |    | 698     |   | V                |    |    | 1450    |   | V |    |       | 456     |   |   |    |       | 488     |   |   |    |       | 499     |   |   |    |    |
| Magnesium, Dissolved                        | nonpar             | 54                | 30                | 2.33             | --                      | 0.016              | J |   |    |    | 0.05    |   |   |    |    | 0.03    | J |   |    |    | 0.015   | J |   |    |    | 0.045   | J |                  |    |    | 1.14    |   |   | D  | N     | 0.018   | J |   |    |       | 0.025   | J |   |    |       | 0.03    | J |   |    |    |
| Nitrate Nitrogen (mg-N/L)                   | nonpar             | 51                | 18                | 0.28             | 10                      | 0.02               | U |   |    |    | 0.02    | U |   | D  | N  | 0.02    | U | P |    |    | 0.02    | U |   |    |    | 0.626   |   | E                |    |    | 0.02    | U |   |    | 0.02  | U       |   |   |    | 0.02  | U       |   |   |    | 0.02  | U       |   |   |    |    |
| Nitrite Nitrogen (mg-N/L)                   | nonpar             | 54                | 27                | 0.065            | 1                       | 0.006              |   |   |    |    | 0.005   |   |   |    |    | 0.004   |   |   |    |    | 0.003   |   |   |    |    | 0.01    |   |                  |    |    | 0.003   |   |   |    | 0.008 |         |   |   |    | 0.01  |         |   |   |    | 0.003 |         |   |   |    |    |
| pH (std units)                              | nonpar             | 54                | 54                | 7.85-9.88        | 6.5-8.5                 | 8.66               |   |   |    |    | 6.68    |   | V | D  | N  | 7.29    |   | V |    |    | 8.97    |   |   |    |    | 8.31    |   |                  |    |    | 6.71    |   | V |    |       | 8.53    |   |   |    |       | 8.77    |   |   |    |       | 7.86    |   |   |    |    |
| Potassium, Dissolved                        | lognor             | 53                | 32                | 3.0602           | --                      | 0.394              | J |   |    |    | 0.295   | J |   |    |    | 0.476   | J |   |    |    | 0.28    | J |   |    |    | 0.482   | J |                  |    |    | 1.64    |   |   |    | 0.322 | J       |   |   |    | 0.158 | J       |   |   |    | 0.2   | J       |   |   | Y  |    |
| Sodium, Dissolved                           | normal             | 54                | 54                | 137.4934         | 20                      | 135                |   |   |    |    | 85.4    |   |   |    |    | 161     |   | V |    |    | 101     |   |   |    |    | 155     |   | V                |    |    | 309     |   | V |    |       | 108     |   |   |    |       | 111     |   |   |    |       | 114     |   |   |    |    |
| Sulfate                                     | lognor             | 52                | 52                | 220.0831         | 250                     | 48.8               | D |   |    |    | 57.9    | D | P | D  | N  | 61      | D |   | D  | N  | 42.5    | D |   |    |    | 128     | D |                  |    |    | 226     | D | V | D  | N     | 31.9    | D |   | D  | N     | 3.39    | D |   |    |       | 29.9    | D |   |    |    |
| Total Dissolved Solids                      | nonpar             | 54                | 54                | 355              | 500                     | 325                |   | P |    |    | 207     |   |   |    | Y  | 410     |   | V |    |    | 276     |   |   |    |    | 395     |   | V                |    |    | 909     |   | V | D  | Y     | 255     |   |   |    |       | 250     |   |   |    |       | 279     |   |   |    |    |
| Total Organic Carbon                        | lognor             | 50                | 50                | 6.3173           | --                      | 3.07               |   |   | D  | Y  | 1.17    |   |   |    |    | 2.23    |   |   |    |    | 1.33    |   |   |    |    | 3.37    |   |                  |    |    | 4.4     |   |   |    |       | 1.22    |   |   |    |       | 2.51    |   |   |    |       | 3.2     |   |   |    |    |
| TOTAL METALS EPA Methods 200.7/200.8 (µg/L) |                    |                   |                   |                  |                         |                    |   |   |    |    |         |   |   |    |    |         |   |   |    |    |         |   |   |    |    |         |   |                  |    |    |         |   |   |    |       |         |   |   |    |       |         |   |   |    |       |         |   |   |    |    |
| Antimony                                    | nonpar             | 51                | 5                 | 0.8              | 6                       | 0.146              | U |   |    |    | 0.239   | J |   |    |    | 0.146   | U |   |    |    | 0.146   | U |   |    |    | 0.146   | U |                  |    |    | 0.146   | U |   |    |       | 0.146   | U |   |    |       | 0.146   | U |   |    |       | 0.146   | U |   |    |    |
| Arsenic                                     | lognor             | 53                | 41                | 9628.2           | 0.05                    | 1.928              | D |   |    |    | 4.323   |   |   | I  | N  | 3.543   |   |   | I  | N  | 0.874   | D |   |    |    | 3.772   | D |                  |    | Y  | 1.216   |   |   |    |       | 0.218   |   |   |    | 1.186 | D       |   |   |    | 0.097 | U       |   |   |    |    |
| Barium                                      | normal             | 52                | 30                | 43.9             | 1000                    | 144                |   | E |    |    | 36      |   |   | P  |    | 15      |   |   |    |    | 30      |   |   | P  |    | 22      |   |                  |    |    | 5.0     | U |   |    |       | 5.0     | U |   |    |       | 50      |   |   |    |       | 5.0     | U |   |    |    |
| Beryllium                                   | nonpar             | 53                | 2                 | 0.5              | 4                       | 0.626              | U |   |    |    | 0.125   | U |   |    |    | 0.125   | U |   |    |    | 0.626   | U |   |    |    | 0.626   | U |                  |    |    | 0.125   | U |   |    |       | 0.125   | U |   |    |       | 0.626   | U |   |    |       | 0.125   | U |   |    |    |
| Cadmium                                     | nonpar             | 52                | 8                 | 0.3              | 5                       | 0.07               | U |   |    |    | 0.07    | U |   |    |    | 0.07    | U |   |    |    | 0.07    | U |   |    |    | 0.07    | U |                  |    |    | 0.07    | U |   |    |       | 0.07    | U |   |    |       | 0.07    | U |   |    |       | 0.07    | U |   |    |    |
| Chromium                                    | nonpar             | 53                | 17                | 49               | 50                      | 32                 |   |   |    |    | 17      | J |   |    |    | 18      | J |   |    |    | 17      | U |   |    |    | 17      | U |                  |    |    | 17      | U |   |    |       | 17      | U |   |    |       | 23      |   |   |    |       | 17      | U |   |    |    |
| Cobalt                                      | nonpar             | 50                | 3                 | 5                | --                      | 5.0                | J |   |    |    | 2.0     | U |   |    |    | 2.0     | U |   |    |    | 2.0     | U |   |    |    | 2.0     | J |                  |    |    | 2.0     | U |   |    |       | 2.0     | U |   |    |       | 2.0     | J |   |    |       | 2.0     | U |   |    |    |
| Copper                                      | nonpar             | 51                | 11                | 15               | 1000                    | 10                 | U |   |    |    | 36      |   |   | V  |    | 11      |   |   |    |    | 10      | U |   |    |    | 10      | U |                  |    |    | 10      | U |   |    |       | 10      | U |   |    |       | 10      | U |   |    |       | 10      | U |   |    |    |
| Iron                                        | lognor             | 50                | 45                | 107913           | 300                     | 18300              |   |   |    |    | 2920    |   |   |    |    | 1610    |   |   |    |    | 5170    |   |   |    |    | 3310    |   |                  |    |    | 268     |   |   | D  | N     | 446     |   |   |    | 7780  |         |   |   |    | 23    | J       |   |   |    |    |
| Lead                                        | nonpar             | 53                | 26                | 1.9              | 50                      | 6.688              |   | E |    |    | 2.207   |   |   | E  |    | 0.819   |   |   |    |    | 0.942   |   |   |    |    | 3.88    |   | E                |    |    | 0.06    | U |   |    |       | 0.139   | J |   |    |       | 0.985   |   |   |    |       | 0.06    | U |   |    |    |
| Manganese                                   | nonpar             | 53                | 42                | 152              | 50                      | 287                |   | E |    |    | 47      |   |   |    |    | 72      |   |   |    |    | 126     |   |   | P  |    | 175     |   | E                |    |    | 211     |   | V | D  | N     | 18      |   |   |    |       | 113     |   |   |    |       | 10      | U |   |    |    |
| Nickel                                      | nonpar             | 52                | 13                | 91               | 100                     | 87                 |   |   |    |    | 4.0     | U |   |    |    | 4.0     | U |   |    |    | 4.0     | U |   |    |    | 4.0     | U |                  |    |    | 4.0     | U |   |    |       | 4.0     | U |   |    |       | 4.0     | U |   |    |       | 4.0     | U |   |    |    |
| Selenium                                    | nonpar             | 53                | 11                | 2.3              | 10                      | 3.722              | U |   |    |    | 0.744   | U |   |    |    | 0.744   | U |   |    |    | 3.722   | U |   |    |    | 3.722   | U |                  |    |    | 0.744   | U |   |    |       | 0.744   | U |   |    |       | 3.722   | U |   |    |       | 0.744   | U |   |    |    |
| Silver                                      | nonpar             | 53                | 4                 | 0.6              | 50                      | 0.109              | J |   |    |    | 0.246   |   |   |    |    | 0.041   | U |   |    |    | 0.041   | U |   |    |    | 0.041   | U |                  |    |    | 0.041   | U |   |    |       | 0.041   | U |   |    |       | 0.041   | U |   |    |       | 0.041   | U |   |    |    |
| Thallium                                    | nonpar             | 53                | 8                 | 0.1              | 2                       | 0.05               | J |   |    |    | 0.043   | U |   |    |    | 0.043   | U |   |    |    | 0.043   | U |   |    |    | 0.043   | U |                  |    |    | 0.043   | U |   |    |       | 0.043   | U |   |    |       | 0.043   | U |   |    |       | 0.043   | U |   |    |    |
| Vanadium                                    | nonpar             | 52                | 13                | 43               | --                      | 37                 |   |   |    |    | 16      | U |   |    |    | 16      | U |   |    |    | 17      | J |   |    |    | 16      | U |                  |    |    | 16      | U |   |    |       | 16      | U |   |    |       | 18      | J |   |    |       | 16      | U |   |    |    |
| Zinc                                        | nonpar             | 53                | 21                | 38               | 5000                    | 43                 |   | E |    |    | 13      |   |   |    |    | 8.0     | U |   |    |    | 9.0     | J |   |    |    |         |   |                  |    |    |         |   |   |    |       |         |   |   |    |       |         |   |   |    |       |         |   |   |    |    |

Groundwater Analytical Summary - Deep Wells: Fourth Quarter 2025  
Cathcart Landfill, Snohomish County, WA

|                                                                  | Statistical Method | Number of Samples | Number of Detects | Prediction Limit | Primary GW Stds 173-200 | Downgradient Wells |   |   |    |    |         |   |   |    |    |         |   |   |    |    |         |   |   |    |    |         |   |   |      | Upgradient Wells |         |      |   |      |    |         |      |   |      |    |         |      |   |      |    |         |      |   |    |    |  |
|------------------------------------------------------------------|--------------------|-------------------|-------------------|------------------|-------------------------|--------------------|---|---|----|----|---------|---|---|----|----|---------|---|---|----|----|---------|---|---|----|----|---------|---|---|------|------------------|---------|------|---|------|----|---------|------|---|------|----|---------|------|---|------|----|---------|------|---|----|----|--|
|                                                                  |                    |                   |                   |                  |                         | G-01D              |   |   |    |    | G-02D   |   |   |    |    | G-06B   |   |   |    |    | G-08D2  |   |   |    |    | G-09D   |   |   |      |                  | G-10D   |      |   |      |    | G-13D   |      |   |      |    | G-14D   |      |   |      |    | G-24D   |      |   |    |    |  |
|                                                                  |                    |                   |                   |                  |                         | 10/7/25            | D | V | Tr | Ch | 10/7/25 | D | V | Tr | Ch | 10/7/25 | D | V | Tr | Ch | 10/7/25 | D | V | Tr | Ch | 10/8/25 | D | V | Tr   | Ch               | 10/8/25 | D    | V | Tr   | Ch | 10/8/25 | D    | V | Tr   | Ch | 10/7/25 | D    | V | Tr   | Ch | 10/7/25 | D    | V | Tr | Ch |  |
| VOLATILE ORGANIC COMPOUNDS (VOCs) EPA Method 8260 (µg/L) (cont.) |                    |                   |                   |                  |                         |                    |   |   |    |    |         |   |   |    |    |         |   |   |    |    |         |   |   |    |    |         |   |   |      |                  |         |      |   |      |    |         |      |   |      |    |         |      |   |      |    |         |      |   |    |    |  |
| 1,1-Dichloroethylene                                             | --                 | --                | --                | --               | --                      | 1                  | U |   |    |    | 1       | U |   |    |    | 1       | U |   |    |    | 1       | U |   |    |    | 1       | U |   |      |                  | 1       | U    |   |      |    | 1       | U    |   |      |    | 1       | U    |   |      |    | 1       | U    |   |    |    |  |
| 1,2,3-Trichloropropane                                           | --                 | --                | --                | --               | --                      | 1                  | U |   |    |    | 1       | U |   |    |    | 1       | U |   |    |    | 1       | U |   |    |    | 1       | U |   |      |                  | 1       | U    |   |      |    | 1       | U    |   |      |    | 1       | U    |   |      |    | 1       | U    |   |    |    |  |
| 1,2-Dibromo-3-chloropropane                                      | --                 | --                | --                | --               | 0.2                     | 0.03               | U |   |    |    | 0.03    | U |   |    |    | 0.03    | U |   |    |    | 0.03    | U |   |    |    | 0.03    | U |   |      |                  | 0.03    | U    |   |      |    | 0.03    | U    |   |      |    | 0.03    | U    |   |      |    | 0.03    | U    |   |    |    |  |
| 1,2-Dibromoethane                                                | --                 | --                | --                | --               | 0.001                   | 0.01               | U |   |    |    | 0.01    | U |   |    |    | 0.01    | U |   |    |    | 0.01    | U |   |    |    | 0.01    | U |   |      |                  | 0.01    | U    |   |      |    | 0.01    | U    |   |      |    | 0.01    | U    |   |      |    | 0.01    | U    |   |    |    |  |
| 1,2-Dichlorobenzene                                              | --                 | --                | --                | --               | --                      | 1                  | U |   |    |    | 1       | U |   |    |    | 1       | U |   |    |    | 1       | U |   |    |    | 1       | U |   |      |                  | 1       | U    |   |      |    | 1       | U    |   |      |    | 1       | U    |   |      |    | 1       | U    |   |    |    |  |
| 1,2-Dichloroethane                                               | --                 | --                | --                | --               | 0.5                     | 0.03               | U |   |    |    | 0.03    | U |   |    |    | 0.03    | U |   |    |    | 0.03    | U |   |    |    | 0.03    | U |   |      |                  | 0.03    | U    |   |      |    | 0.03    | U    |   |      |    | 0.03    | U    |   |      |    | 0.03    | U    |   |    |    |  |
| 1,2-Dichloropropane                                              | --                 | --                | --                | --               | 0.6                     | 0.02               | U |   |    |    | 0.02    | U |   |    |    | 0.02    | U |   |    |    | 0.02    | U |   |    |    | 0.12    |   |   | 0.02 | U                |         |      |   | 0.02 | U  |         |      |   | 0.02 | U  |         |      |   | 0.02 | U  |         |      |   |    |    |  |
| 1,4-Dichlorobenzene                                              | --                 | --                | --                | --               | 4                       | 1                  | U |   |    |    | 1       | U |   |    |    | 1       | U |   |    |    | 1       | U |   |    |    | 1       | U |   |      |                  | 1       | U    |   |      |    | 1       | U    |   |      |    | 1       | U    |   |      |    | 1       | U    |   |    |    |  |
| 2-Butanone                                                       | --                 | --                | --                | --               | --                      | 5                  | U |   |    |    | 5       | U |   |    |    | 5       | U |   |    |    | 5       | U |   |    |    | 5       | U |   |      |                  | 5       | U    |   |      |    | 5       | U    |   |      |    | 5       | U    |   |      |    | 5       | U    |   |    |    |  |
| 2-Hexanone                                                       | --                 | --                | --                | --               | --                      | 2                  | U |   |    |    | 2       | U |   |    |    | 2       | U |   |    |    | 2       | U |   |    |    | 2       | U |   |      |                  | 2       | U    |   |      |    | 2       | U    |   |      |    | 2       | U    |   |      |    | 2       | U    |   |    |    |  |
| 4-Methyl-2-Pentanone (MIBK)                                      | --                 | --                | --                | --               | --                      | 3                  | U |   |    |    | 3       | U |   |    |    | 3       | U |   |    |    | 3       | U |   |    |    | 3       | U |   |      |                  | 3       | U    |   |      |    | 3       | U    |   |      |    | 3       | U    |   |      |    | 3       | U    |   |    |    |  |
| Acetone                                                          | --                 | --                | --                | --               | --                      | 5                  | U |   |    |    | 5       | U |   |    |    | 40.6    | X |   |    |    | 5       | U |   |    |    | 5       | U |   |      |                  | 5       | U    |   |      |    | 5       | U    |   |      |    | 26.4    | X    |   |      |    |         |      |   |    |    |  |
| Acrylonitrile                                                    | --                 | --                | --                | --               | 0.07                    | 0.05               | U |   |    |    | 0.05    | U |   |    |    | 0.05    | U |   |    |    | 0.05    | U |   |    |    | 0.05    | U |   |      |                  | 0.05    | U    |   |      |    | 0.05    | U    |   |      |    | 0.05    | U    |   |      |    | 0.05    | U    |   |    |    |  |
| Benzene                                                          | --                 | --                | --                | --               | 1                       | 0.1                | U |   |    |    | 0.1     | U |   |    |    | 0.1     | U |   |    |    | 0.1     | U |   |    |    | 0.1     | U |   |      |                  | 0.1     | U    |   |      |    | 0.1     | U    |   |      |    | 0.1     | U    |   |      |    | 0.1     | U    |   |    |    |  |
| Bromodichloromethane                                             | --                 | --                | --                | --               | 0.3                     | 0.02               | U |   |    |    | 0.02    | U |   |    |    | 0.02    | U |   |    |    | 0.02    | U |   |    |    | 0.02    | U |   |      |                  | 0.02    | U    |   |      |    | 0.02    | U    |   |      |    | 0.02    | U    |   |      |    | 0.02    | U    |   |    |    |  |
| Bromoform                                                        | --                 | --                | --                | --               | 5                       | 2                  | U |   |    |    | 2       | U |   |    |    | 2       | U |   |    |    | 2       | U |   |    |    | 2       | U |   |      |                  | 2       | U    |   |      |    | 2       | U    |   |      |    | 2       | U    |   |      |    | 2       | U    |   |    |    |  |
| Bromomethane                                                     | --                 | --                | --                | --               | --                      | 2                  | U |   |    |    | 2       | U |   |    |    | 2       | U |   |    |    | 2       | U |   |    |    | 2       | U |   |      |                  | 2       | U    |   |      |    | 2       | U    |   |      |    | 2       | U    |   |      |    | 2       | U    |   |    |    |  |
| Carbon Disulfide                                                 | --                 | --                | --                | --               | --                      | 3                  | U |   |    |    | 3       | U |   |    |    | 3       | U |   |    |    | 3       | U |   |    |    | 3       | U |   |      |                  | 3       | U    |   |      |    | 3       | U    |   |      |    | 3       | U    |   |      |    | 3       | U    |   |    |    |  |
| Carbon Tetrachloride                                             | --                 | --                | --                | --               | 0.3                     | 0.02               | U |   |    |    | 0.02    | U |   |    |    | 0.02    | U |   |    |    | 0.02    | U |   |    |    | 0.02    | U |   |      |                  | 0.02    | U    |   |      |    | 0.02    | U    |   |      |    | 0.02    | U    |   |      |    | 0.02    | U    |   |    |    |  |
| Chlorobenzene                                                    | --                 | --                | --                | --               | --                      | 0.03               | U |   |    |    | 0.03    | U |   |    |    | 0.03    | U |   |    |    | 0.03    | U |   |    |    | 0.03    | U |   |      |                  | 0.03    | U    |   |      |    | 0.03    | U    |   |      |    | 0.03    | U    |   |      |    | 0.03    | U    |   |    |    |  |
| Chlorodibromomethane                                             | --                 | --                | --                | --               | 0.5                     | 0.1                | U |   |    |    | 0.1     | U |   |    |    | 0.1     | U |   |    |    | 0.1     | U |   |    |    | 0.1     | U |   |      |                  | 0.1     | U    |   |      |    | 0.1     | U    |   |      |    | 0.1     | U    |   |      |    | 0.1     | U    |   |    |    |  |
| Chloroethane                                                     | --                 | --                | --                | --               | --                      | 0.02               | U |   |    |    | 0.02    | U |   |    |    | 0.02    | U |   |    |    | 0.02    | U |   |    |    | 0.02    | U |   |      |                  | 0.02    | U    |   |      |    | 0.02    | U    |   |      |    | 0.02    | U    |   |      |    | 0.02    | U    |   |    |    |  |
| Chloroform                                                       | --                 | --                | --                | --               | 7                       | 1                  | U |   |    |    | 1       | U |   |    |    | 1       | U |   |    |    | 1       | U |   |    |    | 1       | U |   |      |                  | 1       | U    |   |      |    | 1       | U    |   |      |    | 1       | U    |   |      |    | 1       | U    |   |    |    |  |
| Chloromethane                                                    | --                 | --                | --                | --               | --                      | 0.1                | U |   |    |    | 0.1     | U |   |    |    | 0.1     | U |   |    |    | 0.1     | U |   |    |    | 0.1     | U |   |      |                  | 0.1     | U    |   |      |    | 0.1     | U    |   |      |    | 0.1     | U    |   |      |    | 0.1     | U    |   |    |    |  |
| cis-1,2-Dichloroethene                                           | --                 | --                | --                | --               | --                      | 0.03               | U |   |    |    | 0.03    | U |   |    |    | 0.03    | U |   |    |    | 0.03    | U |   |    |    | 0.12    |   |   | 0.12 |                  |         | 0.03 | U |      |    |         | 0.03 | U |      |    |         | 0.03 | U |      |    |         | 0.03 | U |    |    |  |
| cis-1,3-Dichloropropene                                          | --                 | --                | --                | --               | 0.2                     | 0.03               | U |   |    |    | 0.03    | U |   |    |    | 0.03    | U |   |    |    | 0.03    | U |   |    |    | 0.03    | U |   |      |                  | 0.03    | U    |   |      |    | 0.03    | U    |   |      |    | 0.03    | U    |   |      |    | 0.03    | U    |   |    |    |  |
| Dibromomethane                                                   | --                 | --                | --                | --               | --                      | 0.02               | U |   |    |    | 0.02    | U |   |    |    | 0.02    | U |   |    |    | 0.02    | U |   |    |    | 0.02    | U |   |      |                  | 0.02    | U    |   |      |    | 0.02    | U    |   |      |    | 0.02    | U    |   |      |    | 0.02    | U    |   |    |    |  |
| Ethyl Benzene                                                    | --                 | --                | --                | --               | --                      | 1                  | U |   |    |    | 1       | U |   |    |    | 1       | U |   |    |    | 1       | U |   |    |    | 1       | U |   |      |                  | 1       | U    |   |      |    | 1       | U    |   |      |    | 1       | U    |   |      |    | 1       | U    |   |    |    |  |
| m,p-Xylene                                                       | --                 | --                | --                | --               | --                      | 5                  | U |   |    |    | 5       | U |   |    |    | 5       | U |   |    |    | 5       | U |   |    |    | 5       | U |   |      |                  | 5       | U    |   |      |    | 5       | U    |   |      |    | 5       | U    |   |      |    | 5       | U    |   |    |    |  |
| Methyl Iodide                                                    | --                 | --                | --                | --               | --                      | 3                  | U |   |    |    | 3       | U |   |    |    | 3       | U |   |    |    | 3       | U |   |    |    | 3       | U |   |      |                  | 3       | U    |   |      |    | 3       | U    |   |      |    | 3       | U    |   |      |    | 3       | U    |   |    |    |  |
| Methylene Chloride                                               | --                 | --                | --                | --               | 5                       | 3                  | U |   |    |    | 3       | U |   |    |    | 3       | U |   |    |    | 3       | U |   |    |    | 3.00    | U |   |      |                  | 3       | U    |   |      |    | 3       | U    |   |      |    | 3       | U    |   |      |    | 3       | U    |   |    |    |  |
| o-Xylene                                                         | --                 | --                | --                | --               | --                      | 1.5                | U |   |    |    | 1.5     | U |   |    |    | 1.5     | U |   |    |    | 1.5     | U |   |    |    | 1.5     | U |   |      |                  | 1.5     | U    |   |      |    | 1.5     | U    |   |      |    | 1.5     | U    |   |      |    | 1.5     | U    |   |    |    |  |
| Styrene                                                          | --                 | --                | --                | --               | --                      | 2                  | U |   |    |    | 2       | U |   |    |    | 2       | U |   |    |    | 2       | U |   |    |    | 2       | U |   |      |                  | 2       | U    |   |      |    | 2       | U    |   |      |    | 2       | U    |   |      |    | 2       | U    |   |    |    |  |
| Tetrachloroethylene                                              | --                 | --                | --                | --               | 0.8                     | 0.03               | U |   |    |    | 0.03    | U |   |    |    | 0.03    | U |   |    |    | 0.03    | U |   |    |    | 0.03    | U |   |      |                  | 0.03    | U    |   |      |    | 0.03    | U    |   |      |    | 0.03    | U    |   |      |    | 0.03    | U    |   |    |    |  |
| Toluene                                                          | --                 | --                | --                | --               | --                      | 2                  | U |   |    |    | 2       | U |   |    |    | 2       | U |   |    |    | 2       | U |   |    |    | 2       | U |   |      |                  | 2       | U    |   |      |    | 2       | U    |   |      |    | 2       | U    |   |      |    | 2       | U    |   |    |    |  |
| trans-1,2-Dichloroethene                                         | --                 | --                | --                | --               | --                      | 1                  | U |   |    |    | 1       | U |   |    |    |         |   |   |    |    |         |   |   |    |    |         |   |   |      |                  |         |      |   |      |    |         |      |   |      |    |         |      |   |      |    |         |      |   |    |    |  |

Table 2

## Most Current Downgradient Monitoring Data

| Constituent            | Units     | Well  | Date       |    | Result   |     | Pred. Limit |
|------------------------|-----------|-------|------------|----|----------|-----|-------------|
| Alkalinity (as caco3)  | mg/L      | G-01D | 10/07/2025 |    | 227.0000 |     | 280.0000    |
| Ammonia nitrogen       | mg-N/L    | G-01D | 10/07/2025 |    | 0.1940   |     | 0.2505      |
| Antimony               | mg/L      | G-01D | 10/07/2025 | ND | 0.0001   |     | 0.0008      |
| Arsenic                | mg/L      | G-01D | 10/07/2025 |    | 0.0019   |     | 8.7123      |
| Barium                 | mg/L      | G-01D | 10/07/2025 |    | 0.1440   | *   | 0.0445      |
| Beryllium              | mg/L      | G-01D | 10/07/2025 | ND | 0.0006   |     | 0.0003      |
| Bicarbonate            | mg/L      | G-01D | 10/07/2025 |    | 105.0000 |     | 280.0000    |
| Cadmium                | mg/L      | G-01D | 10/07/2025 | ND | 0.0001   |     | 0.0003      |
| Chemical oxygen demand | mg/L      | G-01D | 10/07/2025 | ND | 2.1100   |     | 28.0000     |
| Chloride               | mg/L      | G-01D | 10/07/2025 |    | 7.0000   | *** | 6.6000      |
| Chromium               | mg/L      | G-01D | 10/07/2025 |    | 0.0320   |     | 0.0490      |
| Cobalt, Total          | mg/L      | G-01D | 10/07/2025 |    | 0.0050   |     | 0.0050      |
| Conductivity           | umhos/cm  | G-01D | 10/07/2025 |    | 572.0000 | *** | 530.0000    |
| Copper                 | mg/L      | G-01D | 10/07/2025 | ND | 0.0100   |     | 0.0150      |
| Dissolved calcium      | mg/L      | G-01D | 10/07/2025 |    | 0.7870   |     | 1.5900      |
| Dissolved iron         | mg/L      | G-01D | 10/07/2025 | ND | 0.0230   |     | 0.8710      |
| Dissolved magnesium    | mg/L      | G-01D | 10/07/2025 |    | 0.0160   |     | 9.7522      |
| Dissolved manganese    | mg/L      | G-01D | 10/07/2025 | ND | 0.0070   |     | 0.0190      |
| Dissolved potassium    | mg/L      | G-01D | 10/07/2025 |    | 0.3940   |     | 1.4500      |
| Dissolved sodium       | mg/L      | G-01D | 10/07/2025 |    | 135.0000 |     | 137.5571    |
| Iron                   | mg/L      | G-01D | 10/07/2025 |    | 18.3000  |     | 100.6349    |
| Lead                   | mg/L      | G-01D | 10/07/2025 |    | 0.0067   | *   | 0.0019      |
| Manganese              | mg/L      | G-01D | 10/07/2025 |    | 0.2870   | *   | 0.1520      |
| Nickel                 | mg/L      | G-01D | 10/07/2025 |    | 0.0870   |     | 0.0910      |
| Nitrate nitrogen       | mg-N/L    | G-01D | 10/07/2025 | ND | 0.0114   |     | 0.2800      |
| Nitrite nitrogen       | mg-N/L    | G-01D | 10/07/2025 |    | 0.0060   |     | 0.0650      |
| pH                     | std units | G-01D | 10/07/2025 |    | 8.6600   |     | 7.85 - 9.88 |
| Selenium               | mg/L      | G-01D | 10/07/2025 | ND | 0.0037   |     | 0.0023      |
| Silver                 | mg/L      | G-01D | 10/07/2025 |    | 0.0001   |     | 0.0006      |
| Sulfate                | mg/L      | G-01D | 10/07/2025 |    | 48.8000  |     | 60.1000     |
| Thallium               | mg/L      | G-01D | 10/07/2025 |    | 0.0001   |     | 0.0001      |
| Total dissolved solids | mg/L      | G-01D | 10/07/2025 |    | 325.0000 | **  | 355.0000    |
| Total organic carbon   | mg/L      | G-01D | 10/07/2025 |    | 3.0700   |     | 6.1144      |
| Vanadium               | mg/L      | G-01D | 10/07/2025 |    | 0.0370   |     | 0.0430      |
| Zinc                   | mg/L      | G-01D | 10/07/2025 |    | 0.0430   | *   | 0.0380      |
| Alkalinity (as caco3)  | mg/L      | G-02D | 10/07/2025 |    | 110.0000 |     | 280.0000    |
| Ammonia nitrogen       | mg-N/L    | G-02D | 10/07/2025 |    | 0.0260   |     | 0.2505      |
| Antimony               | mg/L      | G-02D | 10/07/2025 |    | 0.0002   |     | 0.0008      |
| Arsenic                | mg/L      | G-02D | 10/07/2025 |    | 0.0043   |     | 8.7123      |
| Barium                 | mg/L      | G-02D | 10/07/2025 |    | 0.0360   | **  | 0.0445      |
| Beryllium              | mg/L      | G-02D | 10/07/2025 | ND | 0.0001   |     | 0.0003      |
| Bicarbonate            | mg/L      | G-02D | 10/07/2025 |    | 110.0000 |     | 280.0000    |
| Cadmium                | mg/L      | G-02D | 10/07/2025 | ND | 0.0001   |     | 0.0003      |
| Chemical oxygen demand | mg/L      | G-02D | 10/07/2025 |    | 15.0000  |     | 28.0000     |
| Chloride               | mg/L      | G-02D | 10/07/2025 |    | 5.7500   |     | 6.6000      |
| Chromium               | mg/L      | G-02D | 10/07/2025 |    | 0.0170   |     | 0.0490      |
| Cobalt, Total          | mg/L      | G-02D | 10/07/2025 | ND | 0.0020   |     | 0.0050      |
| Conductivity           | umhos/cm  | G-02D | 10/07/2025 |    | 362.0000 |     | 530.0000    |
| Copper                 | mg/L      | G-02D | 10/07/2025 |    | 0.0360   | *** | 0.0150      |
| Dissolved calcium      | mg/L      | G-02D | 10/07/2025 |    | 0.4580   |     | 1.5900      |
| Dissolved iron         | mg/L      | G-02D | 10/07/2025 |    | 0.0980   |     | 0.8710      |
| Dissolved magnesium    | mg/L      | G-02D | 10/07/2025 |    | 0.0500   |     | 9.7522      |
| Dissolved manganese    | mg/L      | G-02D | 10/07/2025 |    | 0.0100   |     | 0.0190      |
| Dissolved potassium    | mg/L      | G-02D | 10/07/2025 |    | 0.2950   |     | 1.4500      |
| Dissolved sodium       | mg/L      | G-02D | 10/07/2025 |    | 85.4000  |     | 137.5571    |
| Iron                   | mg/L      | G-02D | 10/07/2025 |    | 2.9200   |     | 100.6349    |
| Lead                   | mg/L      | G-02D | 10/07/2025 |    | 0.0022   | *   | 0.0019      |
| Manganese              | mg/L      | G-02D | 10/07/2025 |    | 0.0470   |     | 0.1520      |
| Nickel                 | mg/L      | G-02D | 10/07/2025 | ND | 0.0040   |     | 0.0910      |
| Nitrate nitrogen       | mg-N/L    | G-02D | 10/07/2025 | ND | 0.0114   |     | 0.2800      |
| Nitrite nitrogen       | mg-N/L    | G-02D | 10/07/2025 |    | 0.0050   |     | 0.0650      |
| pH                     | std units | G-02D | 10/07/2025 |    | 6.6800   | *** | 7.85 - 9.88 |
| Selenium               | mg/L      | G-02D | 10/07/2025 | ND | 0.0007   |     | 0.0023      |
| Silver                 | mg/L      | G-02D | 10/07/2025 |    | 0.0002   |     | 0.0006      |
| Sulfate                | mg/L      | G-02D | 10/07/2025 |    | 57.9000  | **  | 60.1000     |
| Thallium               | mg/L      | G-02D | 10/07/2025 | ND | 0.0000   |     | 0.0001      |
| Total dissolved solids | mg/L      | G-02D | 10/07/2025 |    | 207.0000 |     | 355.0000    |

Table 2

## Most Current Downgradient Monitoring Data

| Constituent            | Units     | Well   | Date       |    | Result   |     | Pred. Limit |
|------------------------|-----------|--------|------------|----|----------|-----|-------------|
| Total organic carbon   | mg/L      | G-02D  | 10/07/2025 |    | 1.1700   |     | 6.1144      |
| Vanadium               | mg/L      | G-02D  | 10/07/2025 | ND | 0.0160   |     | 0.0430      |
| Zinc                   | mg/L      | G-02D  | 10/07/2025 |    | 0.0130   |     | 0.0380      |
| Alkalinity (as caco3)  | mg/L      | G-06B  | 10/07/2025 |    | 260.0000 |     | 280.0000    |
| Ammonia nitrogen       | mg-N/L    | G-06B  | 10/07/2025 |    | 0.0170   |     | 0.2505      |
| Antimony               | mg/L      | G-06B  | 10/07/2025 | ND | 0.0001   |     | 0.0008      |
| Arsenic                | mg/L      | G-06B  | 10/07/2025 |    | 0.0035   |     | 8.7123      |
| Barium                 | mg/L      | G-06B  | 10/07/2025 |    | 0.0150   |     | 0.0445      |
| Beryllium              | mg/L      | G-06B  | 10/07/2025 | ND | 0.0001   |     | 0.0003      |
| Bicarbonate            | mg/L      | G-06B  | 10/07/2025 |    | 225.0000 |     | 280.0000    |
| Cadmium                | mg/L      | G-06B  | 10/07/2025 | ND | 0.0001   |     | 0.0003      |
| Chemical oxygen demand | mg/L      | G-06B  | 10/07/2025 | ND | 2.1100   |     | 28.0000     |
| Chloride               | mg/L      | G-06B  | 10/07/2025 |    | 7.2900   | *** | 6.6000      |
| Chromium               | mg/L      | G-06B  | 10/07/2025 |    | 0.0180   |     | 0.0490      |
| Cobalt, Total          | mg/L      | G-06B  | 10/07/2025 | ND | 0.0020   |     | 0.0050      |
| Conductivity           | umhos/cm  | G-06B  | 10/07/2025 |    | 650.0000 | *** | 530.0000    |
| Copper                 | mg/L      | G-06B  | 10/07/2025 |    | 0.0110   |     | 0.0150      |
| Dissolved calcium      | mg/L      | G-06B  | 10/07/2025 |    | 0.9260   |     | 1.5900      |
| Dissolved iron         | mg/L      | G-06B  | 10/07/2025 |    | 0.0390   |     | 0.8710      |
| Dissolved magnesium    | mg/L      | G-06B  | 10/07/2025 |    | 0.0300   |     | 9.7522      |
| Dissolved manganese    | mg/L      | G-06B  | 10/07/2025 | ND | 0.0070   |     | 0.0190      |
| Dissolved potassium    | mg/L      | G-06B  | 10/07/2025 |    | 0.4760   |     | 1.4500      |
| Dissolved sodium       | mg/L      | G-06B  | 10/07/2025 |    | 161.0000 | *** | 137.5571    |
| Iron                   | mg/L      | G-06B  | 10/07/2025 |    | 1.6100   |     | 100.6349    |
| Lead                   | mg/L      | G-06B  | 10/07/2025 |    | 0.0008   |     | 0.0019      |
| Manganese              | mg/L      | G-06B  | 10/07/2025 |    | 0.0720   |     | 0.1520      |
| Nickel                 | mg/L      | G-06B  | 10/07/2025 | ND | 0.0040   |     | 0.0910      |
| Nitrate nitrogen       | mg-N/L    | G-06B  | 10/07/2025 | ND | 0.0114   | **  | 0.2800      |
| Nitrite nitrogen       | mg-N/L    | G-06B  | 10/07/2025 |    | 0.0040   |     | 0.0650      |
| pH                     | std units | G-06B  | 10/07/2025 |    | 7.2900   | *** | 7.85 - 9.88 |
| Selenium               | mg/L      | G-06B  | 10/07/2025 | ND | 0.0007   |     | 0.0023      |
| Silver                 | mg/L      | G-06B  | 10/07/2025 | ND | 0.0000   |     | 0.0006      |
| Sulfate                | mg/L      | G-06B  | 10/07/2025 |    | 61.0000  | *** | 60.1000     |
| Thallium               | mg/L      | G-06B  | 10/07/2025 | ND | 0.0000   |     | 0.0001      |
| Total dissolved solids | mg/L      | G-06B  | 10/07/2025 |    | 410.0000 | *** | 355.0000    |
| Total organic carbon   | mg/L      | G-06B  | 10/07/2025 |    | 2.2300   |     | 6.1144      |
| Vanadium               | mg/L      | G-06B  | 10/07/2025 | ND | 0.0160   |     | 0.0430      |
| Zinc                   | mg/L      | G-06B  | 10/07/2025 | ND | 0.0080   |     | 0.0380      |
| Alkalinity (as caco3)  | mg/L      | G-08D2 | 10/07/2025 |    | 179.0000 |     | 280.0000    |
| Ammonia nitrogen       | mg-N/L    | G-08D2 | 10/07/2025 |    | 0.1620   |     | 0.2505      |
| Antimony               | mg/L      | G-08D2 | 10/07/2025 | ND | 0.0001   |     | 0.0008      |
| Arsenic                | mg/L      | G-08D2 | 10/07/2025 |    | 0.0009   |     | 8.7123      |
| Barium                 | mg/L      | G-08D2 | 10/07/2025 |    | 0.0295   | **  | 0.0445      |
| Beryllium              | mg/L      | G-08D2 | 10/07/2025 | ND | 0.0006   |     | 0.0003      |
| Bicarbonate            | mg/L      | G-08D2 | 10/07/2025 |    | 46.2000  |     | 280.0000    |
| Cadmium                | mg/L      | G-08D2 | 10/07/2025 | ND | 0.0001   |     | 0.0003      |
| Chemical oxygen demand | mg/L      | G-08D2 | 10/07/2025 | ND | 2.1100   |     | 28.0000     |
| Chloride               | mg/L      | G-08D2 | 10/07/2025 |    | 3.0050   |     | 6.6000      |
| Chromium               | mg/L      | G-08D2 | 10/07/2025 | ND | 0.0170   |     | 0.0490      |
| Cobalt, Total          | mg/L      | G-08D2 | 10/07/2025 |    | 0.0020   |     | 0.0050      |
| Conductivity           | umhos/cm  | G-08D2 | 10/07/2025 |    | 463.5000 |     | 530.0000    |
| Copper                 | mg/L      | G-08D2 | 10/07/2025 | ND | 0.0100   |     | 0.0150      |
| Dissolved calcium      | mg/L      | G-08D2 | 10/07/2025 |    | 0.5560   |     | 1.5900      |
| Dissolved iron         | mg/L      | G-08D2 | 10/07/2025 |    | 0.0270   |     | 0.8710      |
| Dissolved magnesium    | mg/L      | G-08D2 | 10/07/2025 |    | 0.0135   |     | 9.7522      |
| Dissolved manganese    | mg/L      | G-08D2 | 10/07/2025 | ND | 0.0070   |     | 0.0190      |
| Dissolved potassium    | mg/L      | G-08D2 | 10/07/2025 |    | 0.2805   |     | 1.4500      |
| Dissolved sodium       | mg/L      | G-08D2 | 10/07/2025 |    | 102.0000 |     | 137.5571    |
| Iron                   | mg/L      | G-08D2 | 10/07/2025 |    | 5.2800   |     | 100.6349    |
| Lead                   | mg/L      | G-08D2 | 10/07/2025 |    | 0.0009   |     | 0.0019      |
| Manganese              | mg/L      | G-08D2 | 10/07/2025 |    | 0.1250   | **  | 0.1520      |
| Nickel                 | mg/L      | G-08D2 | 10/07/2025 | ND | 0.0040   |     | 0.0910      |
| Nitrate nitrogen       | mg-N/L    | G-08D2 | 10/07/2025 | ND | 0.0114   |     | 0.2800      |
| Nitrite nitrogen       | mg-N/L    | G-08D2 | 10/07/2025 |    | 0.0030   |     | 0.0650      |
| pH                     | std units | G-08D2 | 10/07/2025 |    | 8.9700   |     | 7.85 - 9.88 |
| Selenium               | mg/L      | G-08D2 | 10/07/2025 | ND | 0.0037   |     | 0.0023      |
| Silver                 | mg/L      | G-08D2 | 10/07/2025 | ND | 0.0000   |     | 0.0006      |



Table 2

## Most Current Downgradient Monitoring Data

| Constituent            | Units     | Well   | Date       |    | Result    |     | Pred. Limit |
|------------------------|-----------|--------|------------|----|-----------|-----|-------------|
| Sulfate                | mg/L      | G-08D2 | 10/07/2025 |    | 42.4000   |     | 60.1000     |
| Thallium               | mg/L      | G-08D2 | 10/07/2025 | ND | 0.0000    |     | 0.0001      |
| Total dissolved solids | mg/L      | G-08D2 | 10/07/2025 |    | 276.5000  |     | 355.0000    |
| Total organic carbon   | mg/L      | G-08D2 | 10/07/2025 |    | 1.5400    |     | 6.1144      |
| Vanadium               | mg/L      | G-08D2 | 10/07/2025 |    | 0.0165    |     | 0.0430      |
| Zinc                   | mg/L      | G-08D2 | 10/07/2025 |    | 0.0100    |     | 0.0380      |
| Alkalinity (as caco3)  | mg/L      | G-09D  | 10/08/2025 |    | 185.0000  |     | 280.0000    |
| Ammonia nitrogen       | mg-N/L    | G-09D  | 10/08/2025 |    | 0.1230    |     | 0.2505      |
| Antimony               | mg/L      | G-09D  | 10/08/2025 | ND | 0.0001    |     | 0.0008      |
| Arsenic                | mg/L      | G-09D  | 10/08/2025 |    | 0.0038    |     | 8.7123      |
| Barium                 | mg/L      | G-09D  | 10/08/2025 |    | 0.0220    |     | 0.0445      |
| Beryllium              | mg/L      | G-09D  | 10/08/2025 | ND | 0.0006    |     | 0.0003      |
| Bicarbonate            | mg/L      | G-09D  | 10/08/2025 |    | 99.4000   |     | 280.0000    |
| Cadmium                | mg/L      | G-09D  | 10/08/2025 | ND | 0.0001    |     | 0.0003      |
| Chemical oxygen demand | mg/L      | G-09D  | 10/08/2025 |    | 15.0000   |     | 28.0000     |
| Chloride               | mg/L      | G-09D  | 10/08/2025 |    | 7.2300    | *   | 6.6000      |
| Chromium               | mg/L      | G-09D  | 10/08/2025 | ND | 0.0170    |     | 0.0490      |
| Cobalt, Total          | mg/L      | G-09D  | 10/08/2025 |    | 0.0020    |     | 0.0050      |
| Conductivity           | umhos/cm  | G-09D  | 10/08/2025 |    | 698.0000  | *** | 530.0000    |
| Copper                 | mg/L      | G-09D  | 10/08/2025 | ND | 0.0100    |     | 0.0150      |
| Dissolved calcium      | mg/L      | G-09D  | 10/08/2025 |    | 1.3500    |     | 1.5900      |
| Dissolved iron         | mg/L      | G-09D  | 10/08/2025 |    | 0.0410    |     | 0.8710      |
| Dissolved magnesium    | mg/L      | G-09D  | 10/08/2025 |    | 0.0450    |     | 9.7522      |
| Dissolved manganese    | mg/L      | G-09D  | 10/08/2025 | ND | 0.0070    |     | 0.0190      |
| Dissolved potassium    | mg/L      | G-09D  | 10/08/2025 |    | 0.4820    |     | 1.4500      |
| Dissolved sodium       | mg/L      | G-09D  | 10/08/2025 |    | 155.0000  | *** | 137.5571    |
| Iron                   | mg/L      | G-09D  | 10/08/2025 |    | 3.3100    |     | 100.6349    |
| Lead                   | mg/L      | G-09D  | 10/08/2025 |    | 0.0039    | *   | 0.0019      |
| Manganese              | mg/L      | G-09D  | 10/08/2025 |    | 0.1750    | *   | 0.1520      |
| Nickel                 | mg/L      | G-09D  | 10/08/2025 | ND | 0.0040    |     | 0.0910      |
| Nitrate nitrogen       | mg-N/L    | G-09D  | 10/08/2025 |    | 0.6260    | *   | 0.2800      |
| Nitrite nitrogen       | mg-N/L    | G-09D  | 10/08/2025 |    | 0.0100    |     | 0.0650      |
| pH                     | std units | G-09D  | 10/08/2025 |    | 8.3100    |     | 7.85 - 9.88 |
| Selenium               | mg/L      | G-09D  | 10/08/2025 | ND | 0.0037    |     | 0.0023      |
| Silver                 | mg/L      | G-09D  | 10/08/2025 | ND | 0.0000    |     | 0.0006      |
| Sulfate                | mg/L      | G-09D  | 10/08/2025 |    | 128.0000  | *** | 60.1000     |
| Thallium               | mg/L      | G-09D  | 10/08/2025 | ND | 0.0000    |     | 0.0001      |
| Total dissolved solids | mg/L      | G-09D  | 10/08/2025 |    | 395.0000  | *** | 355.0000    |
| Total organic carbon   | mg/L      | G-09D  | 10/08/2025 |    | 3.3700    |     | 6.1144      |
| Vanadium               | mg/L      | G-09D  | 10/08/2025 | ND | 0.0160    |     | 0.0430      |
| Zinc                   | mg/L      | G-09D  | 10/08/2025 |    | 0.0090    |     | 0.0380      |
| Alkalinity (as caco3)  | mg/L      | G-10D  | 10/08/2025 |    | 493.0000  | *** | 280.0000    |
| Ammonia nitrogen       | mg-N/L    | G-10D  | 10/08/2025 |    | 0.2640    | *** | 0.2505      |
| Antimony               | mg/L      | G-10D  | 10/08/2025 | ND | 0.0001    |     | 0.0008      |
| Arsenic                | mg/L      | G-10D  | 10/08/2025 |    | 0.0012    |     | 8.7123      |
| Barium                 | mg/L      | G-10D  | 10/08/2025 | ND | 0.0050    |     | 0.0445      |
| Beryllium              | mg/L      | G-10D  | 10/08/2025 | ND | 0.0001    |     | 0.0003      |
| Bicarbonate            | mg/L      | G-10D  | 10/08/2025 |    | 493.0000  | *** | 280.0000    |
| Cadmium                | mg/L      | G-10D  | 10/08/2025 | ND | 0.0001    |     | 0.0003      |
| Chemical oxygen demand | mg/L      | G-10D  | 10/08/2025 | ND | 2.1100    |     | 28.0000     |
| Chloride               | mg/L      | G-10D  | 10/08/2025 |    | 18.8000   | *** | 6.6000      |
| Chromium               | mg/L      | G-10D  | 10/08/2025 | ND | 0.0170    |     | 0.0490      |
| Cobalt, Total          | mg/L      | G-10D  | 10/08/2025 | ND | 0.0020    |     | 0.0050      |
| Conductivity           | umhos/cm  | G-10D  | 10/08/2025 |    | 1450.0000 | *** | 530.0000    |
| Copper                 | mg/L      | G-10D  | 10/08/2025 | ND | 0.0100    |     | 0.0150      |
| Dissolved calcium      | mg/L      | G-10D  | 10/08/2025 |    | 14.9000   | *** | 1.5900      |
| Dissolved iron         | mg/L      | G-10D  | 10/08/2025 |    | 0.0400    |     | 0.8710      |
| Dissolved magnesium    | mg/L      | G-10D  | 10/08/2025 |    | 1.1400    |     | 9.7522      |
| Dissolved manganese    | mg/L      | G-10D  | 10/08/2025 |    | 0.1960    | *** | 0.0190      |
| Dissolved potassium    | mg/L      | G-10D  | 10/08/2025 |    | 1.6400    | *** | 1.4500      |
| Dissolved sodium       | mg/L      | G-10D  | 10/08/2025 |    | 309.0000  | *** | 137.5571    |
| Iron                   | mg/L      | G-10D  | 10/08/2025 |    | 0.2680    |     | 100.6349    |
| Lead                   | mg/L      | G-10D  | 10/08/2025 | ND | 0.0001    |     | 0.0019      |
| Manganese              | mg/L      | G-10D  | 10/08/2025 |    | 0.2110    | *** | 0.1520      |
| Nickel                 | mg/L      | G-10D  | 10/08/2025 | ND | 0.0040    |     | 0.0910      |
| Nitrate nitrogen       | mg-N/L    | G-10D  | 10/08/2025 | ND | 0.0114    |     | 0.2800      |
| Nitrite nitrogen       | mg-N/L    | G-10D  | 10/08/2025 |    | 0.0030    |     | 0.0650      |

Table 2

## Most Current Downgradient Monitoring Data

| Constituent            | Units     | Well  | Date       |    | Result   |     | Pred. Limit |
|------------------------|-----------|-------|------------|----|----------|-----|-------------|
| pH                     | std units | G-10D | 10/08/2025 |    | 6.7100   | *** | 7.85 - 9.88 |
| Selenium               | mg/L      | G-10D | 10/08/2025 | ND | 0.0007   |     | 0.0023      |
| Silver                 | mg/L      | G-10D | 10/08/2025 | ND | 0.0000   |     | 0.0006      |
| Sulfate                | mg/L      | G-10D | 10/08/2025 |    | 226.0000 | *** | 60.1000     |
| Thallium               | mg/L      | G-10D | 10/08/2025 | ND | 0.0000   |     | 0.0001      |
| Total dissolved solids | mg/L      | G-10D | 10/08/2025 |    | 909.0000 | *** | 355.0000    |
| Total organic carbon   | mg/L      | G-10D | 10/08/2025 |    | 4.4000   |     | 6.1144      |
| Vanadium               | mg/L      | G-10D | 10/08/2025 | ND | 0.0160   |     | 0.0430      |
| Zinc                   | mg/L      | G-10D | 10/08/2025 | ND | 0.0080   |     | 0.0380      |
| Alkalinity (as caco3)  | mg/L      | G-13D | 10/08/2025 |    | 190.0000 |     | 280.0000    |
| Ammonia nitrogen       | mg-N/L    | G-13D | 10/08/2025 |    | 0.0510   |     | 0.2505      |
| Antimony               | mg/L      | G-13D | 10/08/2025 | ND | 0.0001   |     | 0.0008      |
| Arsenic                | mg/L      | G-13D | 10/08/2025 |    | 0.0002   |     | 8.7123      |
| Barium                 | mg/L      | G-13D | 10/08/2025 | ND | 0.0050   |     | 0.0445      |
| Beryllium              | mg/L      | G-13D | 10/08/2025 | ND | 0.0001   |     | 0.0003      |
| Bicarbonate            | mg/L      | G-13D | 10/08/2025 |    | 82.0000  |     | 280.0000    |
| Cadmium                | mg/L      | G-13D | 10/08/2025 | ND | 0.0001   |     | 0.0003      |
| Chemical oxygen demand | mg/L      | G-13D | 10/08/2025 | ND | 2.1100   |     | 28.0000     |
| Chloride               | mg/L      | G-13D | 10/08/2025 |    | 11.9000  | *** | 6.6000      |
| Chromium               | mg/L      | G-13D | 10/08/2025 | ND | 0.0170   |     | 0.0490      |
| Cobalt, Total          | mg/L      | G-13D | 10/08/2025 | ND | 0.0020   |     | 0.0050      |
| Conductivity           | umhos/cm  | G-13D | 10/08/2025 |    | 456.0000 |     | 530.0000    |
| Copper                 | mg/L      | G-13D | 10/08/2025 | ND | 0.0100   |     | 0.0150      |
| Dissolved calcium      | mg/L      | G-13D | 10/08/2025 |    | 0.5760   |     | 1.5900      |
| Dissolved iron         | mg/L      | G-13D | 10/08/2025 |    | 0.0330   |     | 0.8710      |
| Dissolved magnesium    | mg/L      | G-13D | 10/08/2025 |    | 0.0180   |     | 9.7522      |
| Dissolved manganese    | mg/L      | G-13D | 10/08/2025 | ND | 0.0070   |     | 0.0190      |
| Dissolved potassium    | mg/L      | G-13D | 10/08/2025 |    | 0.3220   |     | 1.4500      |
| Dissolved sodium       | mg/L      | G-13D | 10/08/2025 |    | 108.0000 |     | 137.5571    |
| Iron                   | mg/L      | G-13D | 10/08/2025 |    | 0.4460   |     | 100.6349    |
| Lead                   | mg/L      | G-13D | 10/08/2025 |    | 0.0001   |     | 0.0019      |
| Manganese              | mg/L      | G-13D | 10/08/2025 |    | 0.0180   |     | 0.1520      |
| Nickel                 | mg/L      | G-13D | 10/08/2025 | ND | 0.0040   |     | 0.0910      |
| Nitrate nitrogen       | mg-N/L    | G-13D | 10/08/2025 | ND | 0.0114   |     | 0.2800      |
| Nitrite nitrogen       | mg-N/L    | G-13D | 10/08/2025 |    | 0.0080   |     | 0.0650      |
| pH                     | std units | G-13D | 10/08/2025 |    | 8.5300   |     | 7.85 - 9.88 |
| Selenium               | mg/L      | G-13D | 10/08/2025 | ND | 0.0007   |     | 0.0023      |
| Silver                 | mg/L      | G-13D | 10/08/2025 | ND | 0.0000   |     | 0.0006      |
| Sulfate                | mg/L      | G-13D | 10/08/2025 |    | 31.9000  |     | 60.1000     |
| Thallium               | mg/L      | G-13D | 10/08/2025 | ND | 0.0000   |     | 0.0001      |
| Total dissolved solids | mg/L      | G-13D | 10/08/2025 |    | 255.0000 |     | 355.0000    |
| Total organic carbon   | mg/L      | G-13D | 10/08/2025 |    | 1.2200   |     | 6.1144      |
| Vanadium               | mg/L      | G-13D | 10/08/2025 | ND | 0.0160   |     | 0.0430      |
| Zinc                   | mg/L      | G-13D | 10/08/2025 | ND | 0.0080   |     | 0.0380      |

\* - Current value failed - awaiting verification.

\*\* - Current value passed - previous exceedance not verified.

\*\*\* - Current value failed - exceedance verified.

\*\*\*\* - Current value passed - awaiting one more verification.

\*\*\*\*\* - Insufficient background data to compute prediction limit.

ND = Not Detected, Result = detection limit.

Table 5

## Summary Statistics and Prediction Limits

| Constituent            | Units     | Detect | N  | Mean     | SD      | alpha  | Factor | Pred Limit | Type   |     | Conf |
|------------------------|-----------|--------|----|----------|---------|--------|--------|------------|--------|-----|------|
| Alkalinity (as caco3)  | mg/L      | 54     | 54 |          |         |        |        | 280.0000   | nonpar |     | 0.99 |
| Ammonia nitrogen       | mg-N/L    | 52     | 52 | -2.0869  | 0.2898  | 0.0100 | 2.4246 | 0.2505     | lognor |     |      |
| Antimony               | mg/L      | 5      | 53 |          |         |        |        | 0.0008     | nonpar |     | 0.99 |
| Arsenic                | mg/L      | 42     | 54 | -6.0481  | 3.3925  | 0.0100 | 2.4209 | 8.7123     | lognor |     |      |
| Barium                 | mg/L      | 31     | 53 | 0.0110   | 0.0139  | 0.0100 | 2.4227 | 0.0445     | normal |     |      |
| Beryllium              | mg/L      | 2      | 54 |          |         |        |        | 0.0003     | nonpar | *** | 0.99 |
| Bicarbonate            | mg/L      | 54     | 54 |          |         |        |        | 280.0000   | nonpar |     | 0.99 |
| Cadmium                | mg/L      | 7      | 53 |          |         |        |        | 0.0003     | nonpar |     | 0.99 |
| Chemical oxygen demand | mg/L      | 6      | 48 |          |         |        |        | 28.0000    | nonpar |     | 0.99 |
| Chloride               | mg/L      | 53     | 53 |          |         |        |        | 6.6000     | nonpar |     | 0.99 |
| Chromium               | mg/L      | 17     | 54 |          |         |        |        | 0.0490     | nonpar |     | 0.99 |
| Cobalt, Total          | mg/L      | 3      | 51 |          |         |        |        | 0.0050     | nonpar |     | 0.99 |
| Conductivity           | umhos/cm  | 54     | 54 |          |         |        |        | 530.0000   | nonpar |     | 0.99 |
| Copper                 | mg/L      | 11     | 52 |          |         |        |        | 0.0150     | nonpar |     | 0.99 |
| Dissolved calcium      | mg/L      | 50     | 53 |          |         |        |        | 1.5900     | nonpar |     | 0.99 |
| Dissolved iron         | mg/L      | 26     | 54 |          |         |        |        | 0.8710     | nonpar |     | 0.99 |
| Dissolved magnesium    | mg/L      | 28     | 53 | -1.3402  | 1.4932  | 0.0100 | 2.4227 | 9.7522     | lognor |     |      |
| Dissolved manganese    | mg/L      | 24     | 54 |          |         |        |        | 0.0190     | nonpar |     | 0.99 |
| Dissolved potassium    | mg/L      | 31     | 52 |          |         |        |        | 1.4500     | nonpar |     | 0.99 |
| Dissolved sodium       | mg/L      | 54     | 54 | 112.0093 | 10.5532 | 0.0100 | 2.4209 | 137.5571   | normal |     |      |
| Iron                   | mg/L      | 45     | 53 | -0.4037  | 2.0701  | 0.0100 | 2.4227 | 100.6349   | lognor |     |      |
| Lead                   | mg/L      | 26     | 54 |          |         |        |        | 0.0019     | nonpar |     | 0.99 |
| Manganese              | mg/L      | 42     | 54 |          |         |        |        | 0.1520     | nonpar |     | 0.99 |
| Nickel                 | mg/L      | 13     | 53 |          |         |        |        | 0.0910     | nonpar |     | 0.99 |
| Nitrate nitrogen       | mg-N/L    | 18     | 51 |          |         |        |        | 0.2800     | nonpar |     | 0.99 |
| Nitrite nitrogen       | mg-N/L    | 28     | 54 |          |         |        |        | 0.0650     | nonpar |     | 0.99 |
| pH                     | std units | 54     | 54 |          |         |        |        | 7.85- 9.88 | nonpar |     | 0.99 |
| Selenium               | mg/L      | 10     | 54 |          |         |        |        | 0.0023     | nonpar |     | 0.99 |
| Silver                 | mg/L      | 3      | 54 |          |         |        |        | 0.0006     | nonpar |     | 0.99 |
| Sulfate                | mg/L      | 52     | 52 |          |         |        |        | 60.1000    | nonpar |     | 0.99 |
| Thallium               | mg/L      | 7      | 54 |          |         |        |        | 0.0001     | nonpar |     | 0.99 |
| Total dissolved solids | mg/L      | 54     | 54 |          |         |        |        | 355.0000   | nonpar |     | 0.99 |
| Total organic carbon   | mg/L      | 50     | 50 | 0.8058   | 0.4137  | 0.0100 | 2.4288 | 6.1144     | lognor |     |      |
| Vanadium               | mg/L      | 14     | 53 |          |         |        |        | 0.0430     | nonpar |     | 0.99 |
| Zinc                   | mg/L      | 21     | 54 |          |         |        |        | 0.0380     | nonpar |     | 0.99 |

Conf = confidence level for passing initial test or one of two verification resamples at all downgradient wells for a single constituent (nonparametric test only).

\* - Insufficient Data.

\*\* - Calculated limit raised to Manual Reporting Limit.

\*\*\* - Nonparametric limit based on ND value.

For transformed data, mean and SD in transformed units and prediction limit in original units.

All sample sizes and statistics are based on outlier free data.

For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

# Appendix C

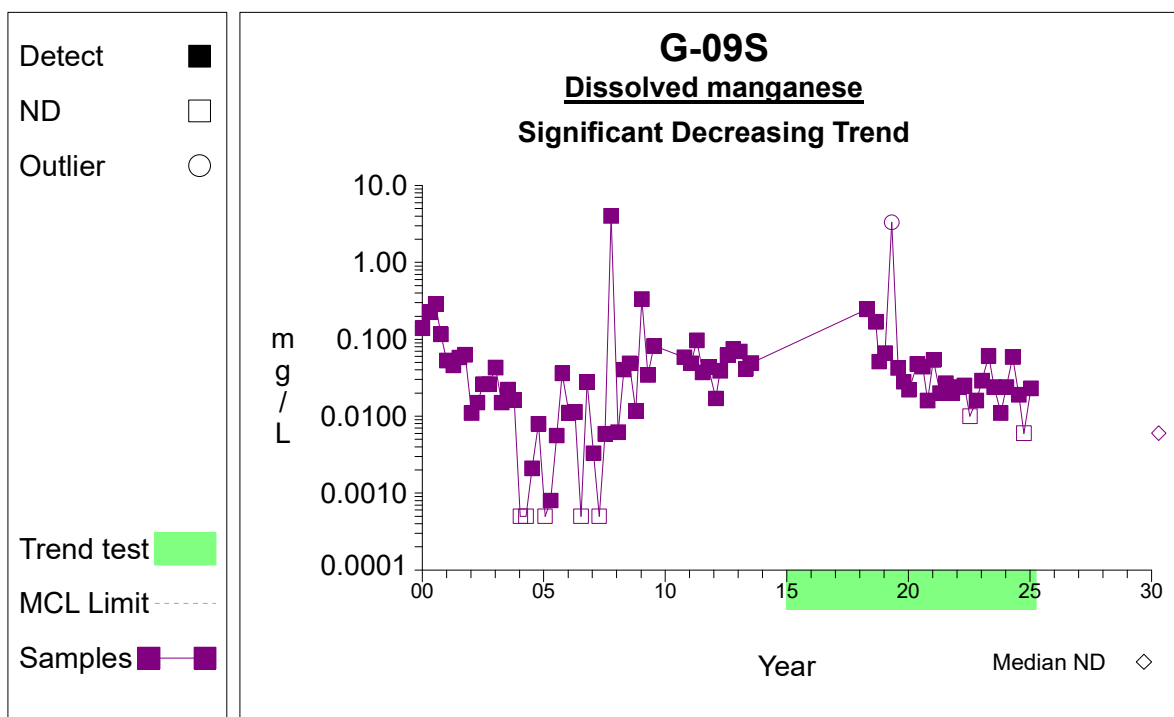
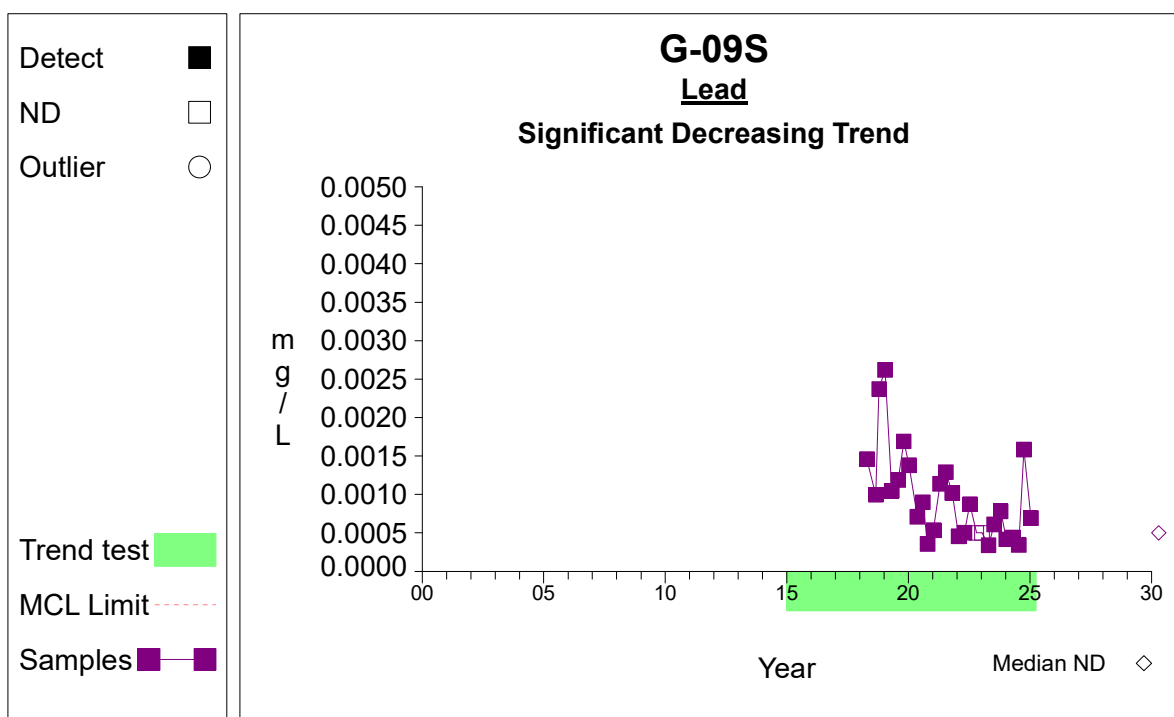
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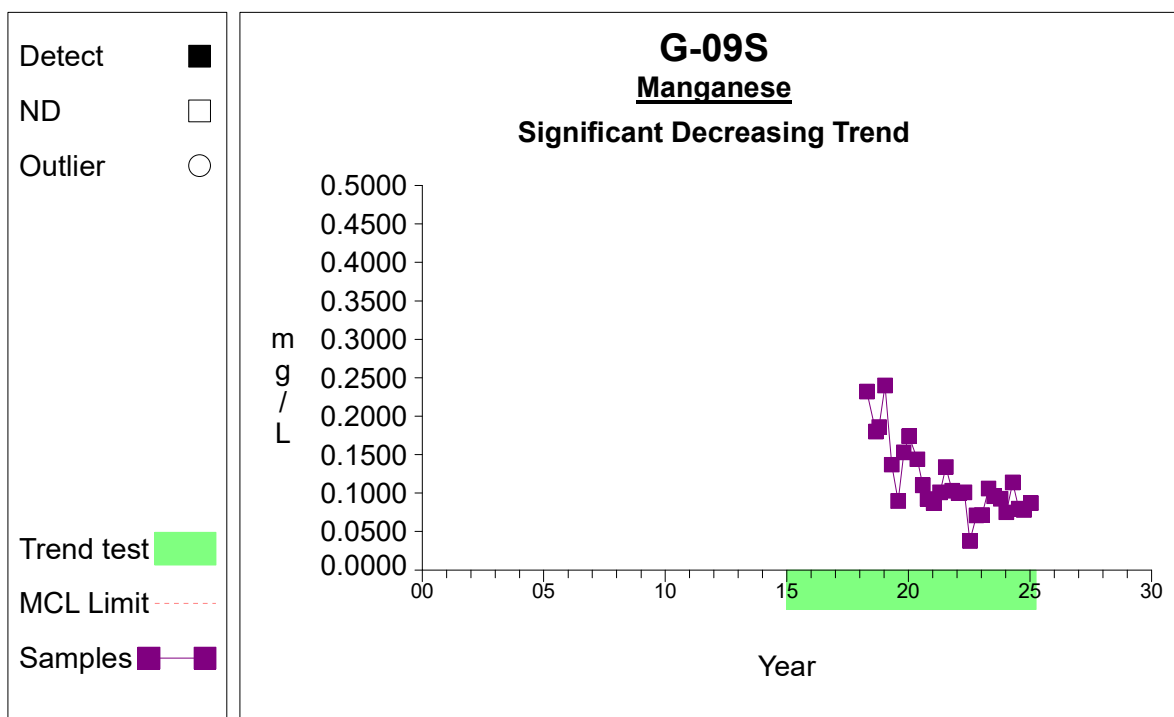
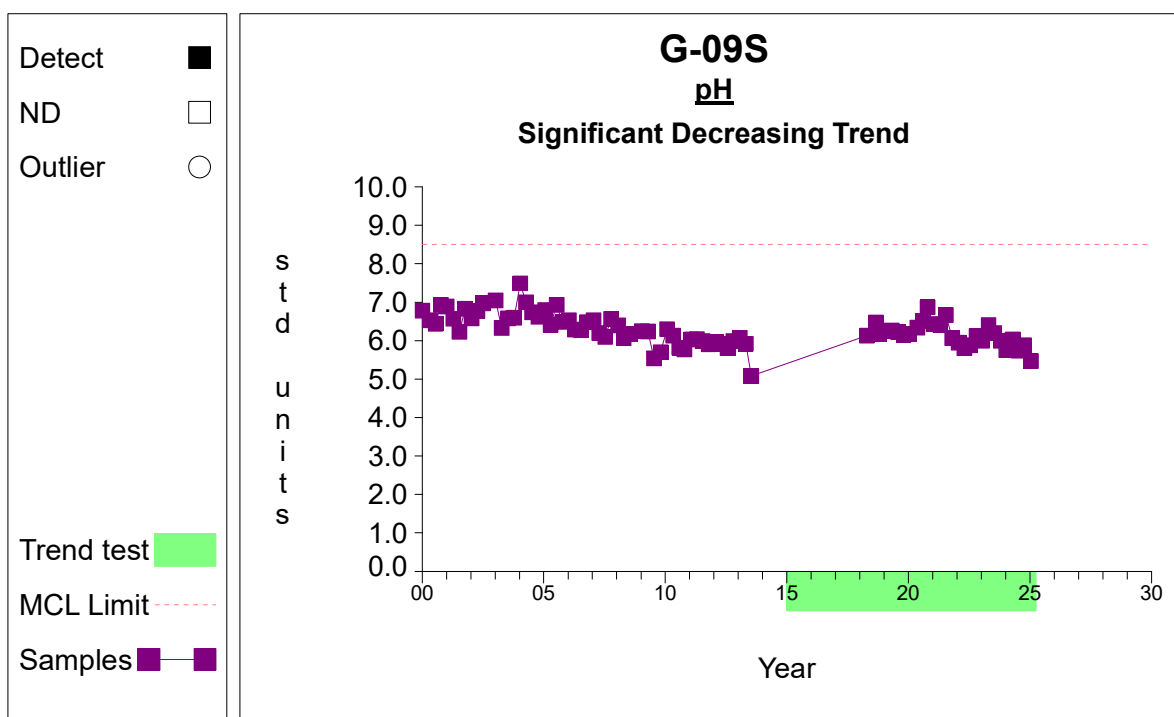
## **Groundwater Statistical Analyses**

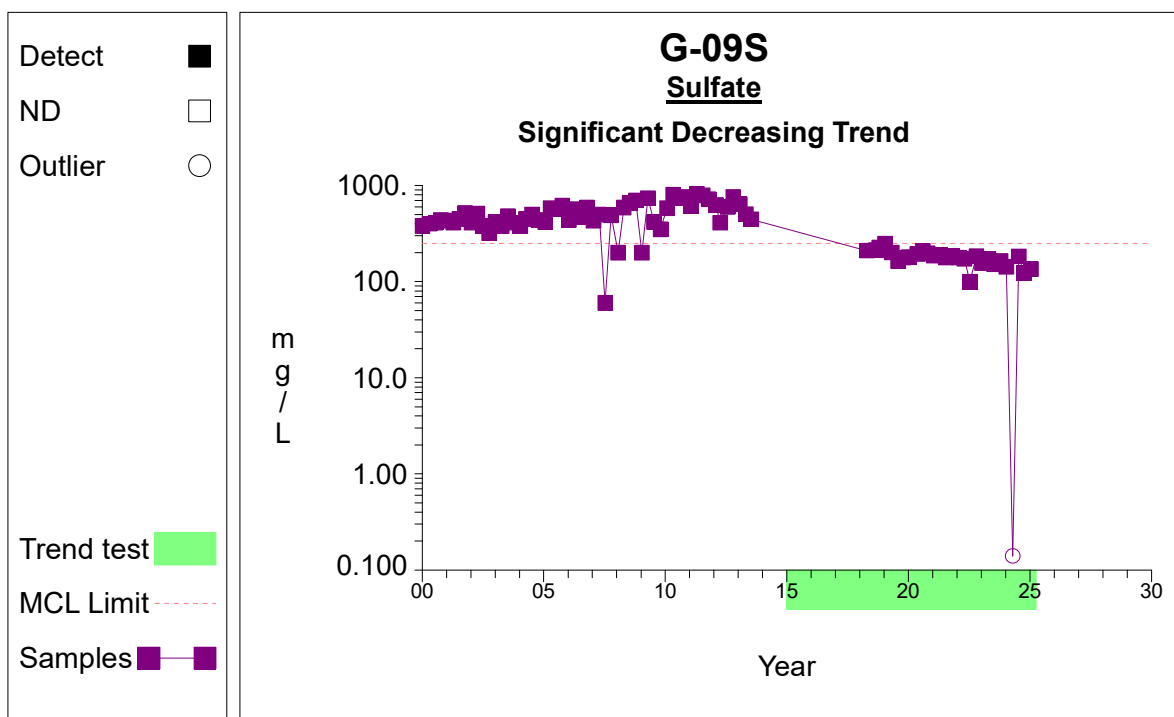
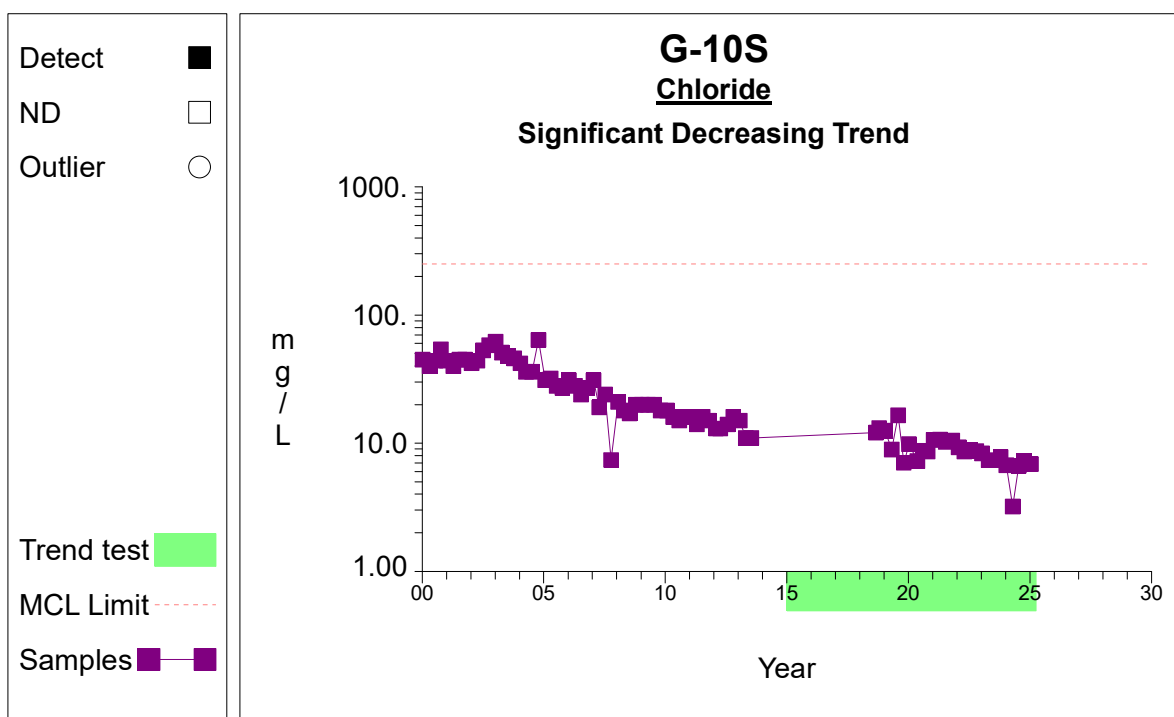
# Shallow Wells

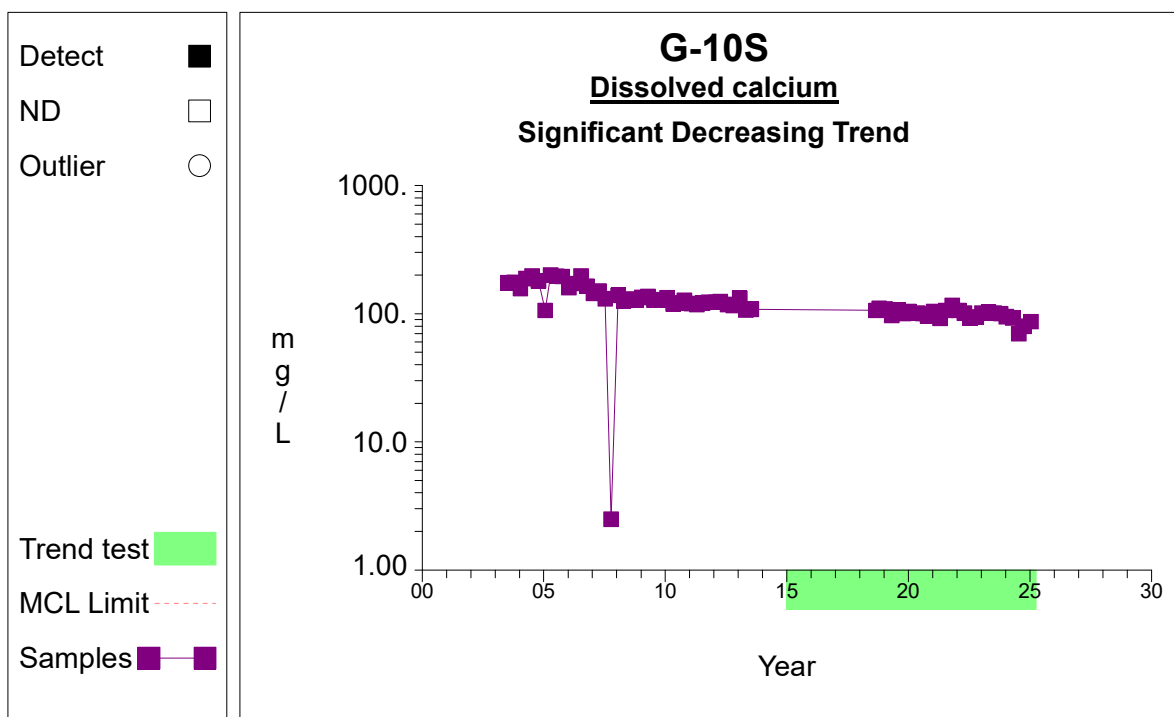
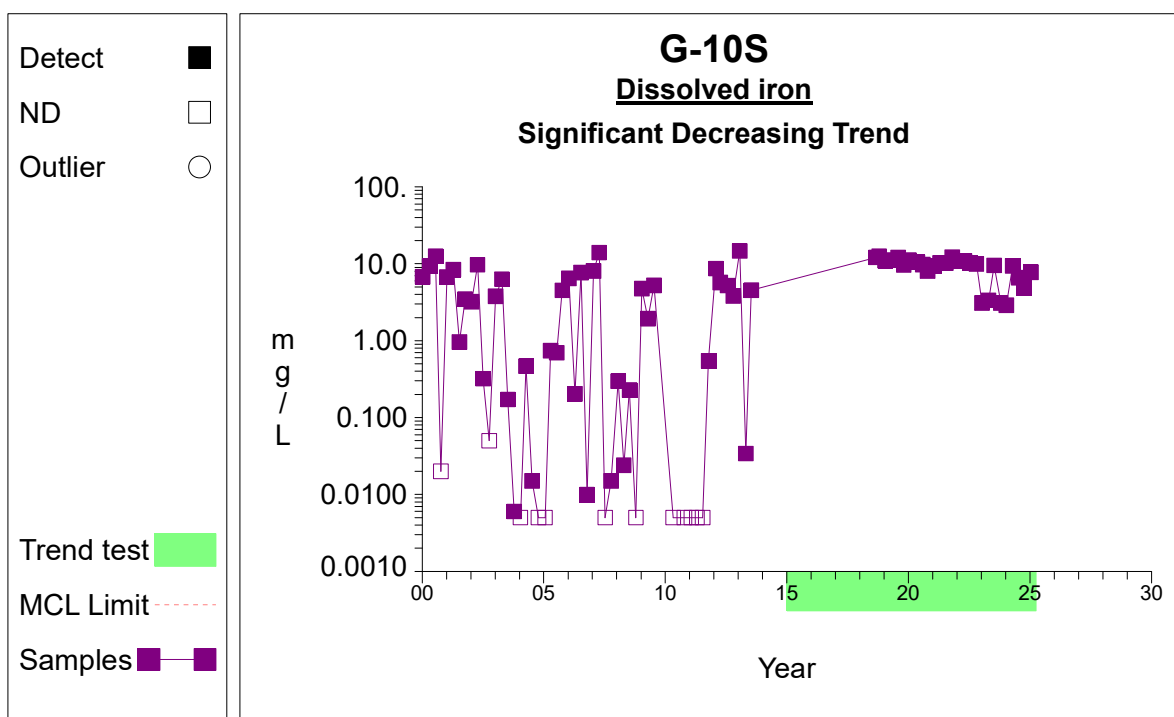
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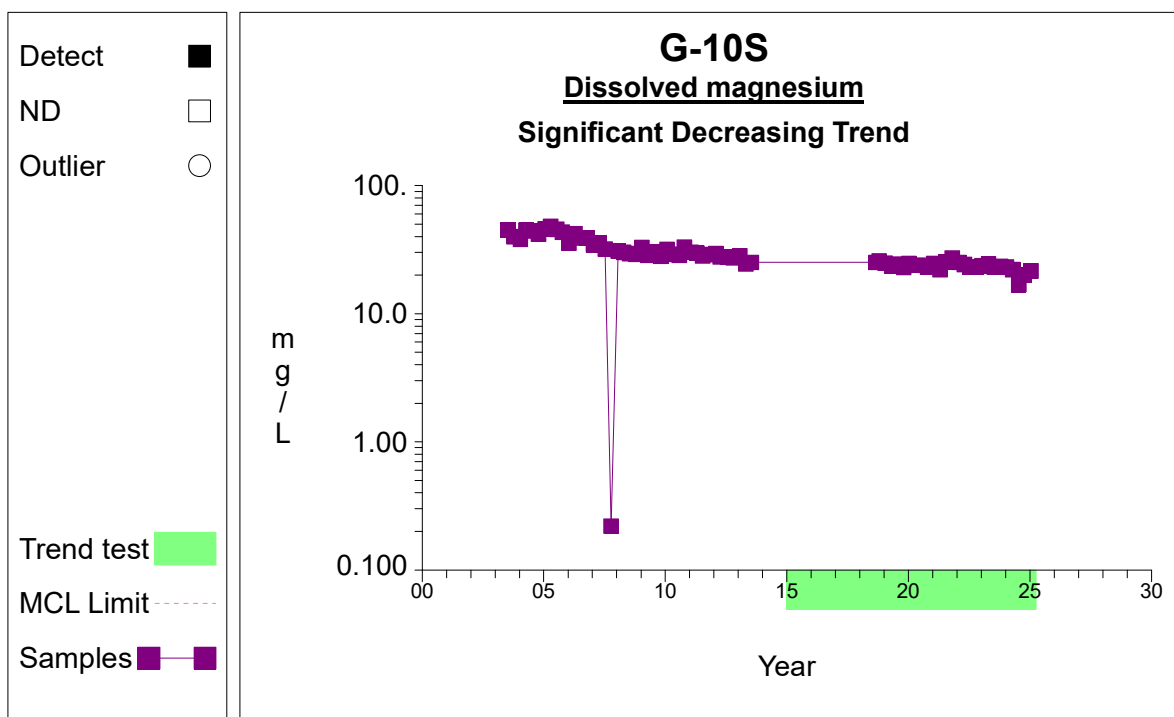
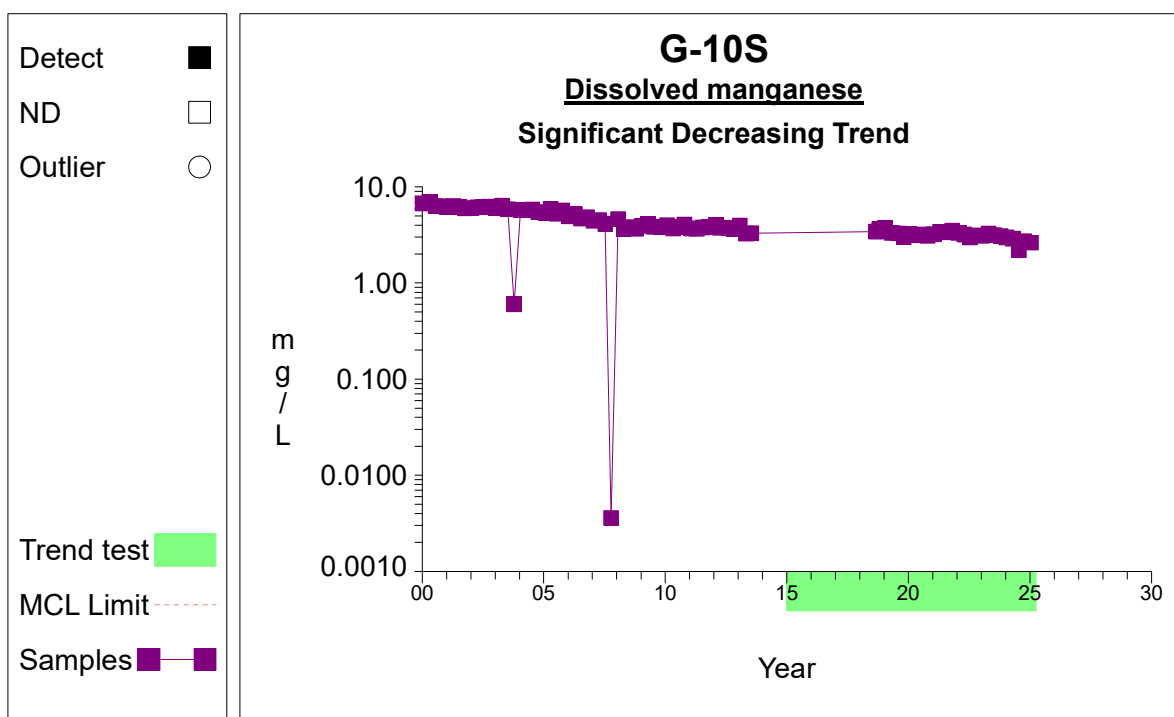


Time Series**Graph 123**Time Series**Graph 127**

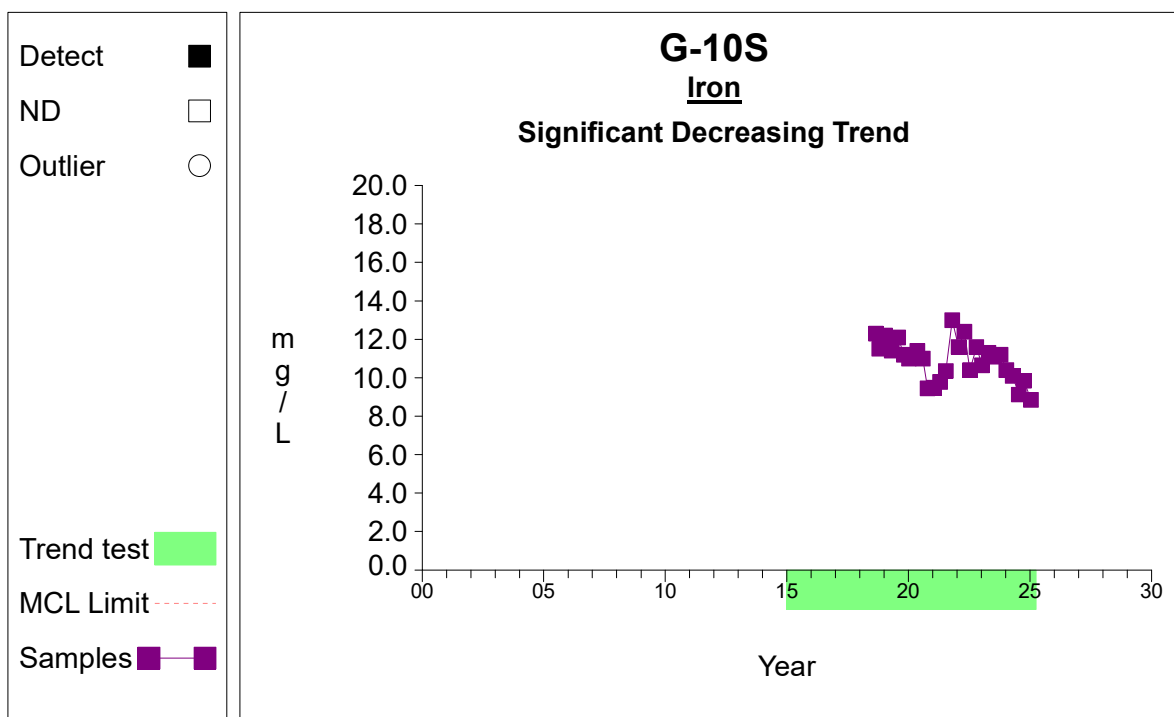
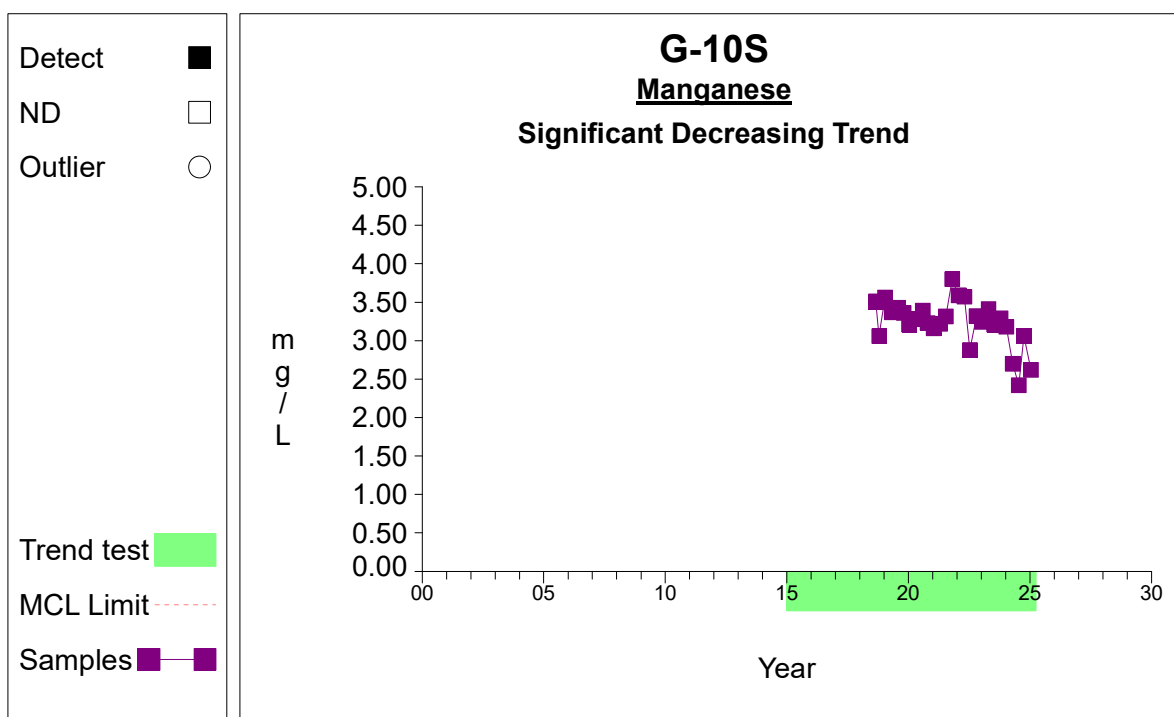
Time Series**Graph 128**Time Series**Graph 132**

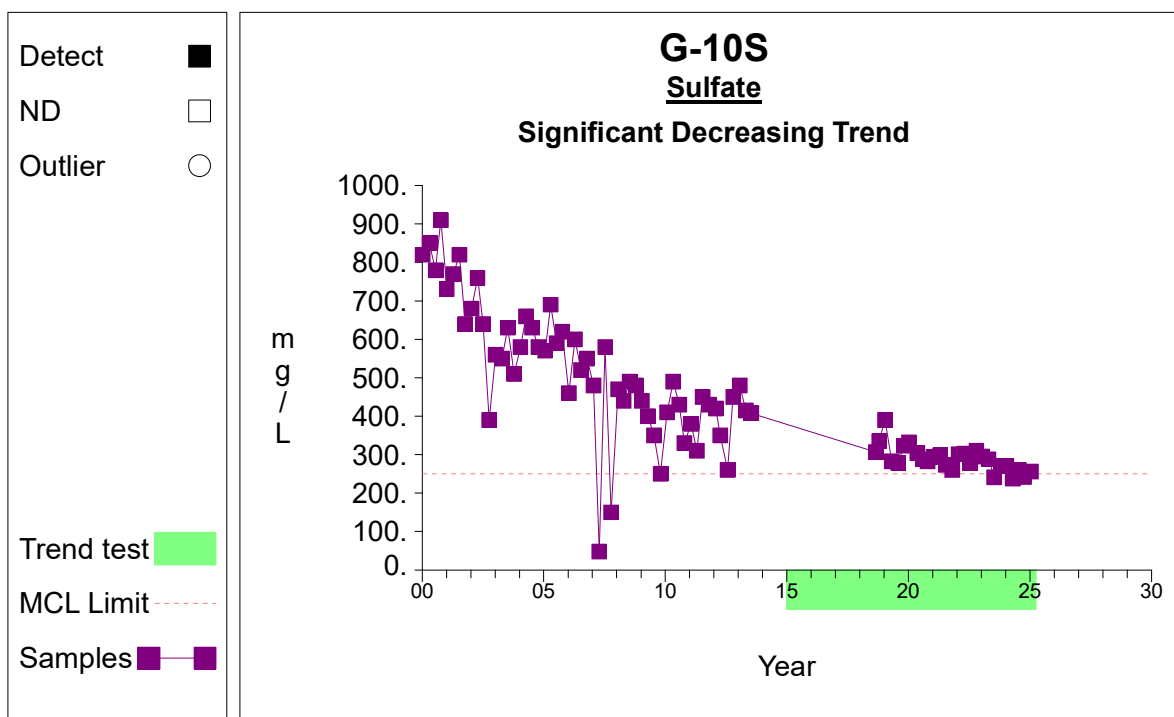
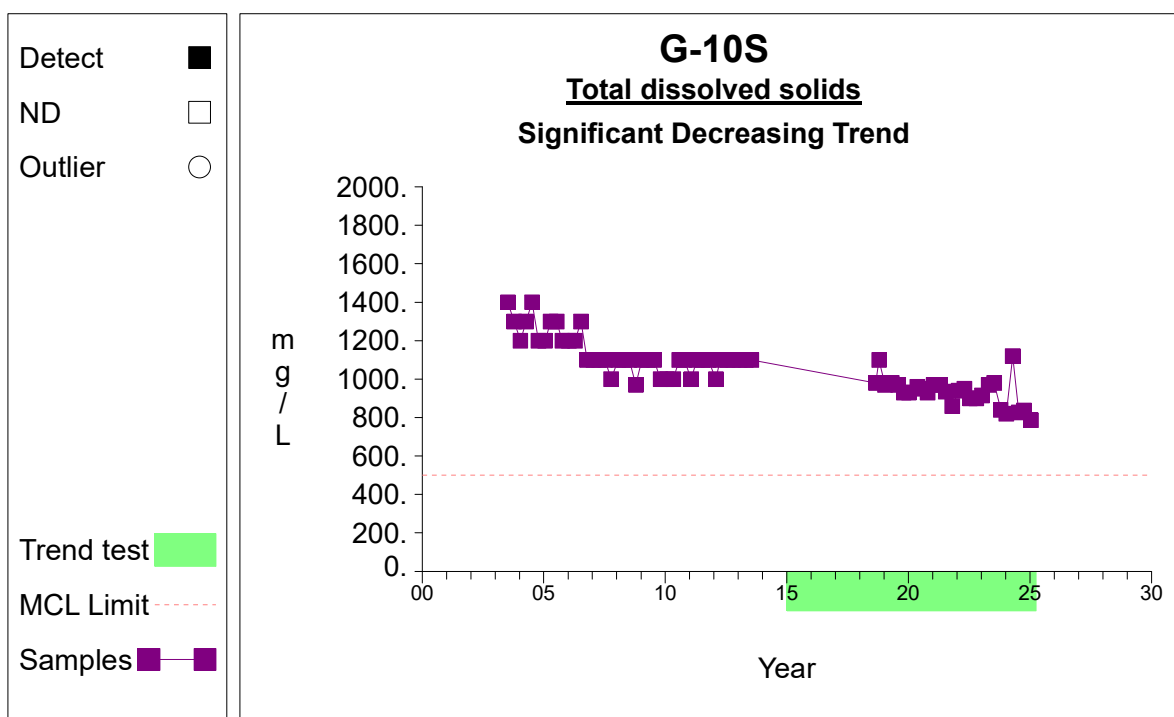
Time Series**Graph 135**Time Series**Graph 150**

Time Series**Graph 155**Time Series**Graph 156**

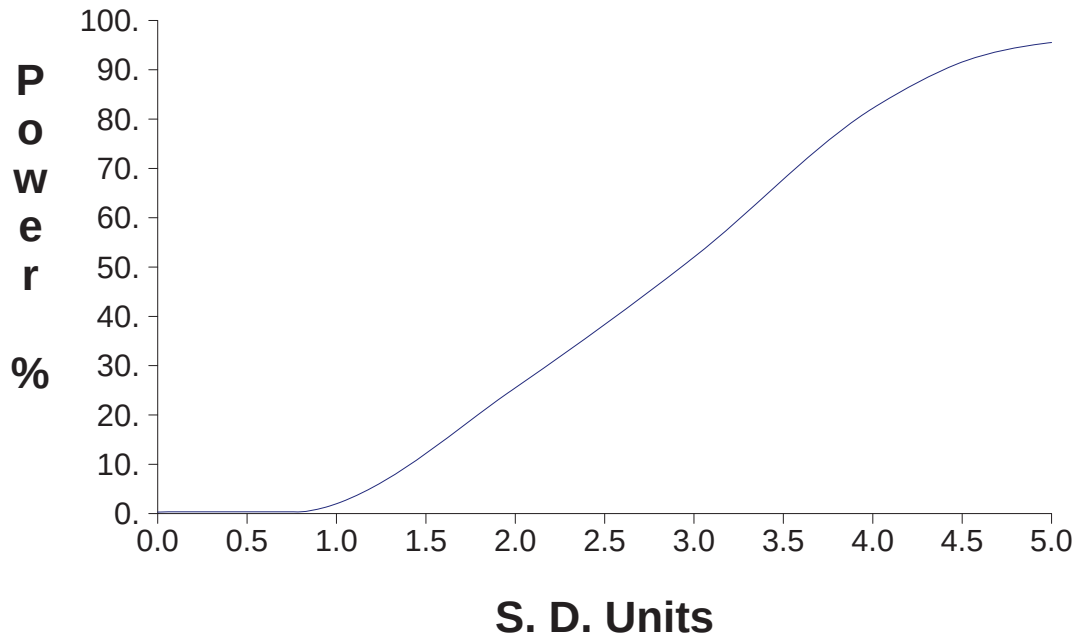
Time Series**Graph 157**Time Series**Graph 158**



Time Series**Graph 161**Time Series**Graph 163**

Time Series**Graph 170**Time Series**Graph 172**

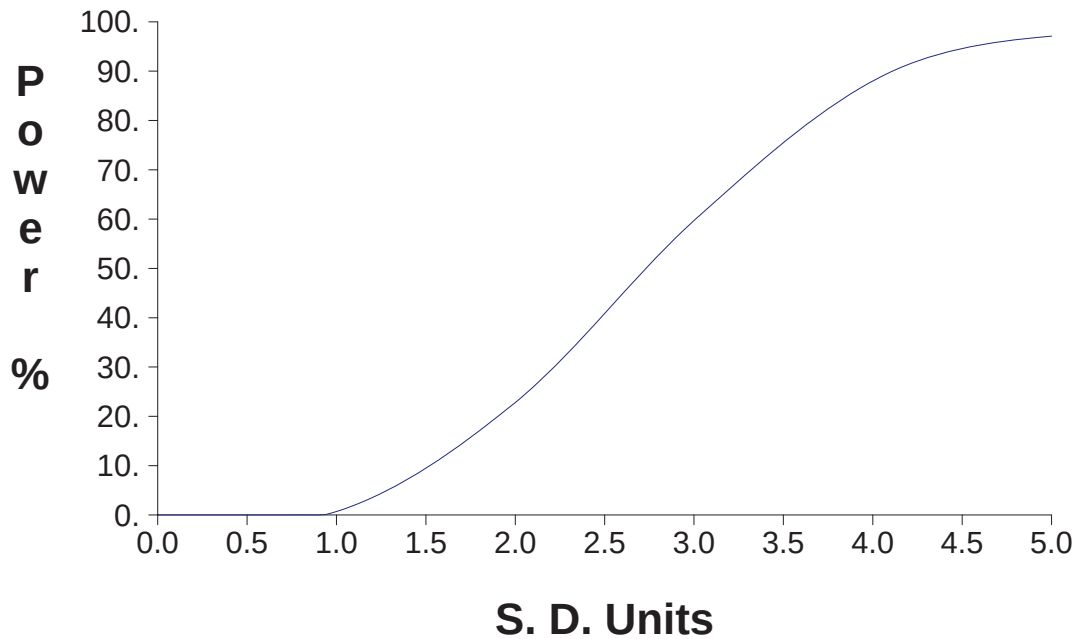
## False Positive and False Negative Rates for Current Intra-Well Prediction Limits Monitoring Program



Prepared by: Snohomish County Solid Waste

1

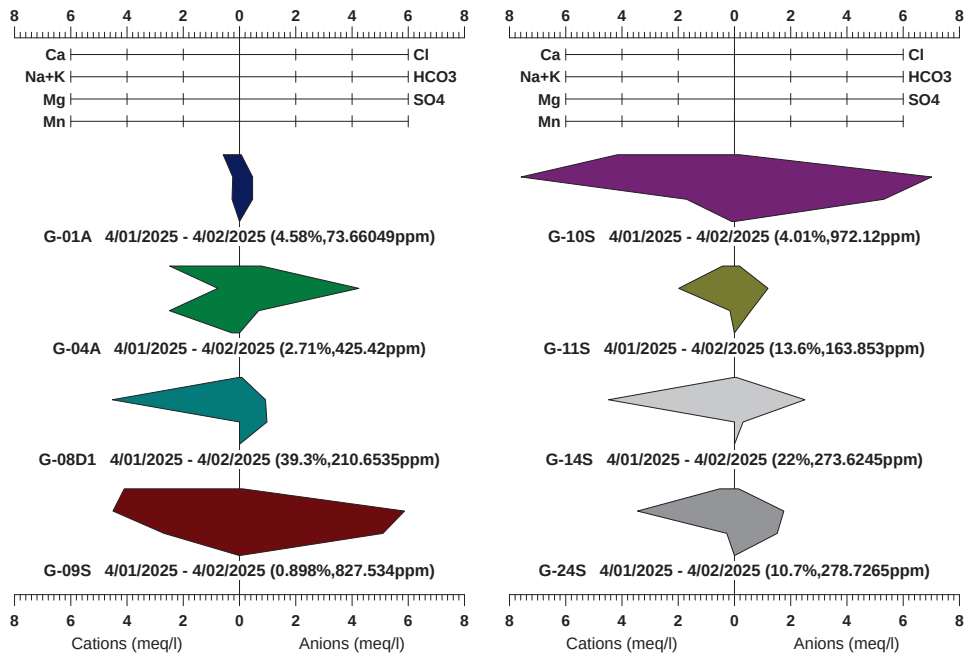
## False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program



Prepared by: Snohomish County Solid Waste

1

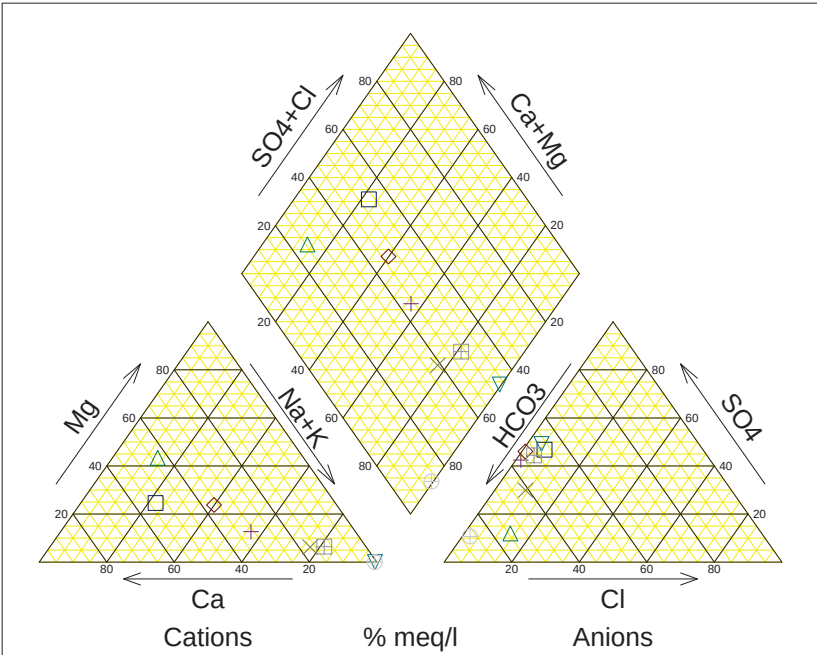
**Cathcart Landfill**



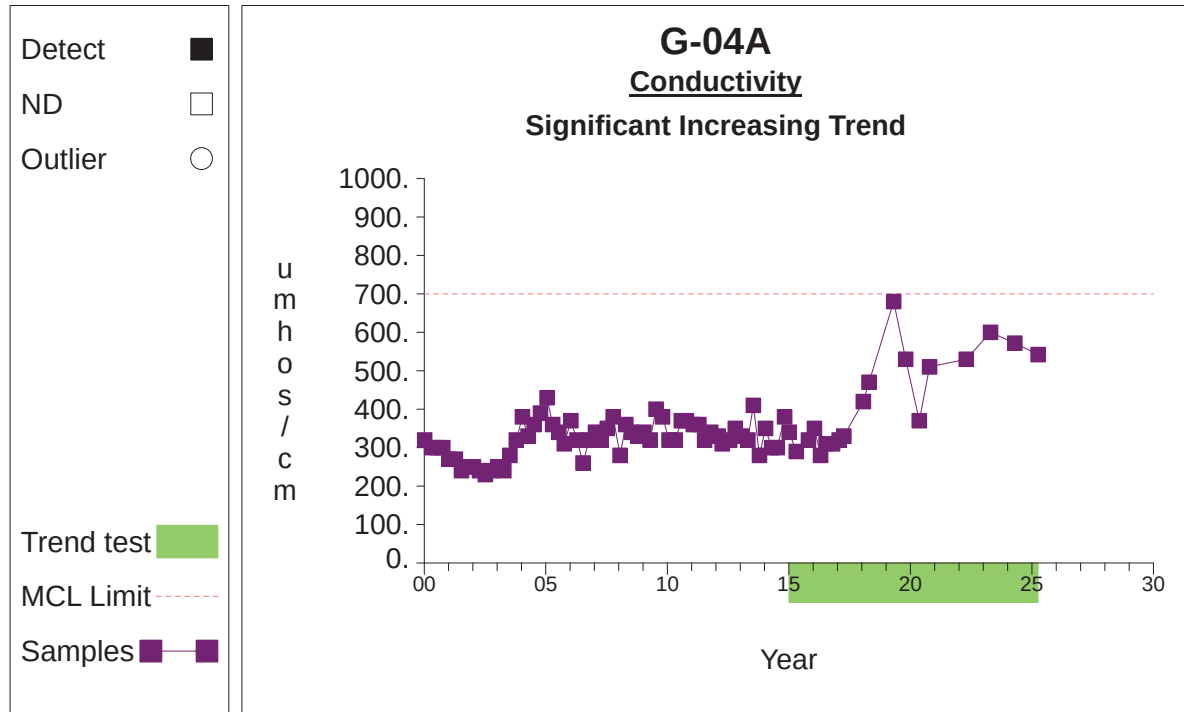
Prepared by: Snohomish County Solid Waste

**Cathcart Landfill**

|        |                                            |
|--------|--------------------------------------------|
| G-01A  | 4/01/2025 - 4/02/2025 (4.58%, 73.66049ppm) |
| G-04A  | 4/01/2025 - 4/02/2025 (2.71%, 425.42ppm)   |
| G-08D1 | 4/01/2025 - 4/02/2025 (39.3%, 210.6535ppm) |
| G-09S  | 4/01/2025 - 4/02/2025 (0.898%, 827.534ppm) |
| G-10S  | 4/01/2025 - 4/02/2025 (4.01%, 972.12ppm)   |
| G-11S  | 4/01/2025 - 4/02/2025 (13.6%, 163.853ppm)  |
| G-14S  | 4/01/2025 - 4/02/2025 (22%, 273.6245ppm)   |
| G-24S  | 4/01/2025 - 4/02/2025 (10.7%, 278.7265ppm) |

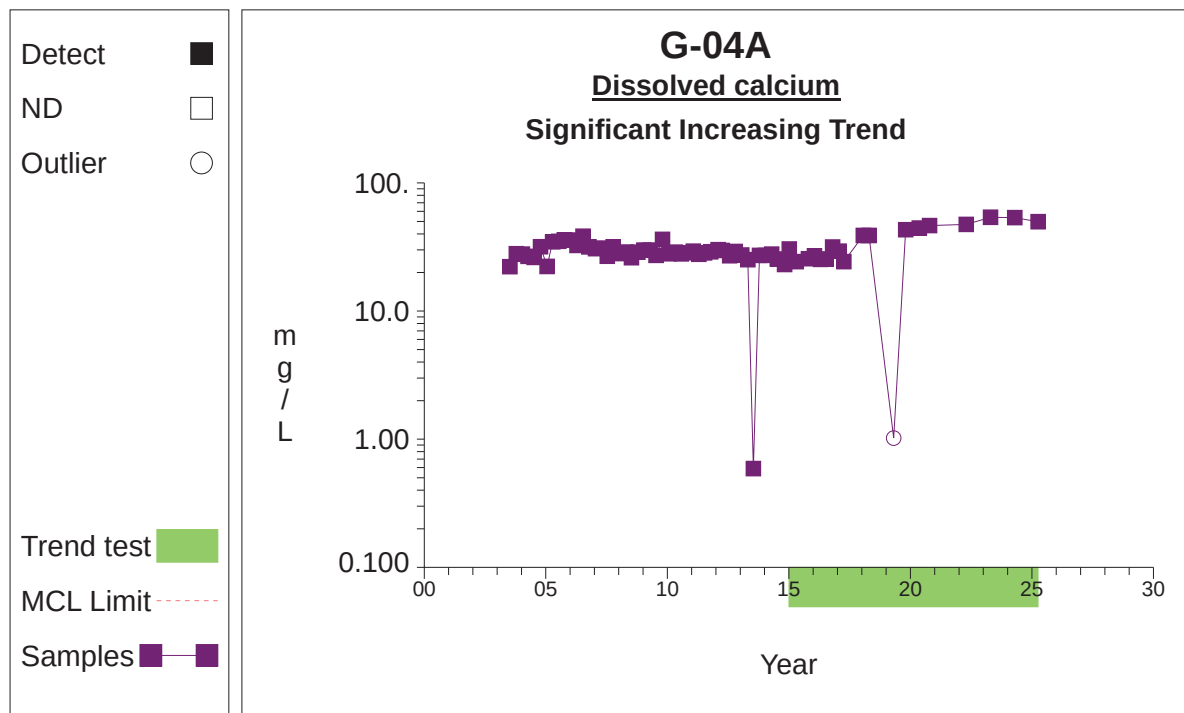


Prepared by: Snohomish County Solid Waste

Time Series**Graph 48**

Prepared by: Snohomish County Solid Waste

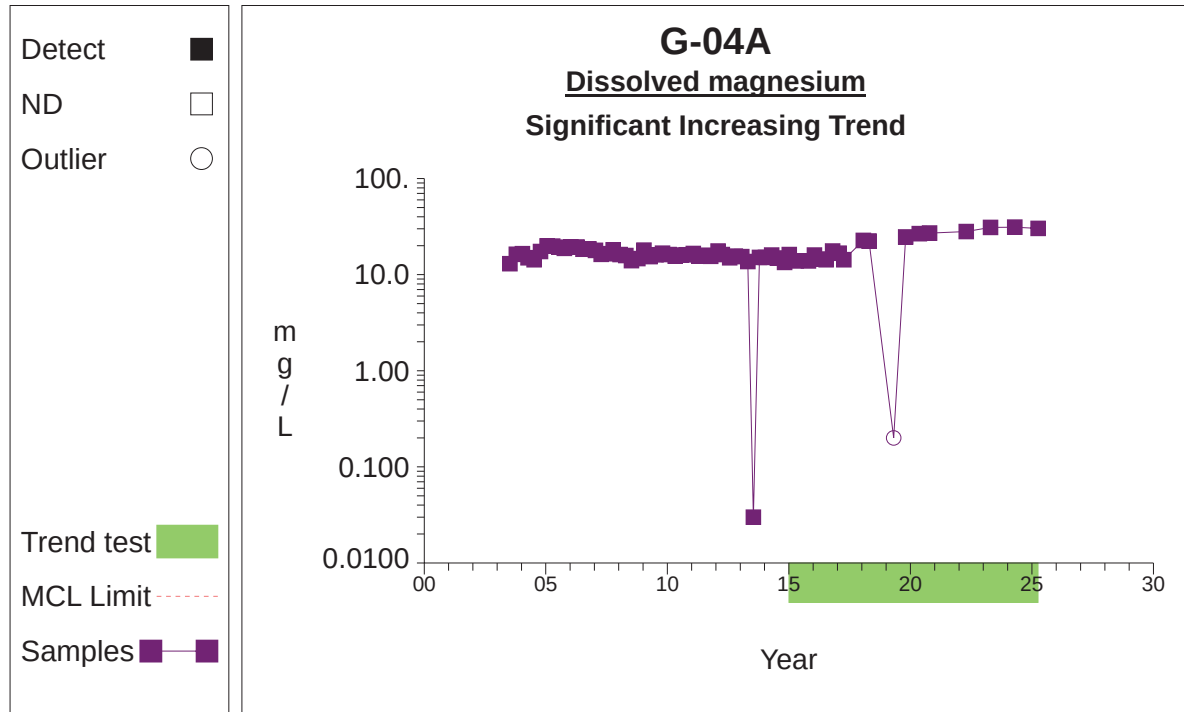
1

Time Series**Graph 50**

Prepared by: Snohomish County Solid Waste

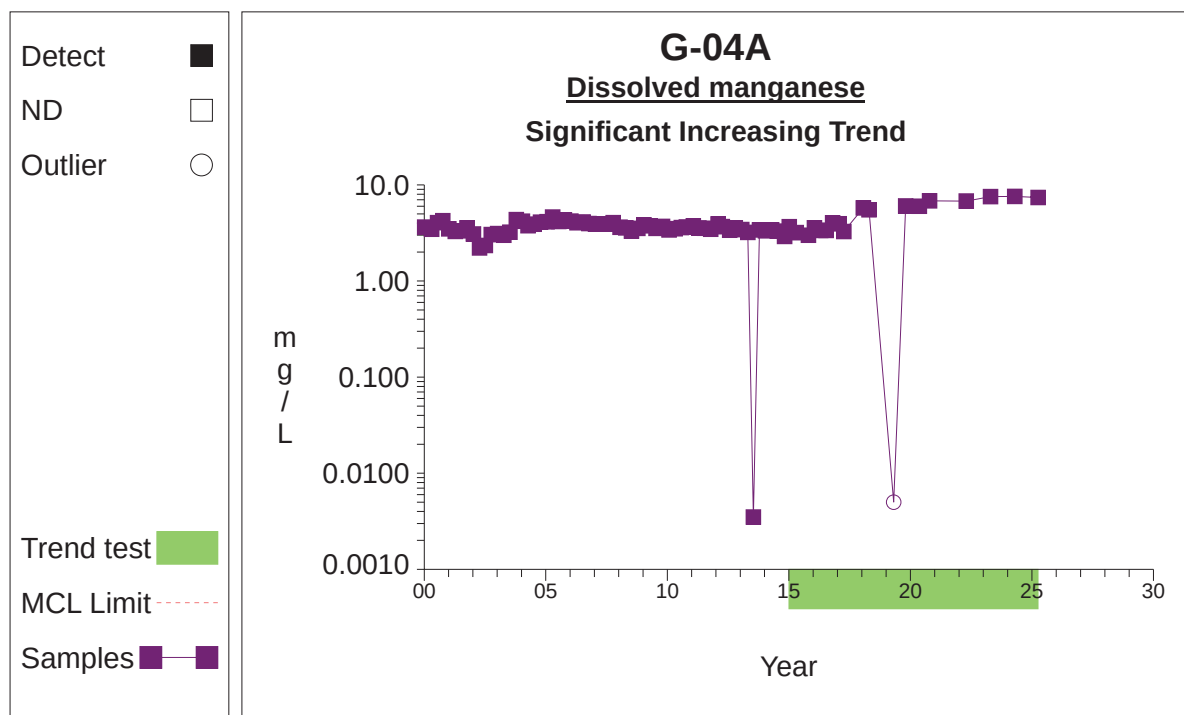
2



Time Series**Graph 52**

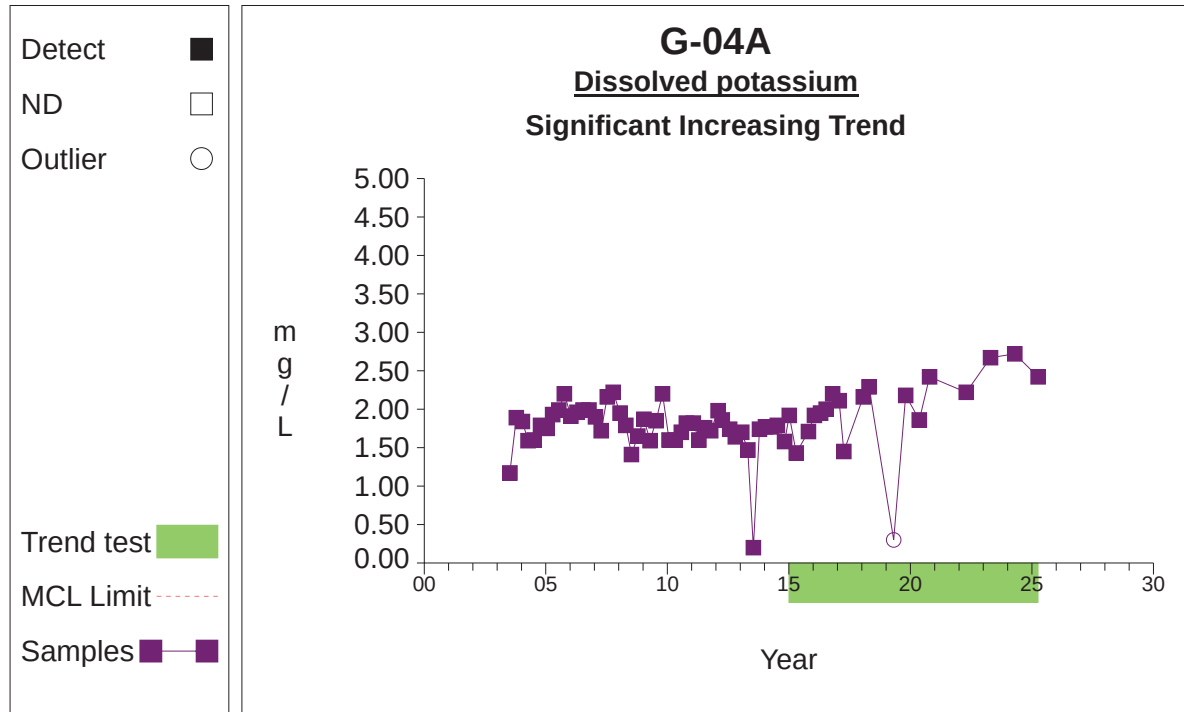
Prepared by: Snohomish County Solid Waste

3

Time Series**Graph 53**

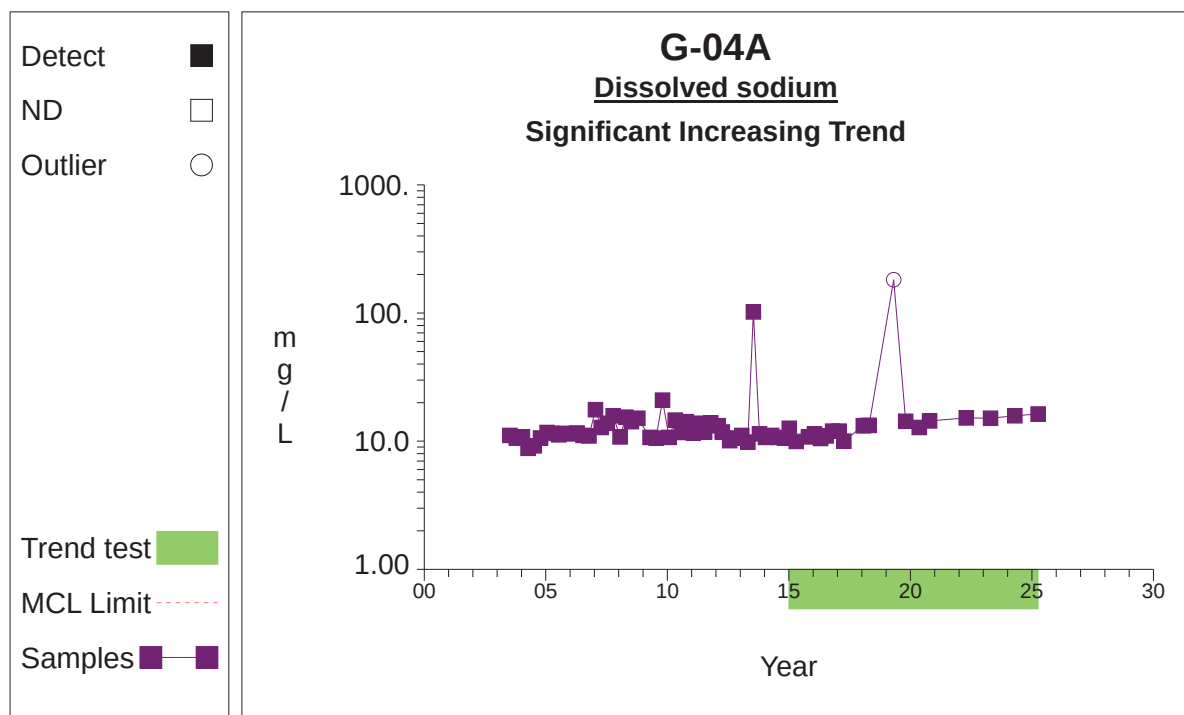
Prepared by: Snohomish County Solid Waste

4

Time Series**Graph 54**

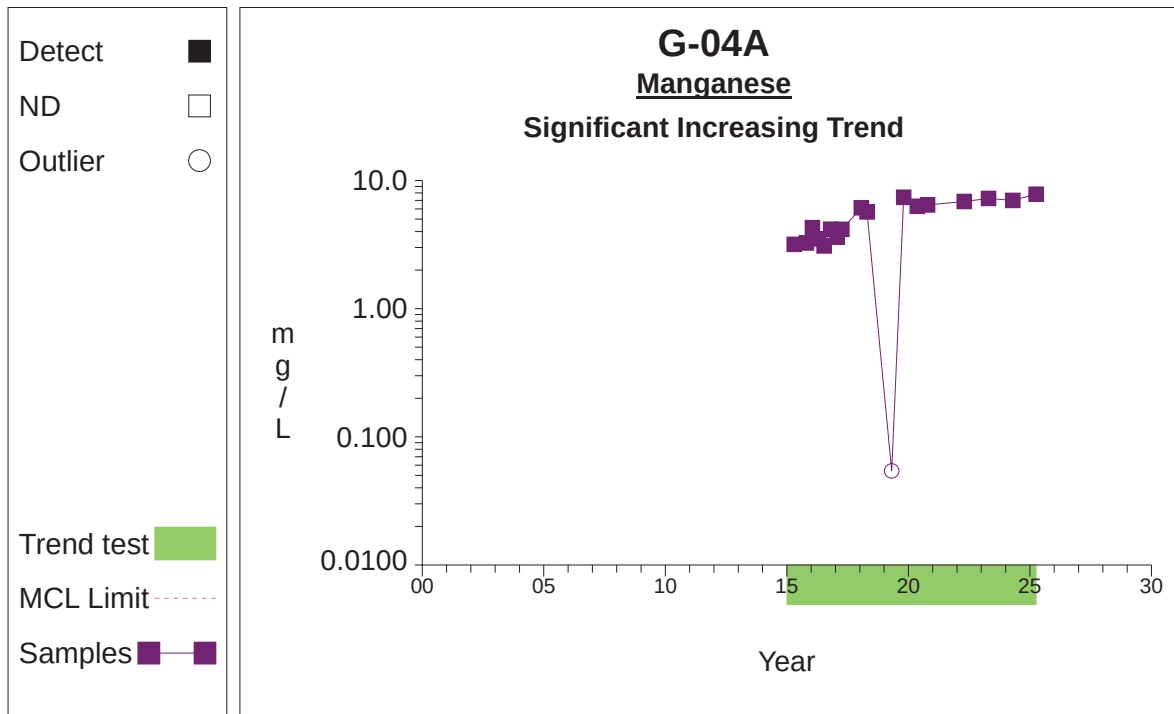
Prepared by: Snohomish County Solid Waste

5

Time Series**Graph 55**

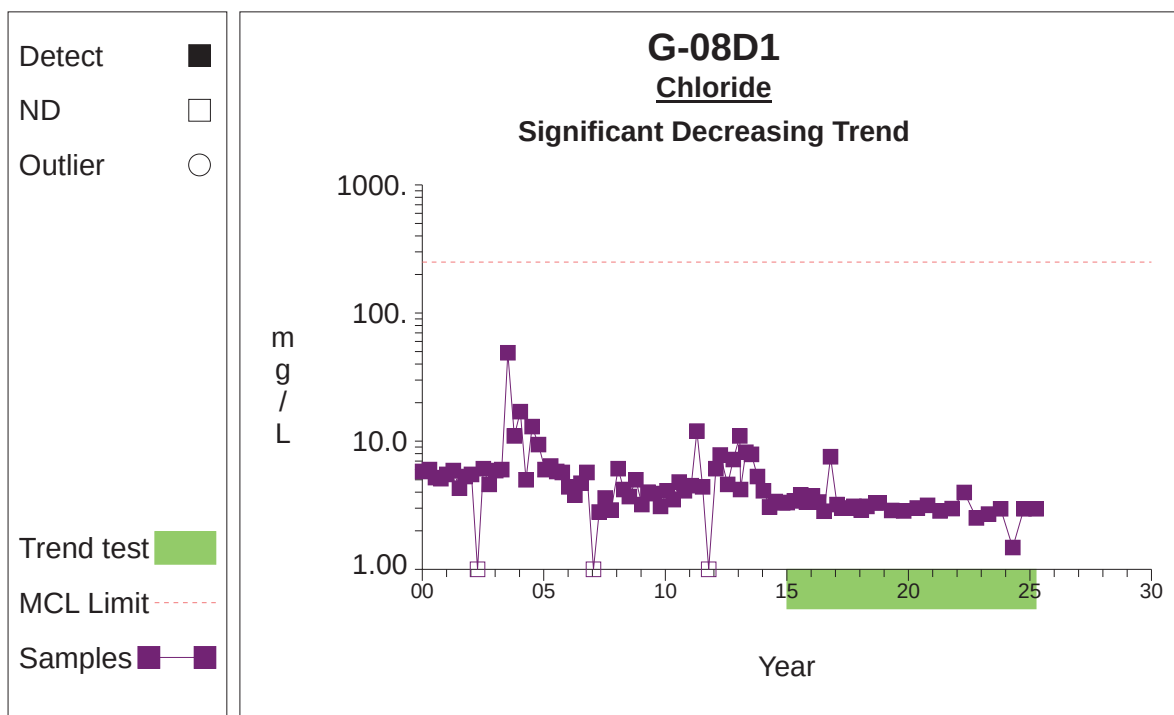
Prepared by: Snohomish County Solid Waste

6

Time Series**Graph 58**

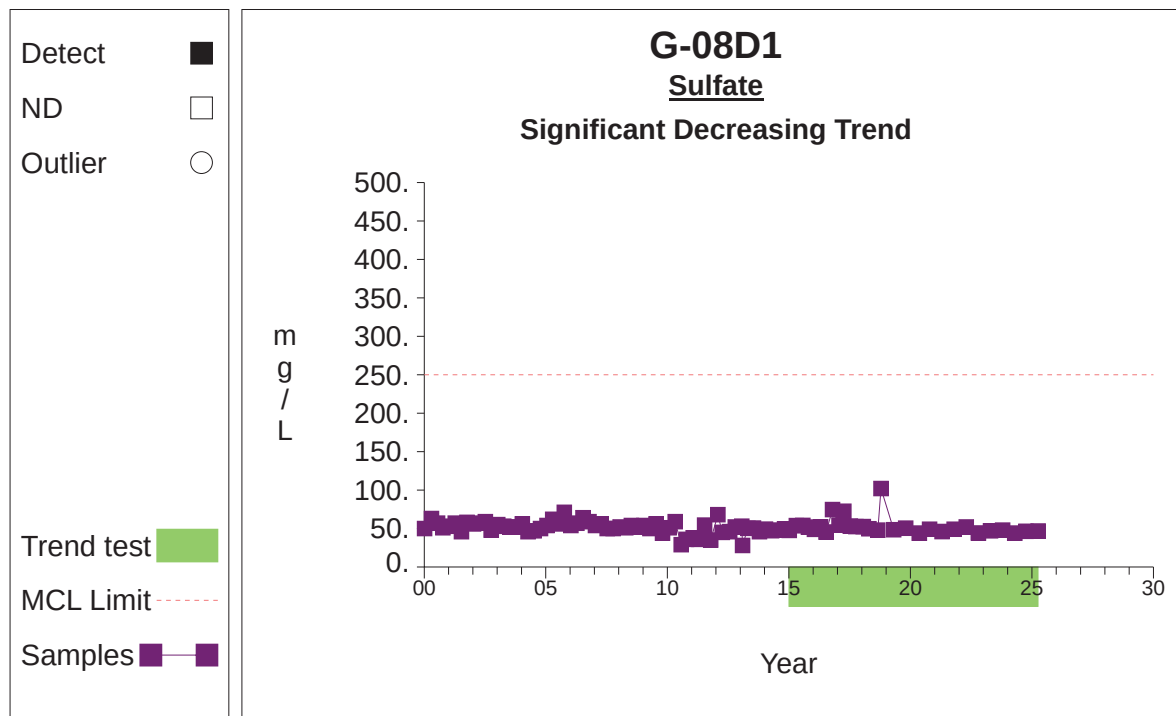
Prepared by: Snohomish County Solid Waste

7

Time Series**Graph 80**

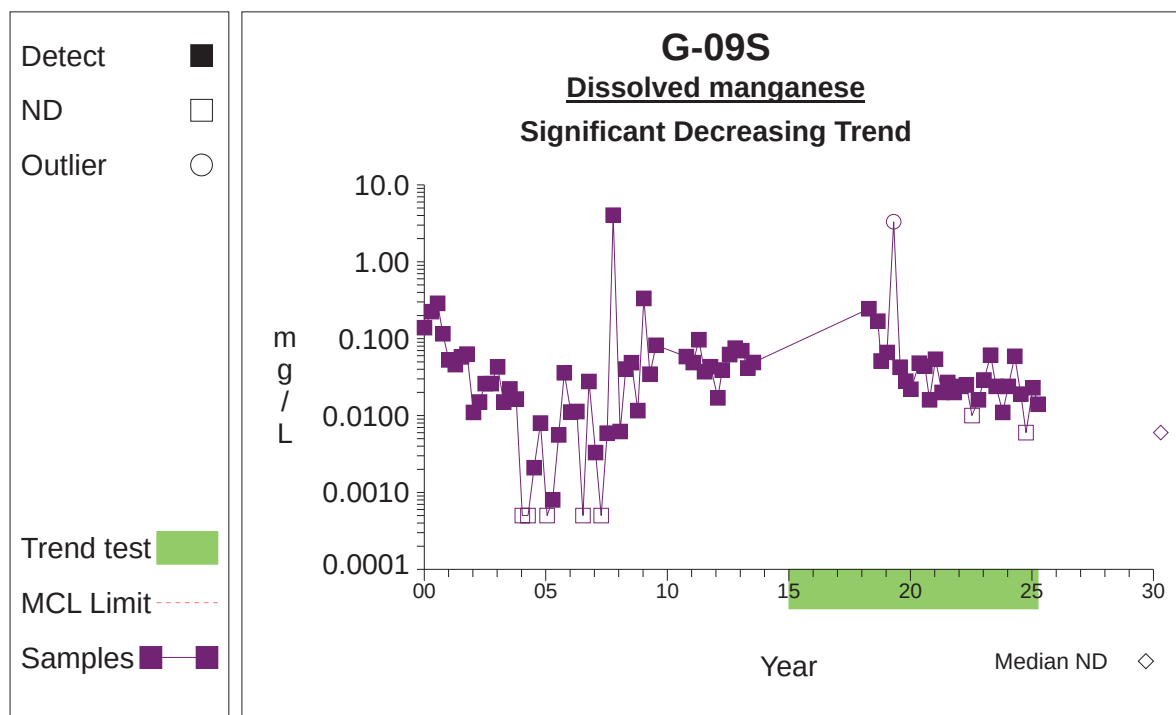
Prepared by: Snohomish County Solid Waste

8

Time Series**Graph 100**

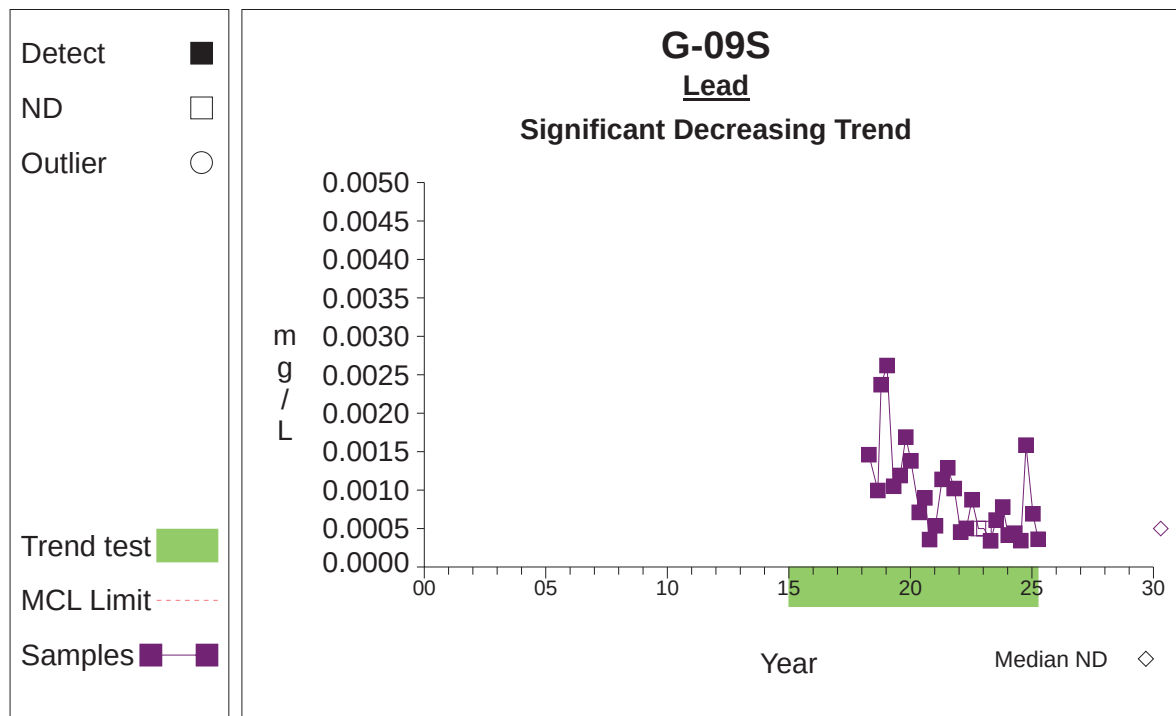
Prepared by: Snohomish County Solid Waste

9

Time Series**Graph 123**

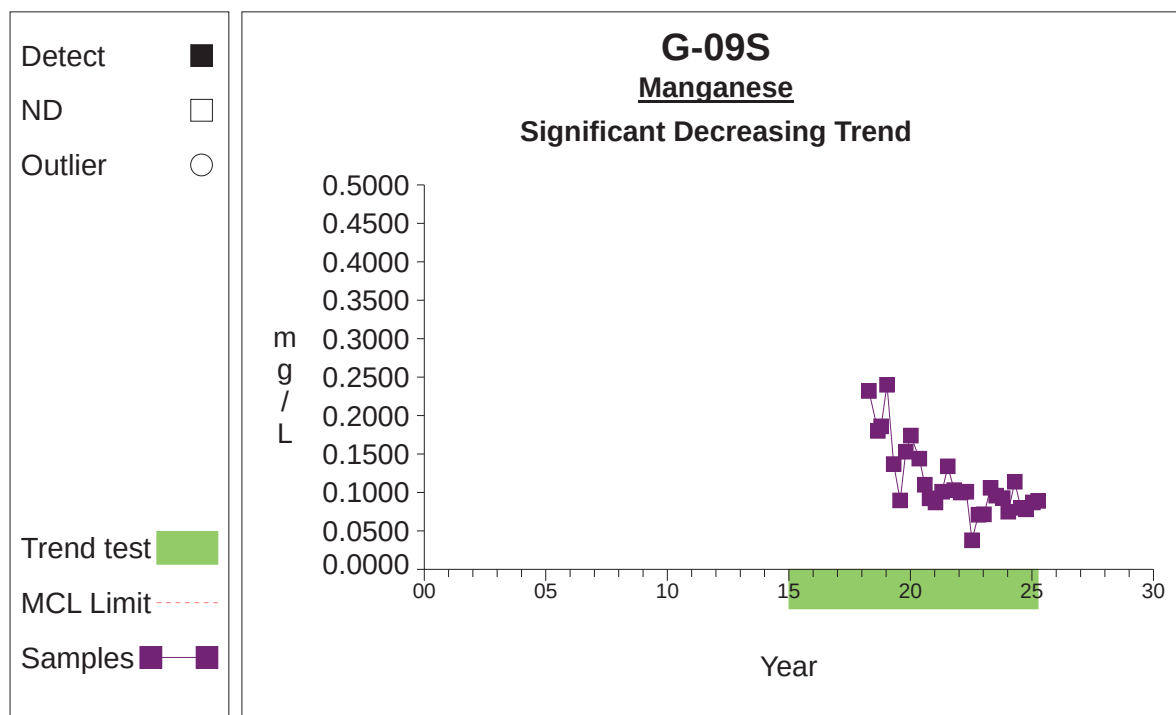
Prepared by: Snohomish County Solid Waste

10

Time Series**Graph 127**

Prepared by: Snohomish County Solid Waste

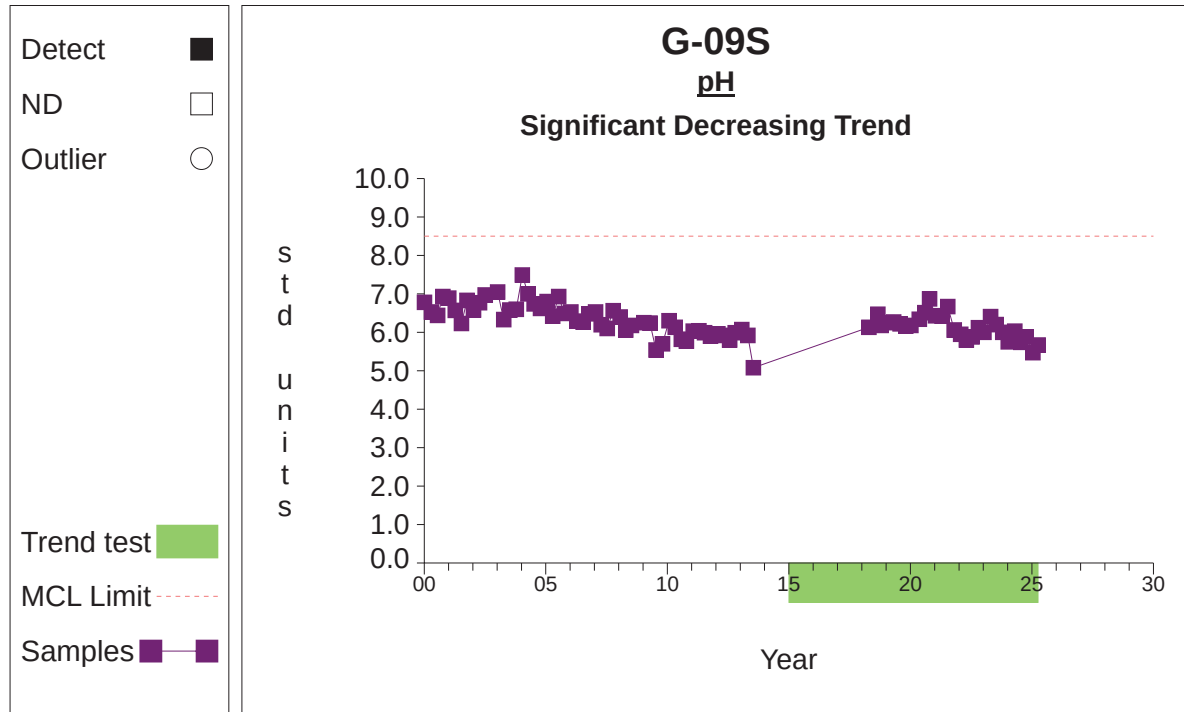
11

Time Series**Graph 128**

Prepared by: Snohomish County Solid Waste

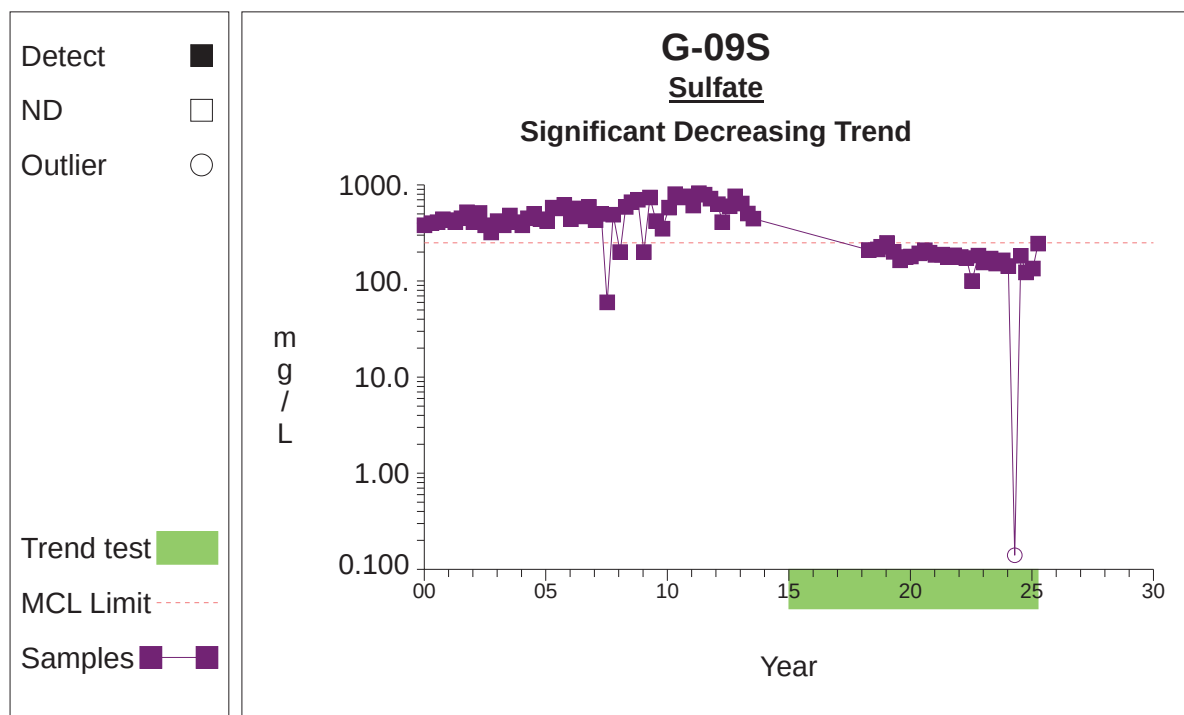
12



Time Series**Graph 132**

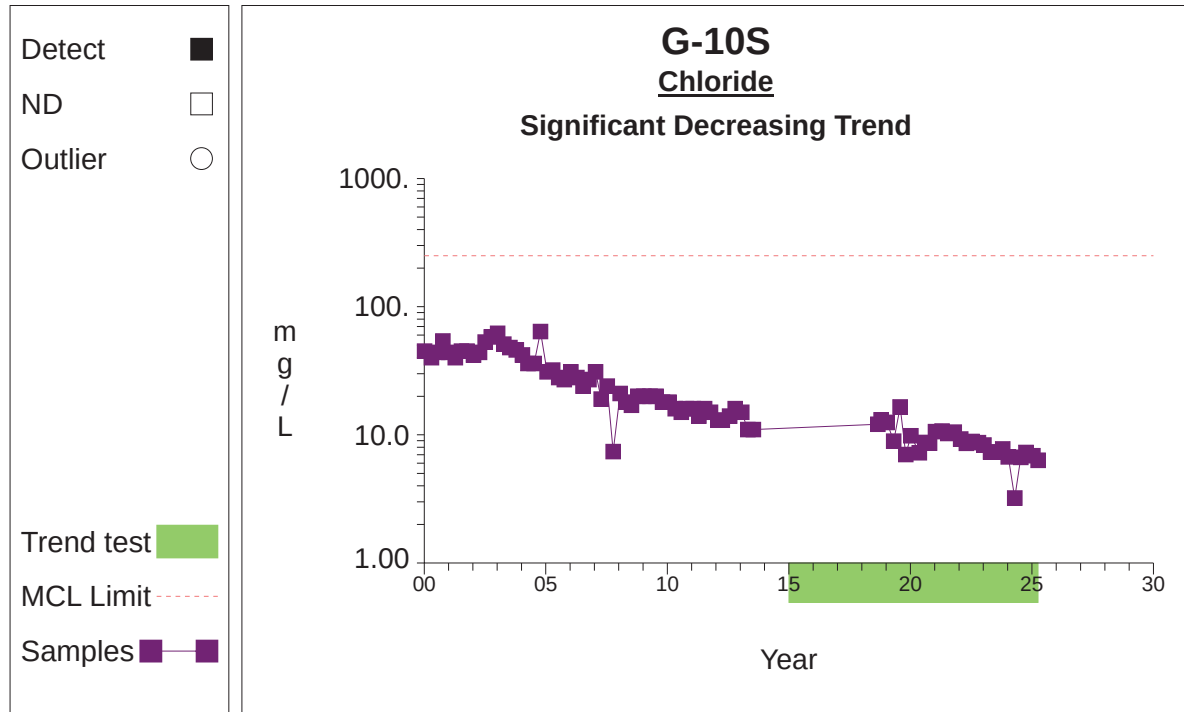
Prepared by: Snohomish County Solid Waste

13

Time Series**Graph 135**

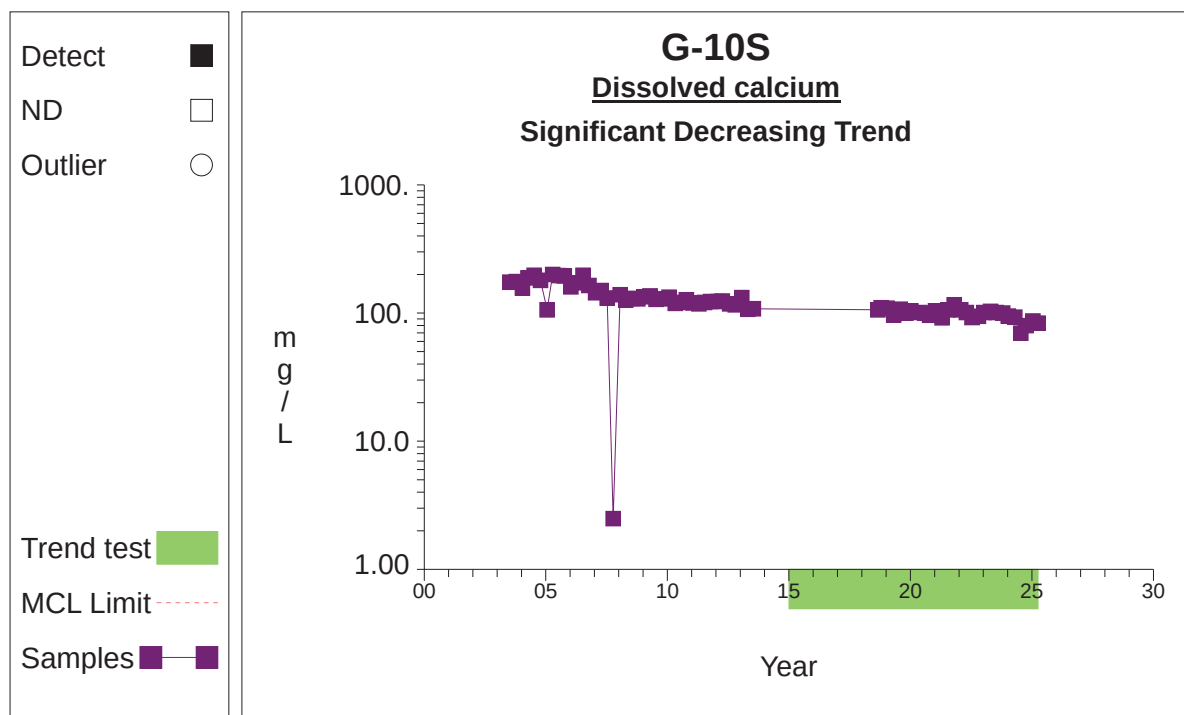
Prepared by: Snohomish County Solid Waste

14

Time Series**Graph 150**

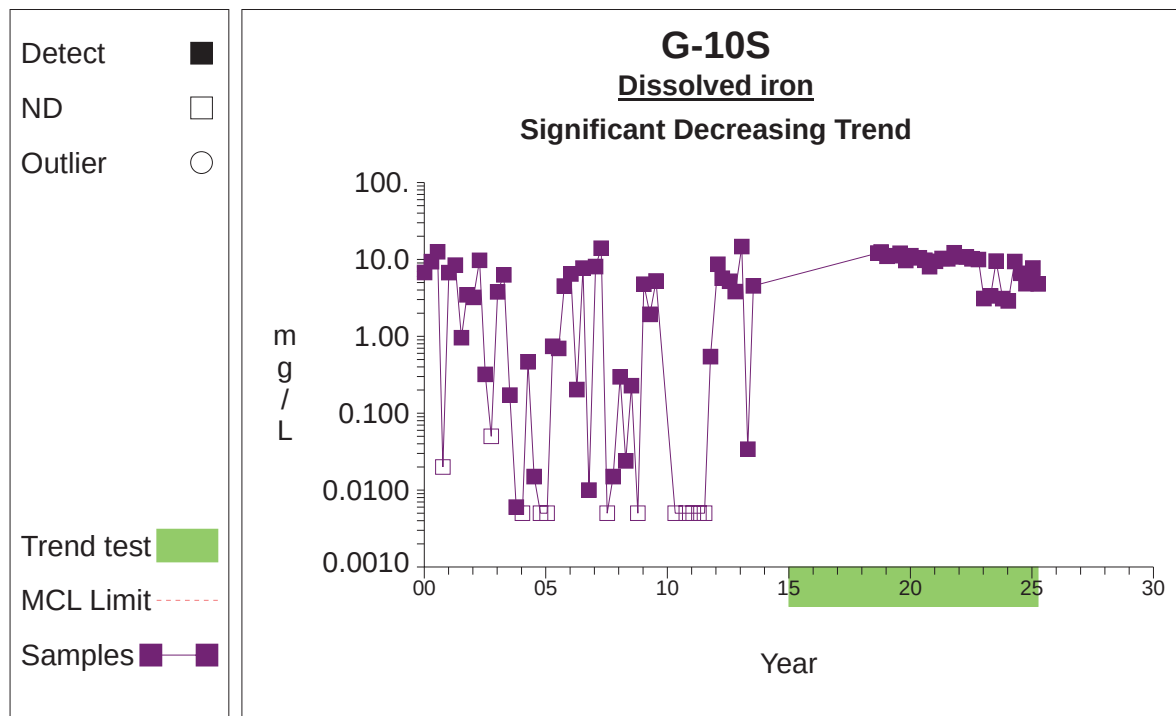
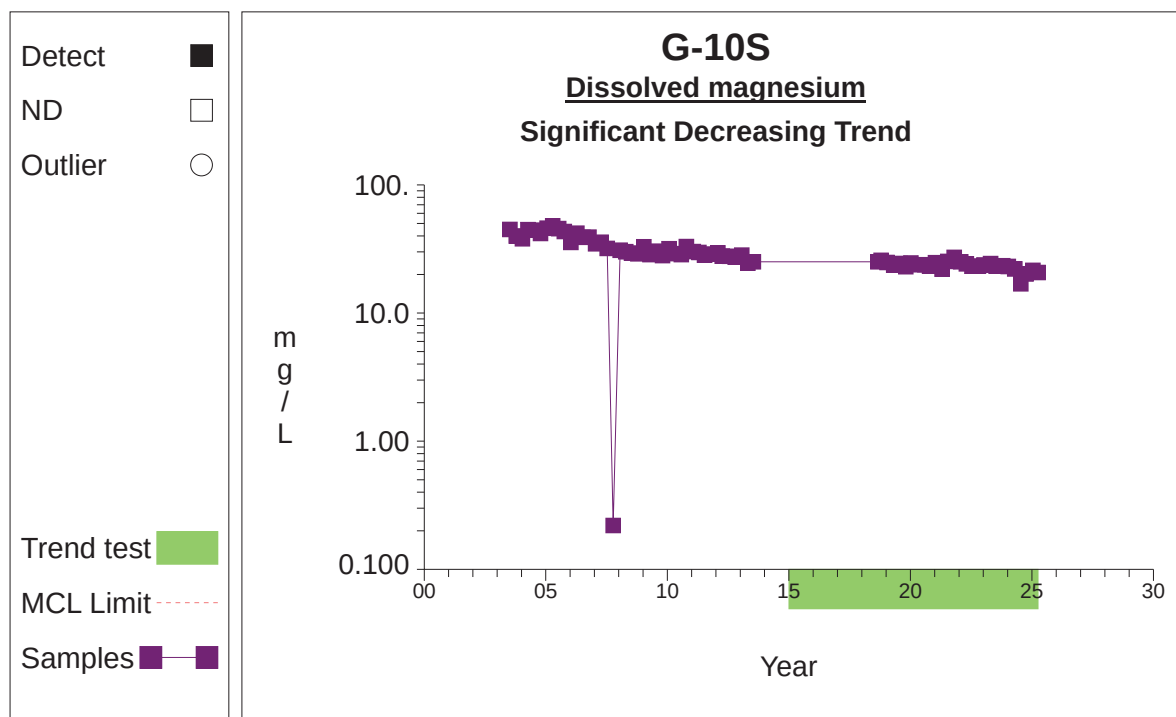
Prepared by: Snohomish County Solid Waste

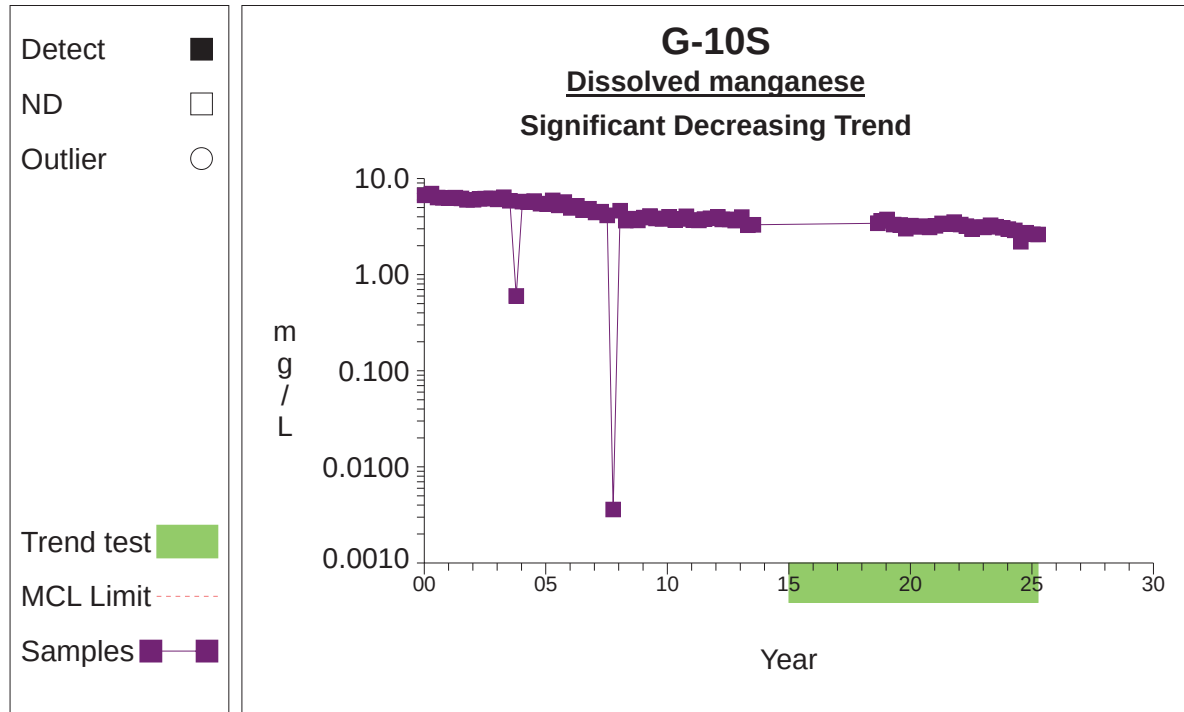
15

Time Series**Graph 155**

Prepared by: Snohomish County Solid Waste

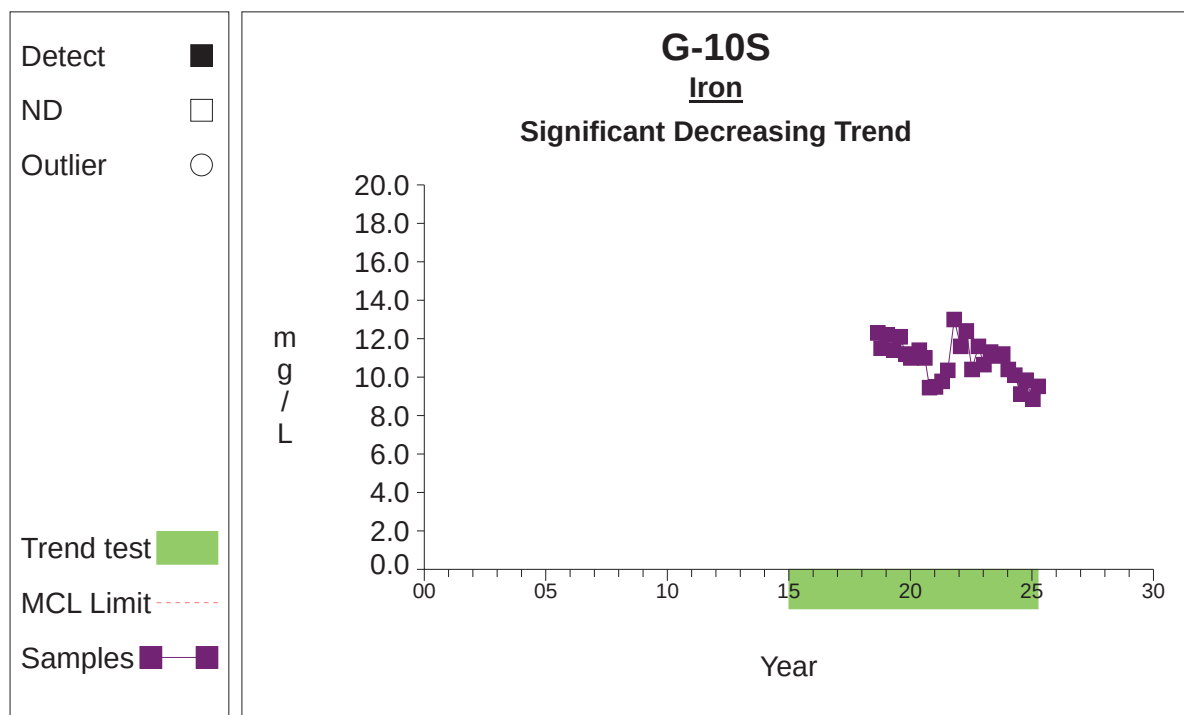
16

Time Series**Graph 156**Time Series**Graph 157**

Time Series**Graph 158**

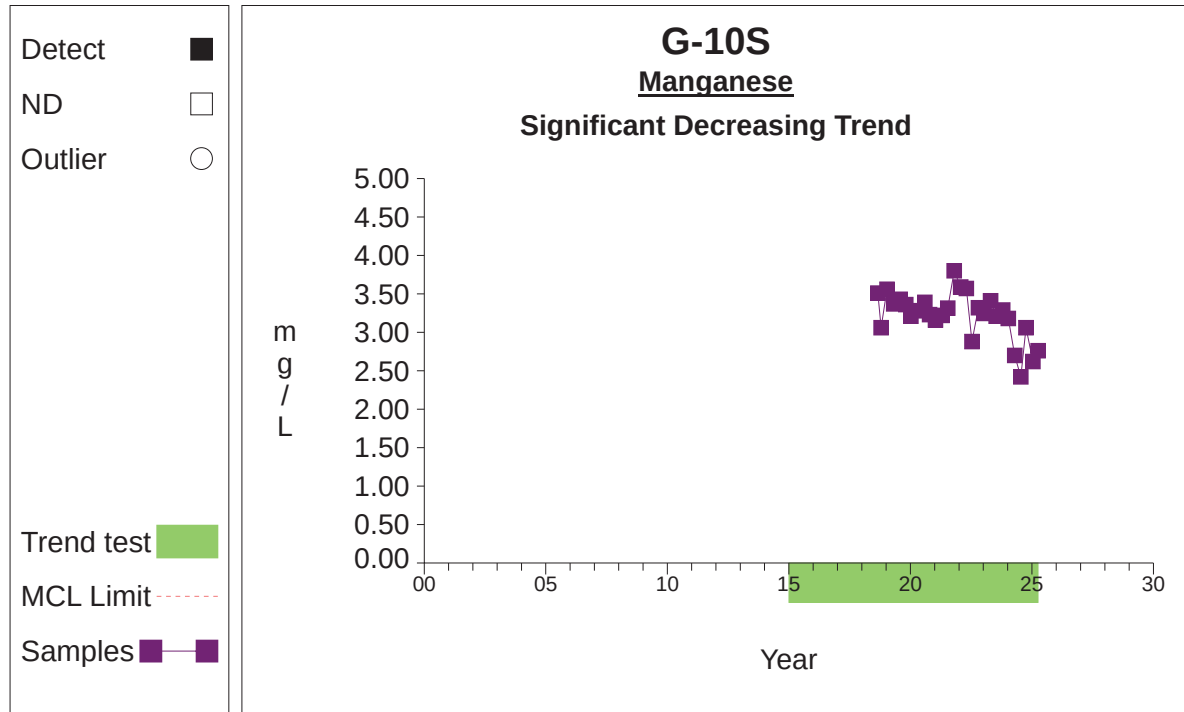
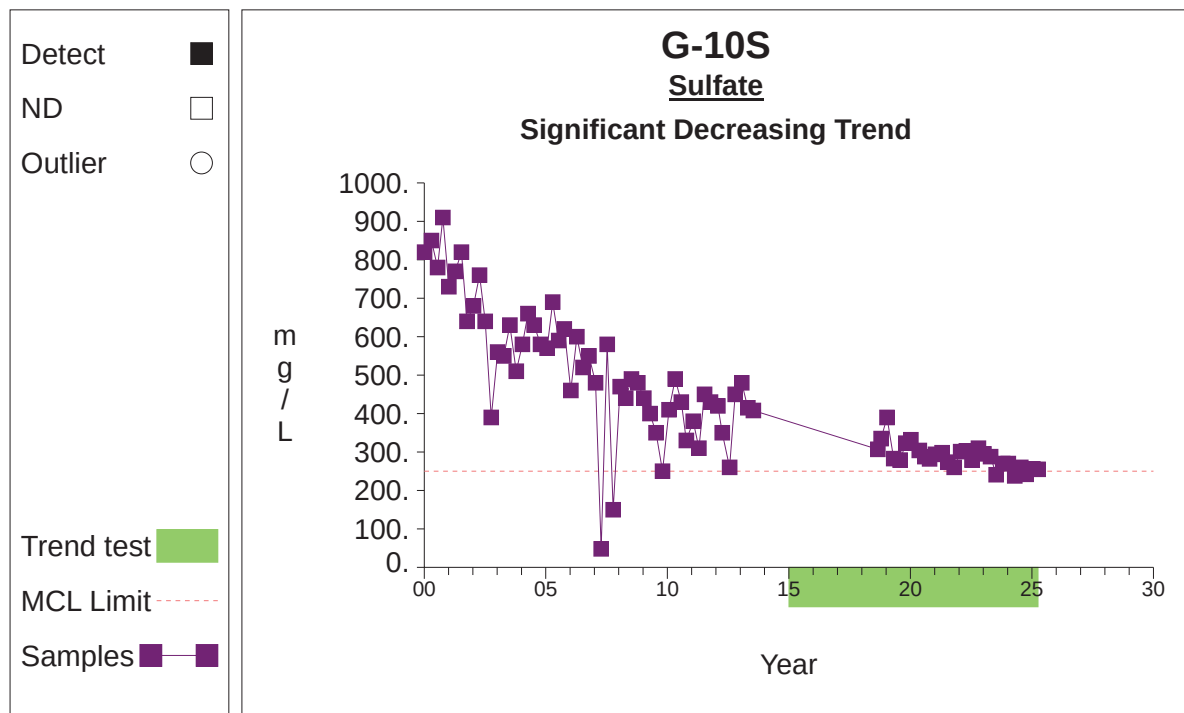
Prepared by: Snohomish County Solid Waste

19

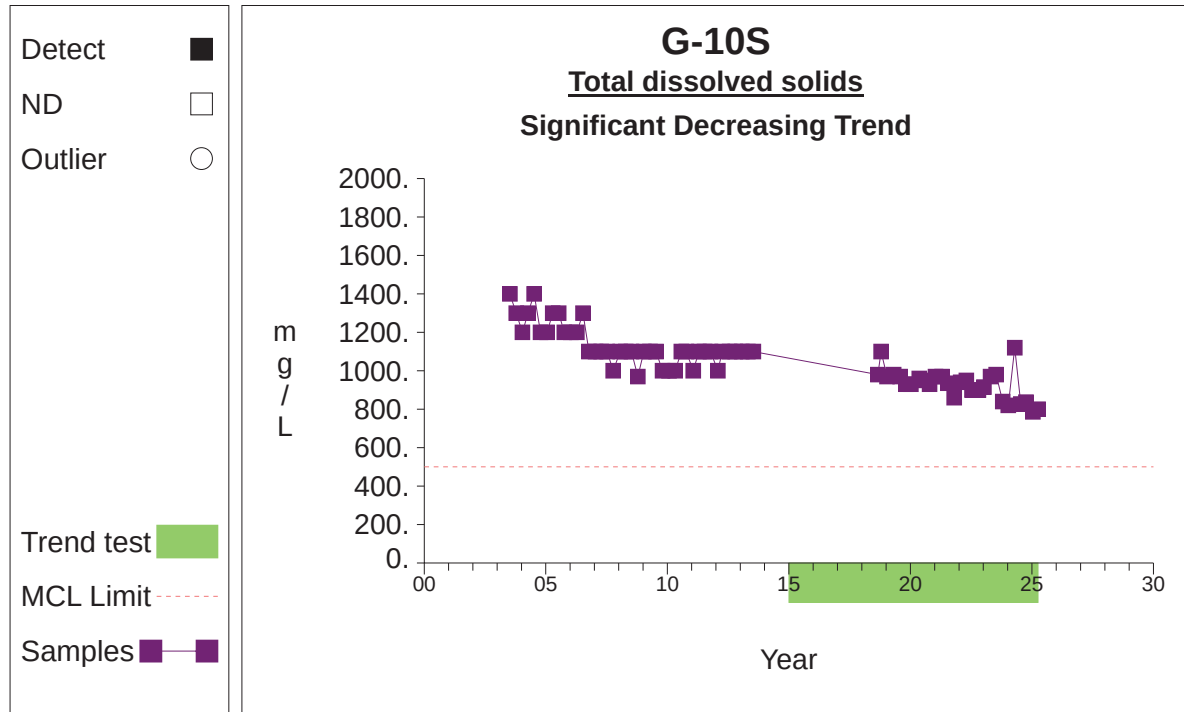
Time Series**Graph 161**

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20

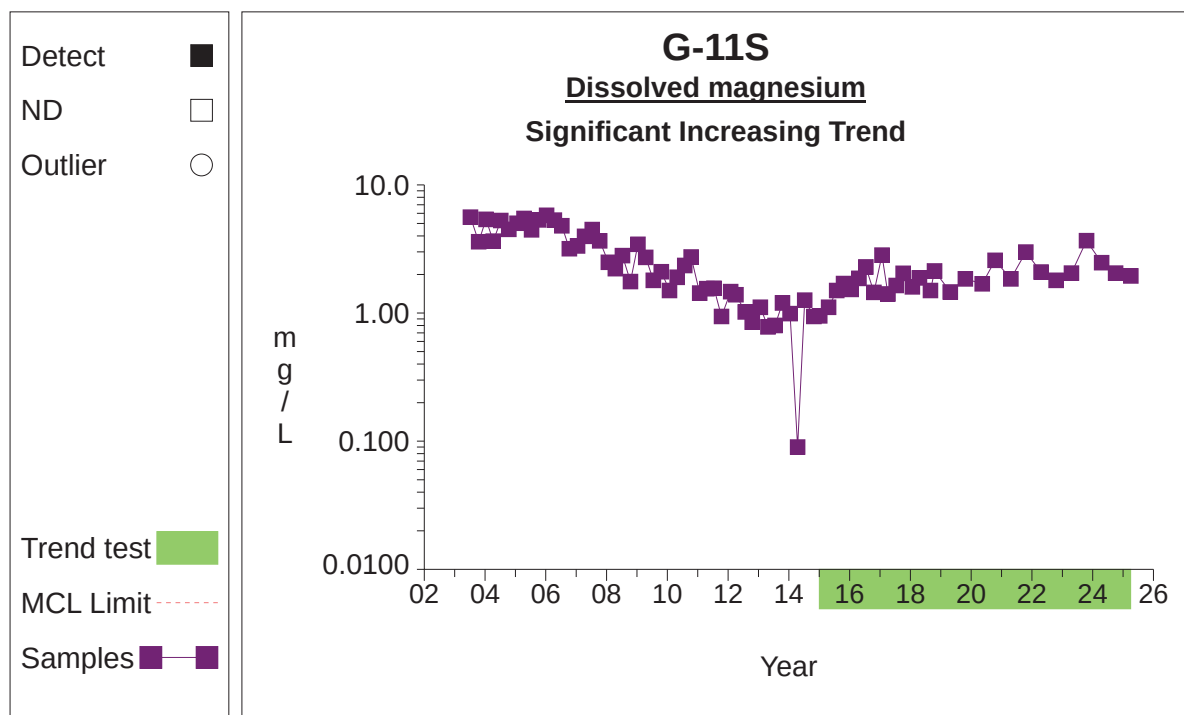
Time Series**Graph 163**Time Series**Graph 170**



Time Series**Graph 172**

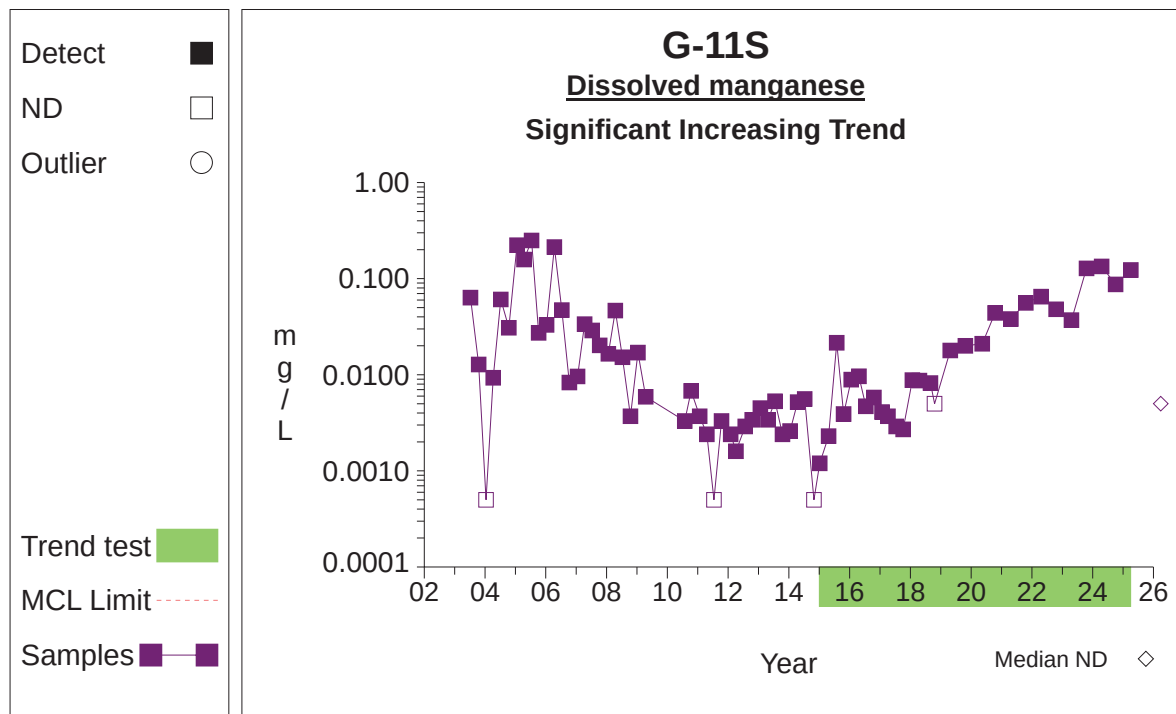
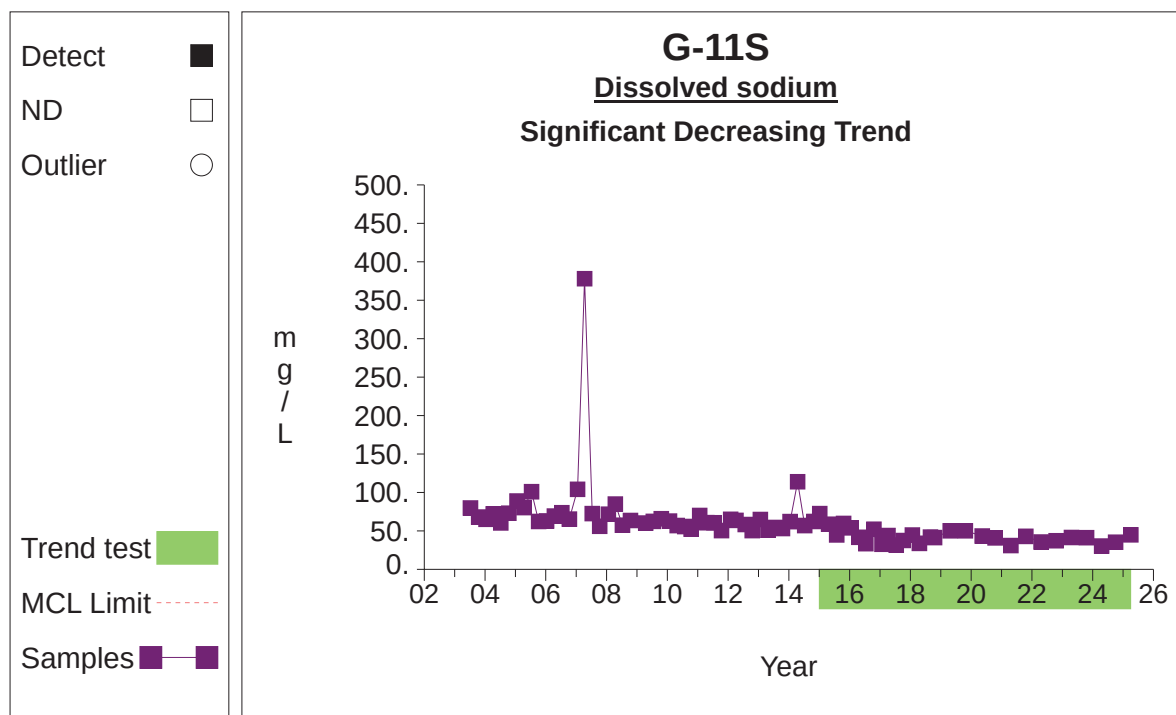
Prepared by: Snohomish County Solid Waste

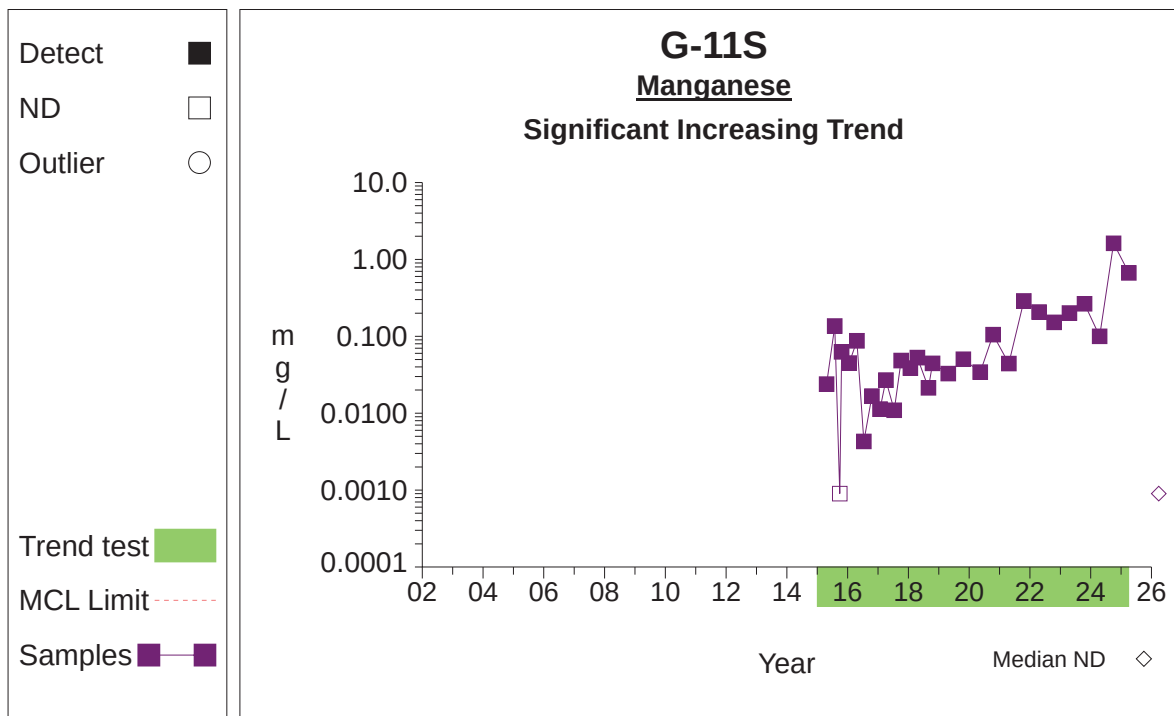
23

Time Series**Graph 192**

Prepared by: Snohomish County Solid Waste

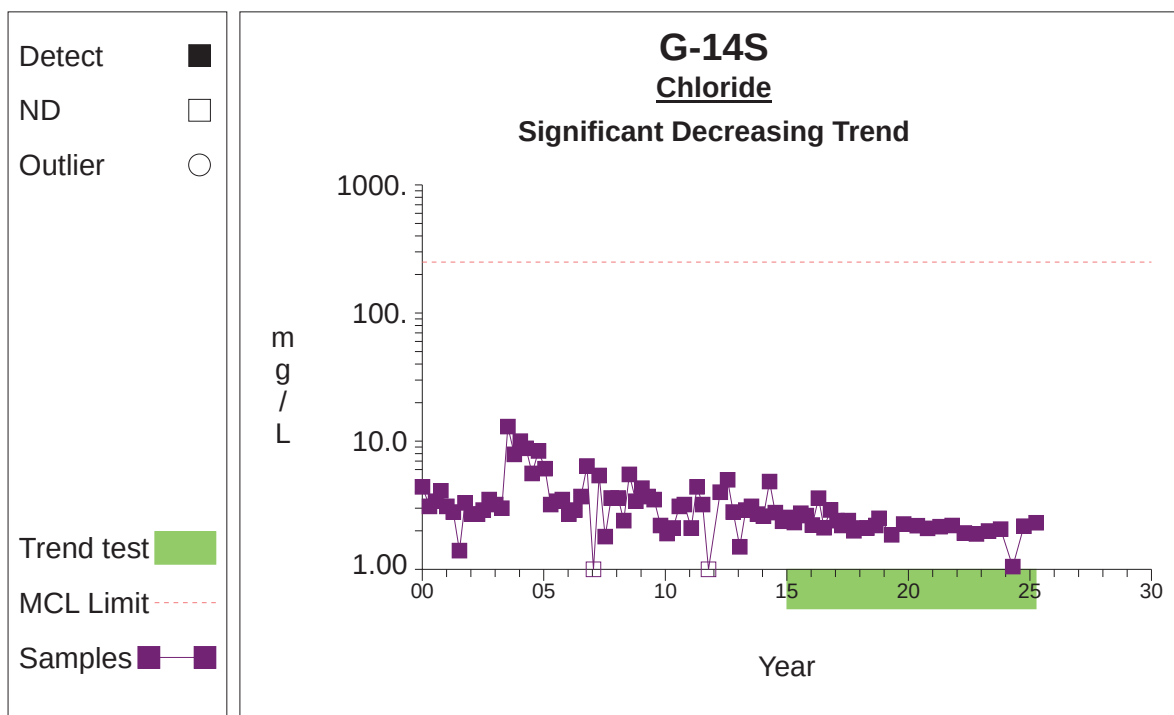
24

Time Series**Graph 193**Time Series**Graph 195**

Time Series**Graph 198**

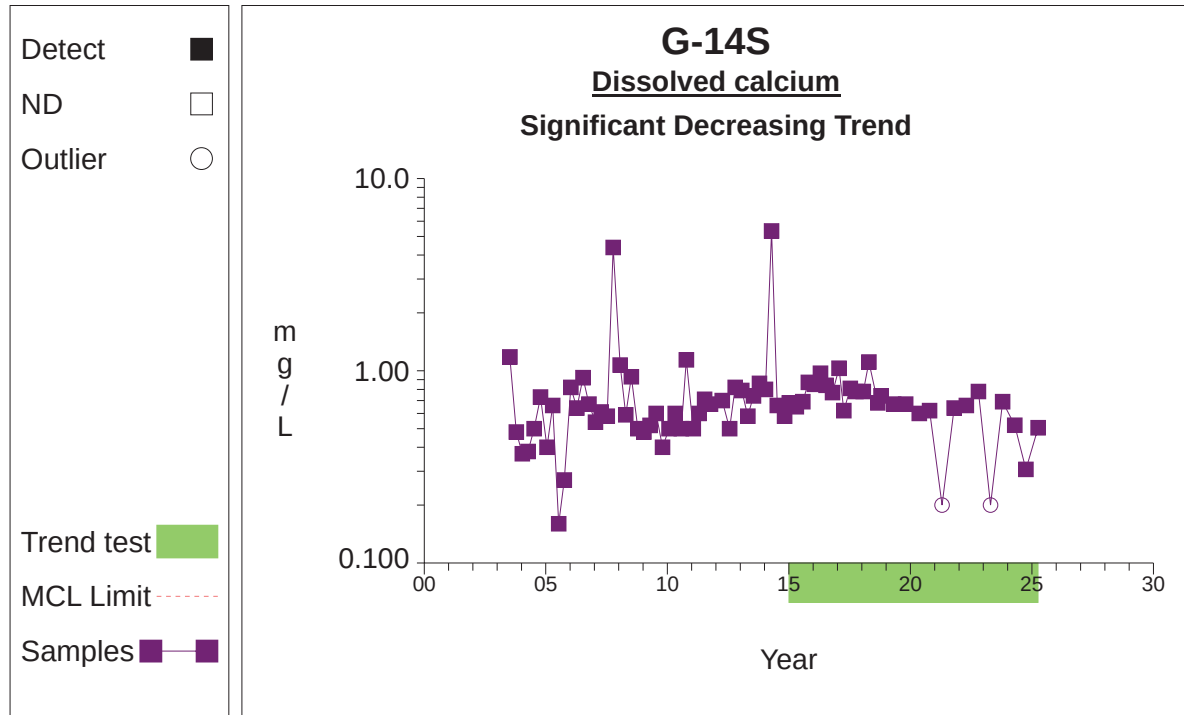
Prepared by: Snohomish County Solid Waste

27

Time Series**Graph 220**

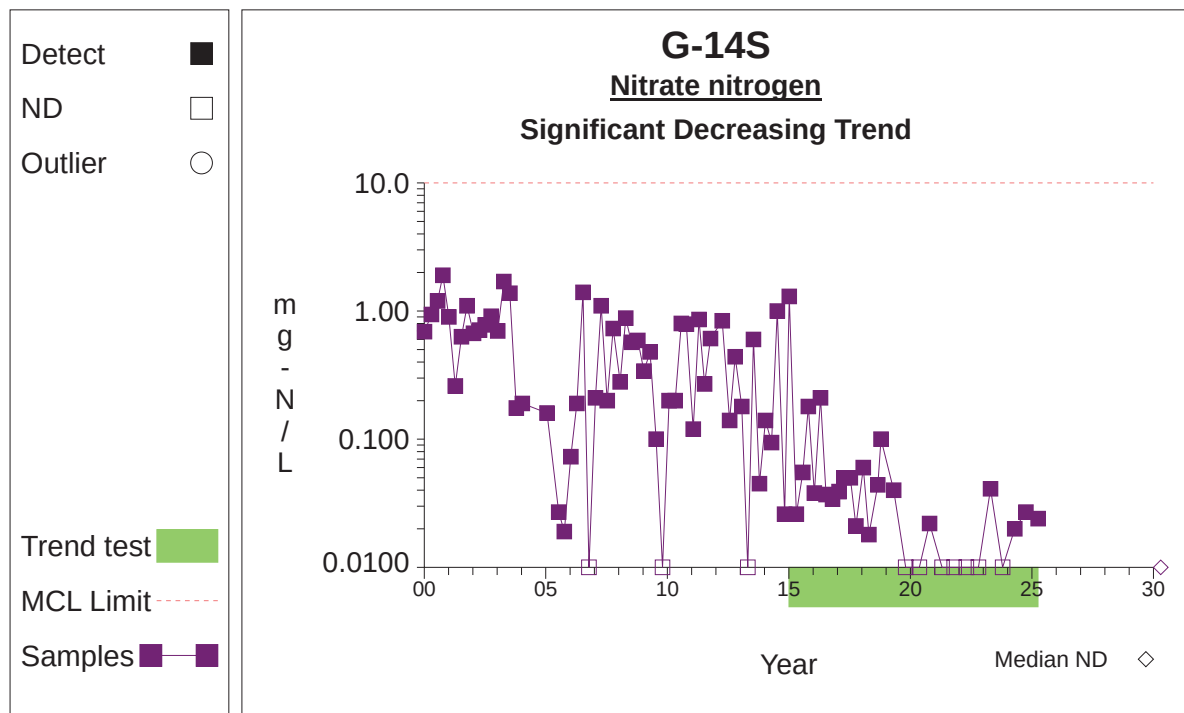
Prepared by: Snohomish County Solid Waste

28

Time Series**Graph 225**

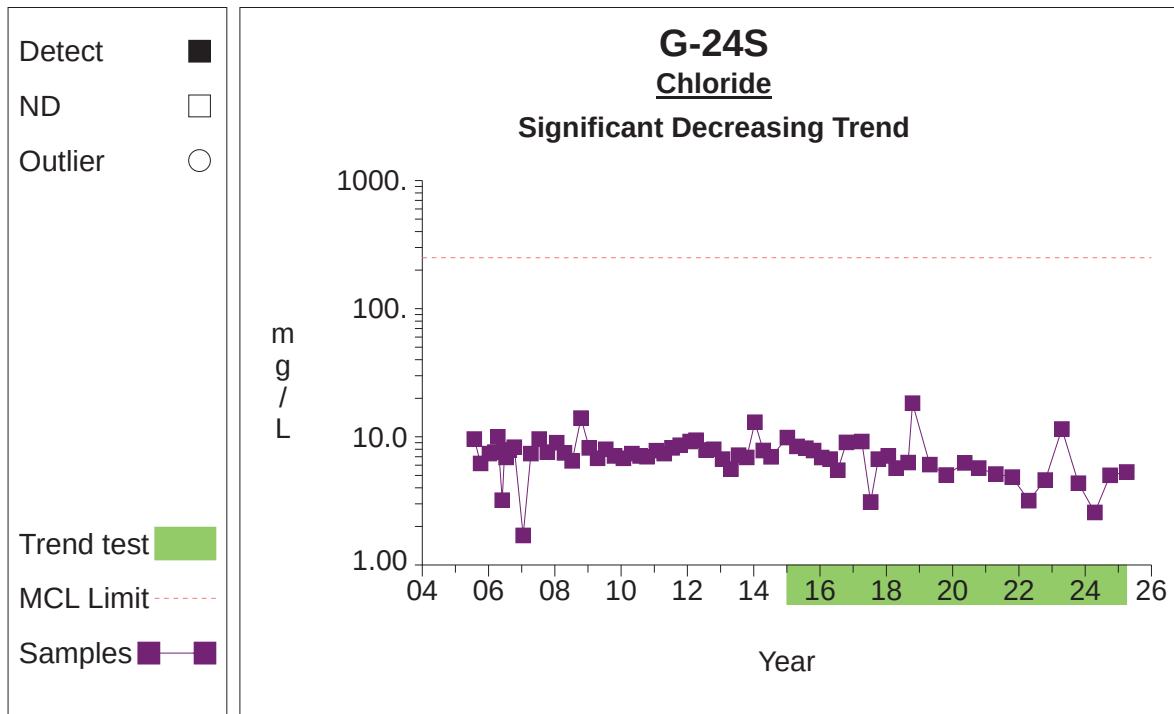
Prepared by: Snohomish County Solid Waste

29

Time Series**Graph 235**

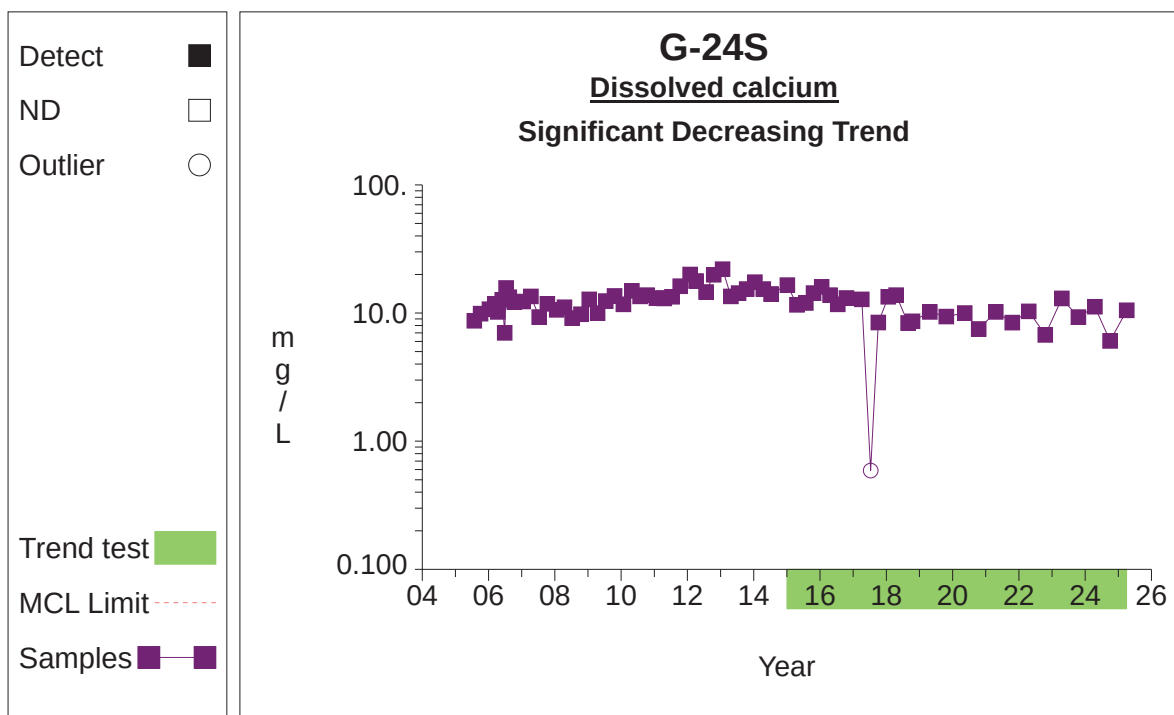
Prepared by: Snohomish County Solid Waste

30

Time Series**Graph 255**

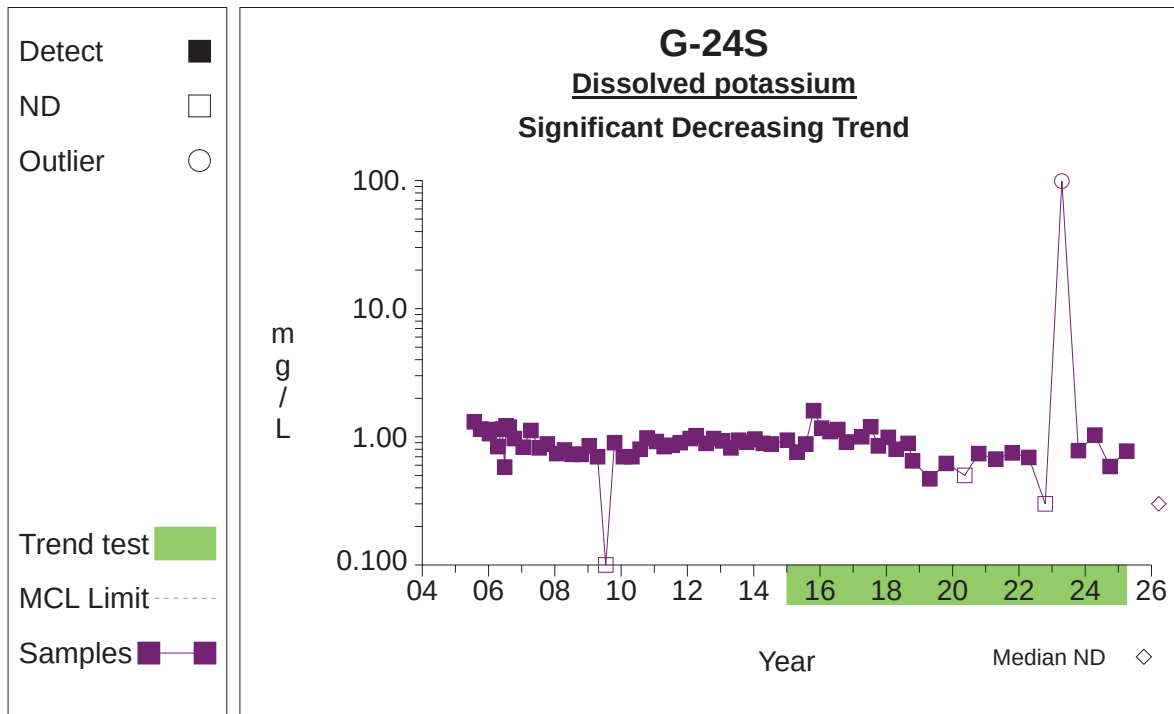
Prepared by: Snohomish County Solid Waste

31

Time Series**Graph 260**

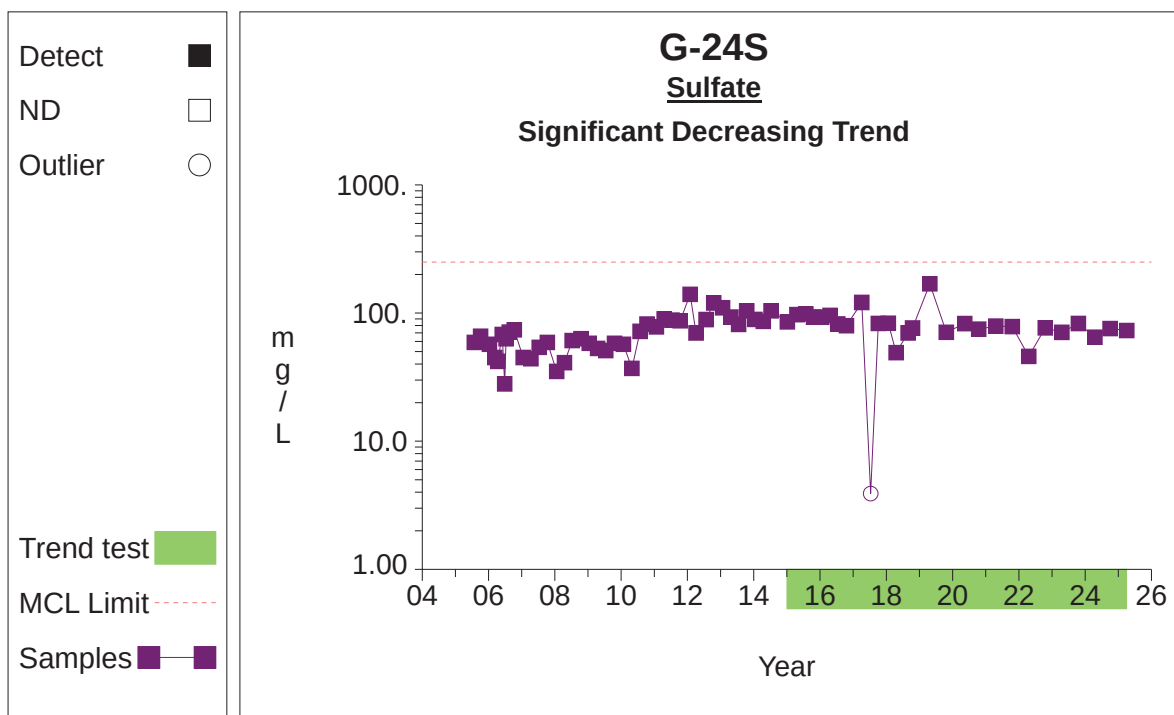
Prepared by: Snohomish County Solid Waste

32

Time Series**Graph 264**

Prepared by: Snohomish County Solid Waste

33

Time Series**Graph 275**

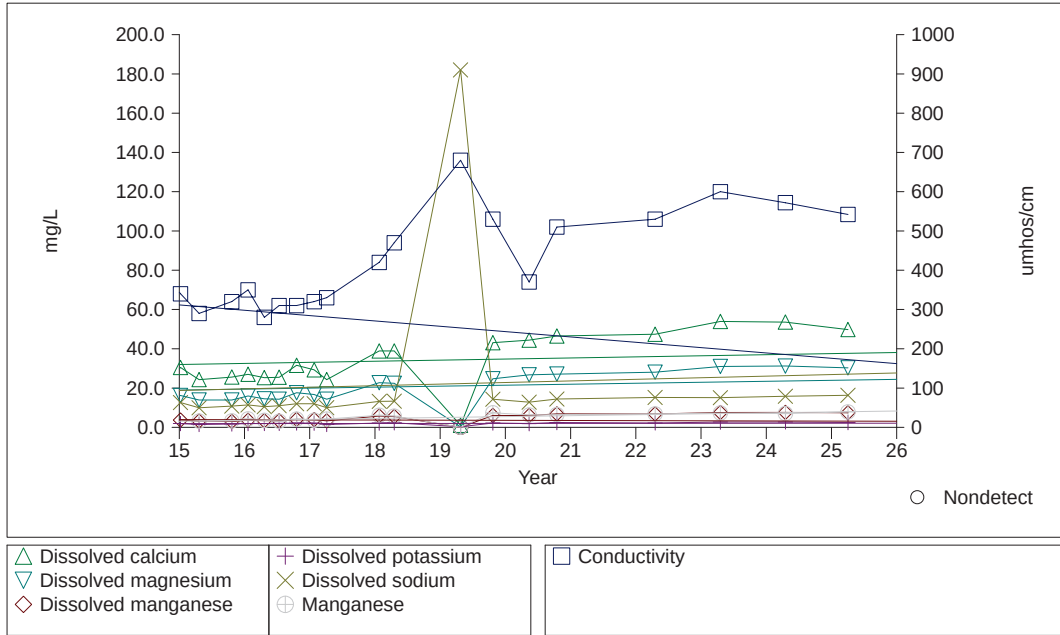
Prepared by: Snohomish County Solid Waste

34



### Cathcart Landfill

Time Series Plot for G-04A

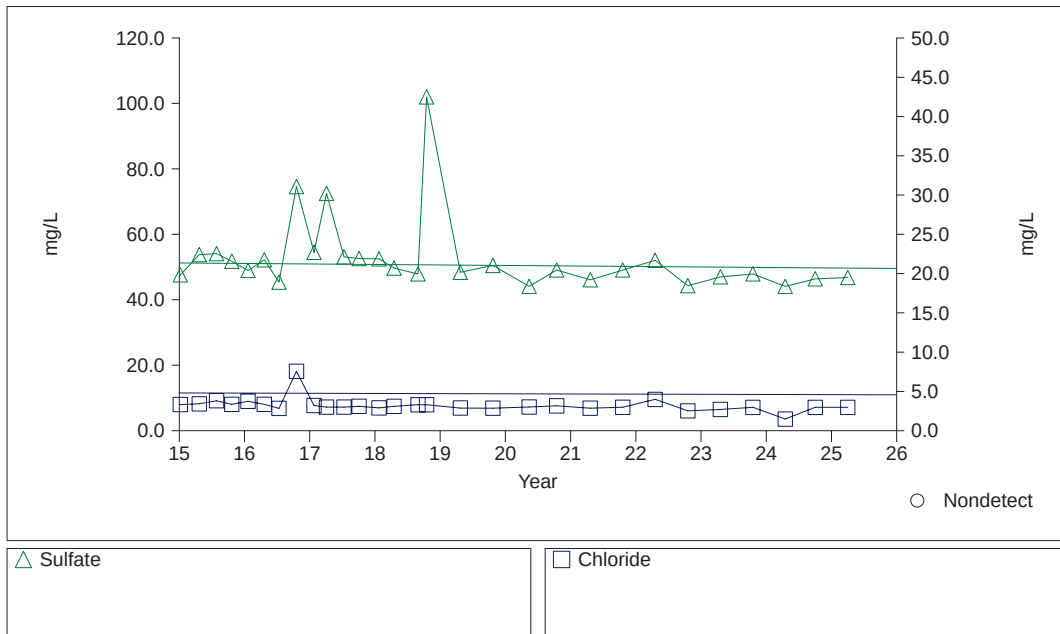


1

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### Cathcart Landfill

Time Series Plot for G-08D1

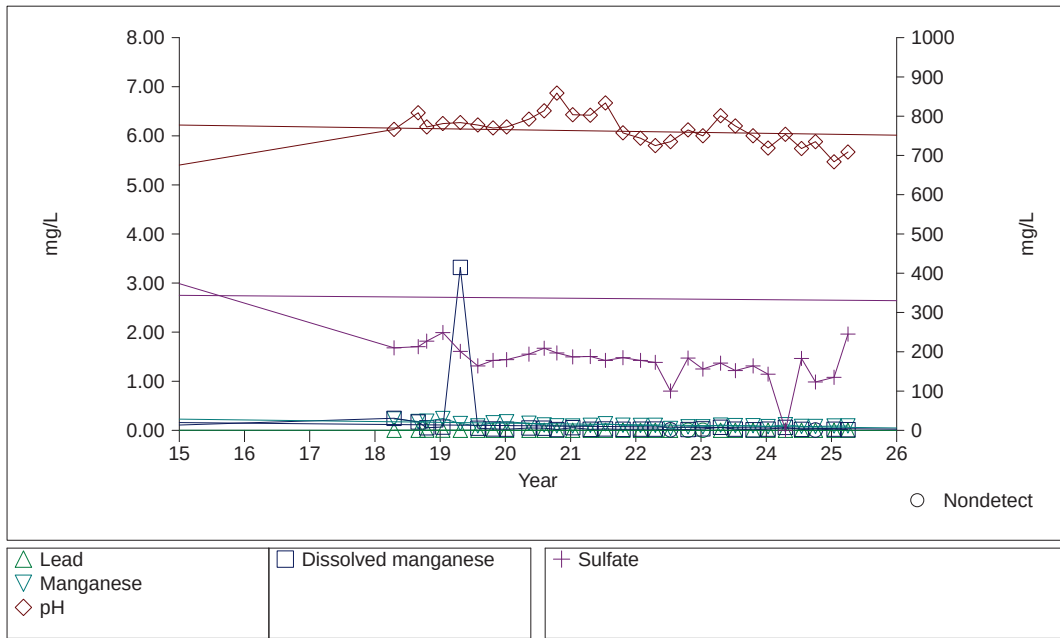


1

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### Cathcart Landfill

Time Series Plot for G-09S

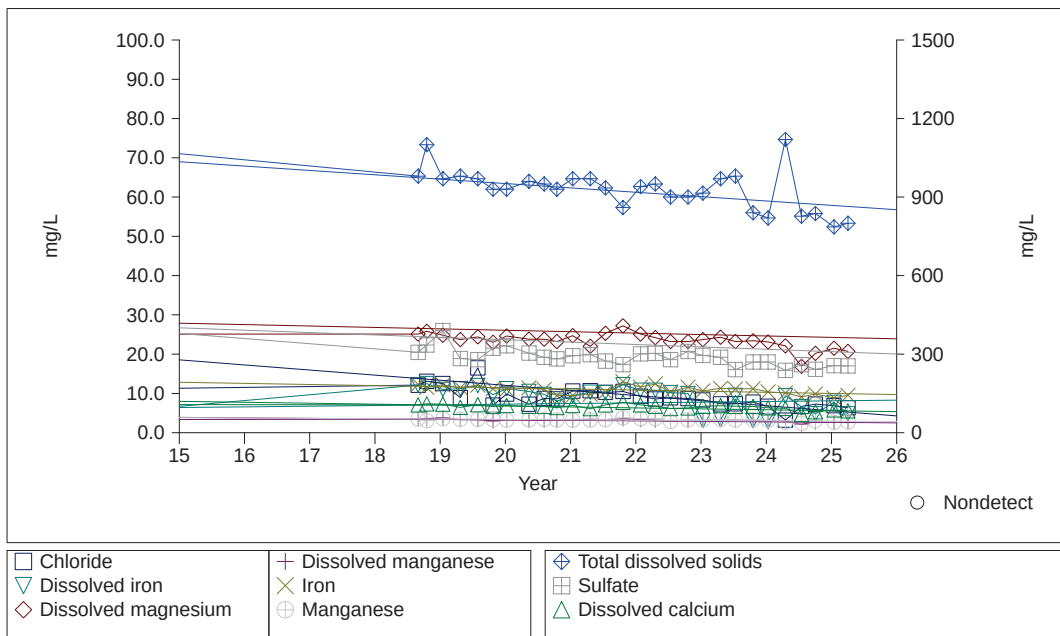


1

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### Cathcart Landfill

Time Series Plot for G-10S

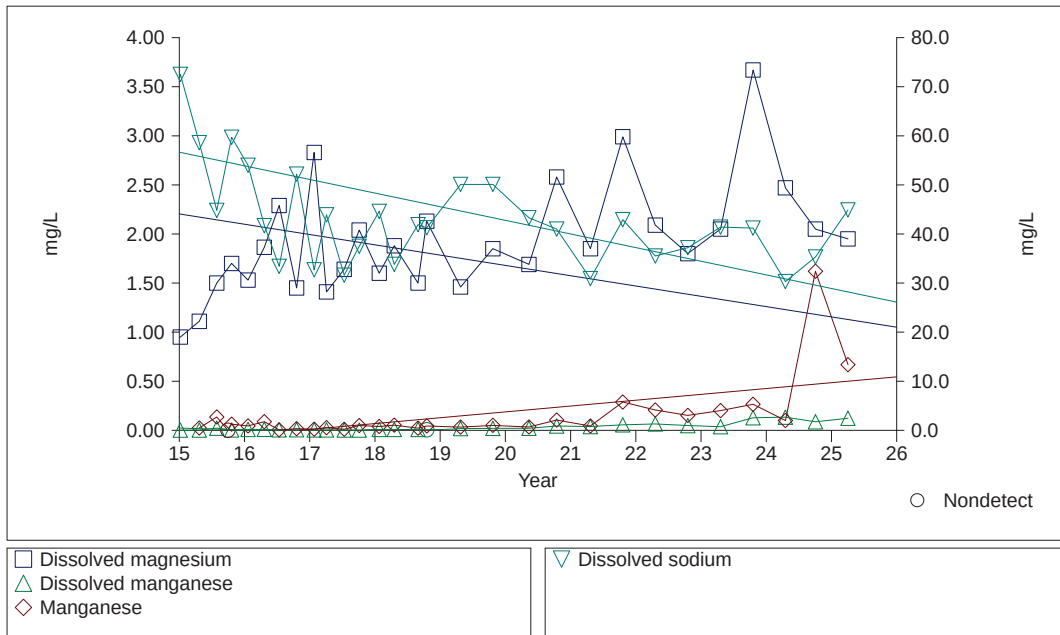


1

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### Cathcart Landfill

Time Series Plot for G-11S

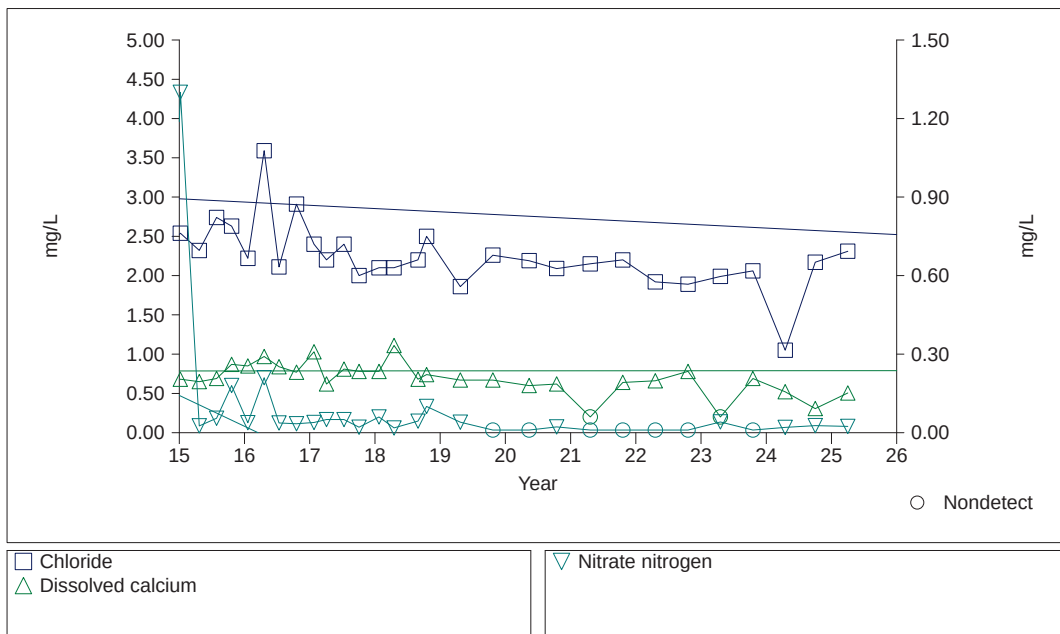


1

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### Cathcart Landfill

Time Series Plot for G-14S

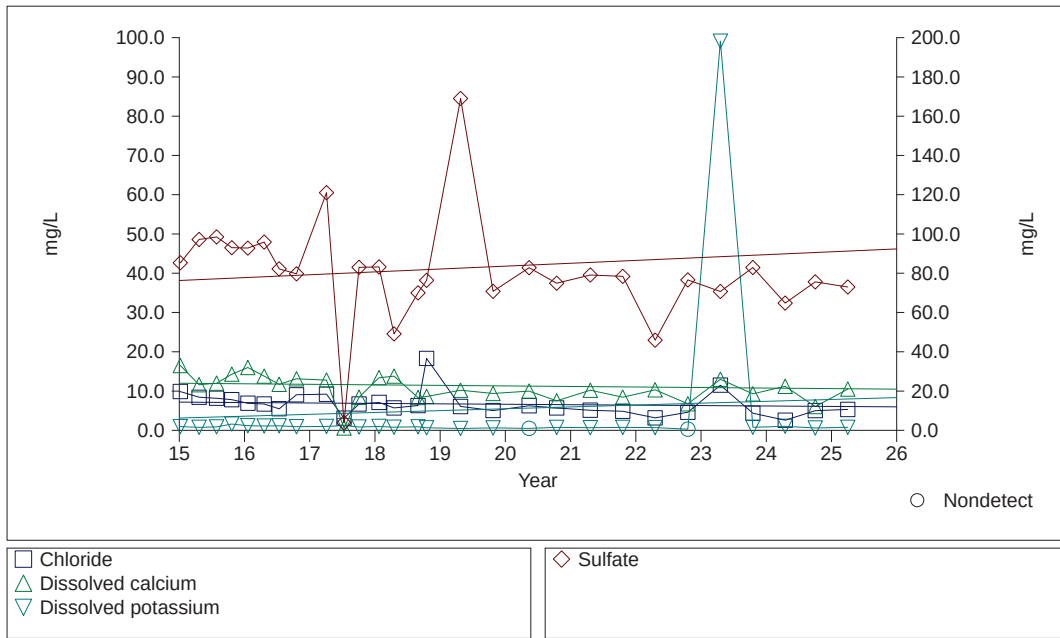


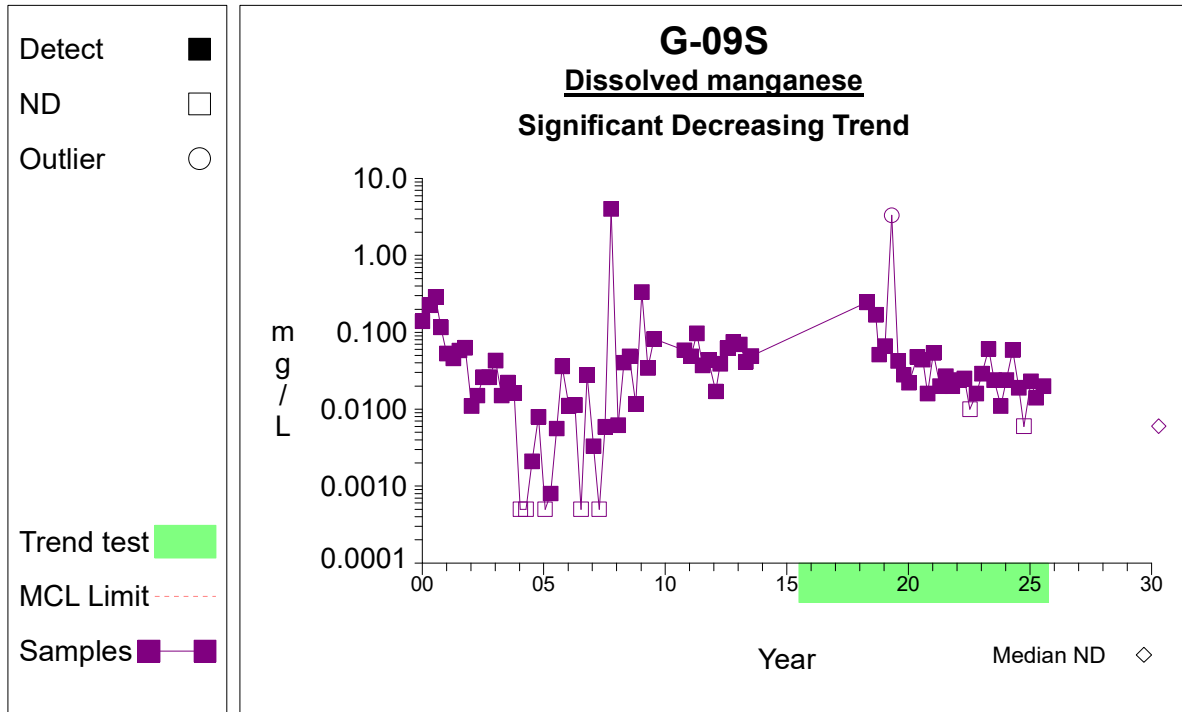
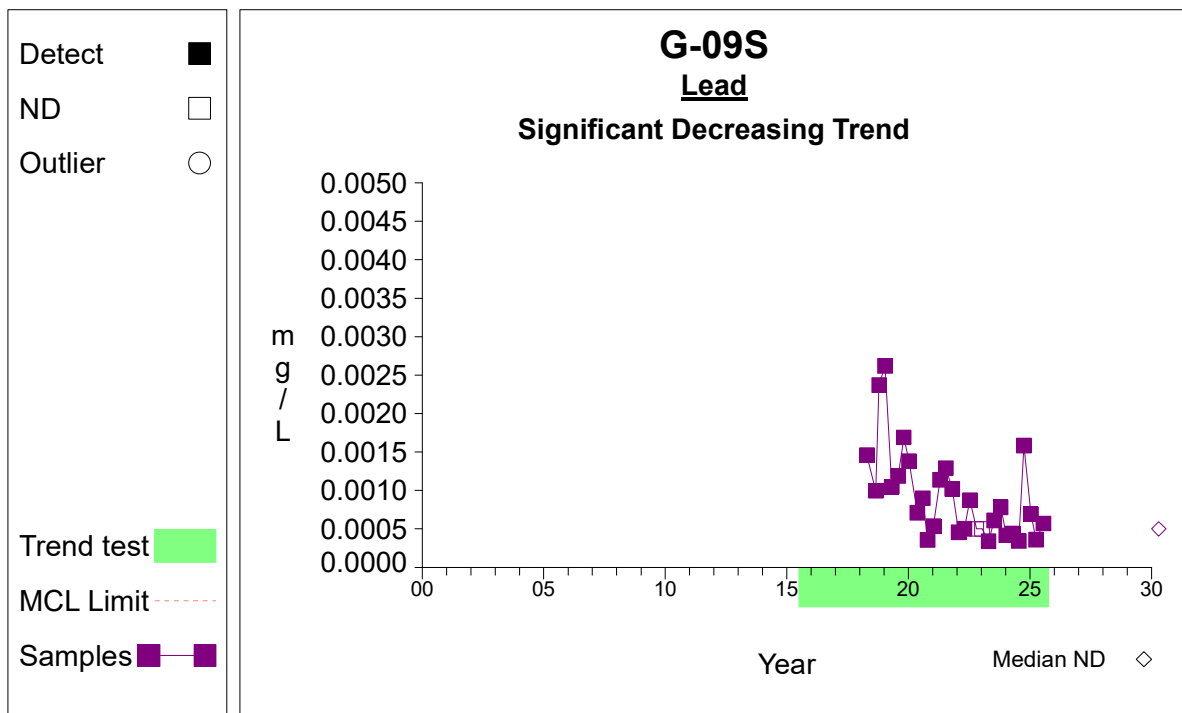
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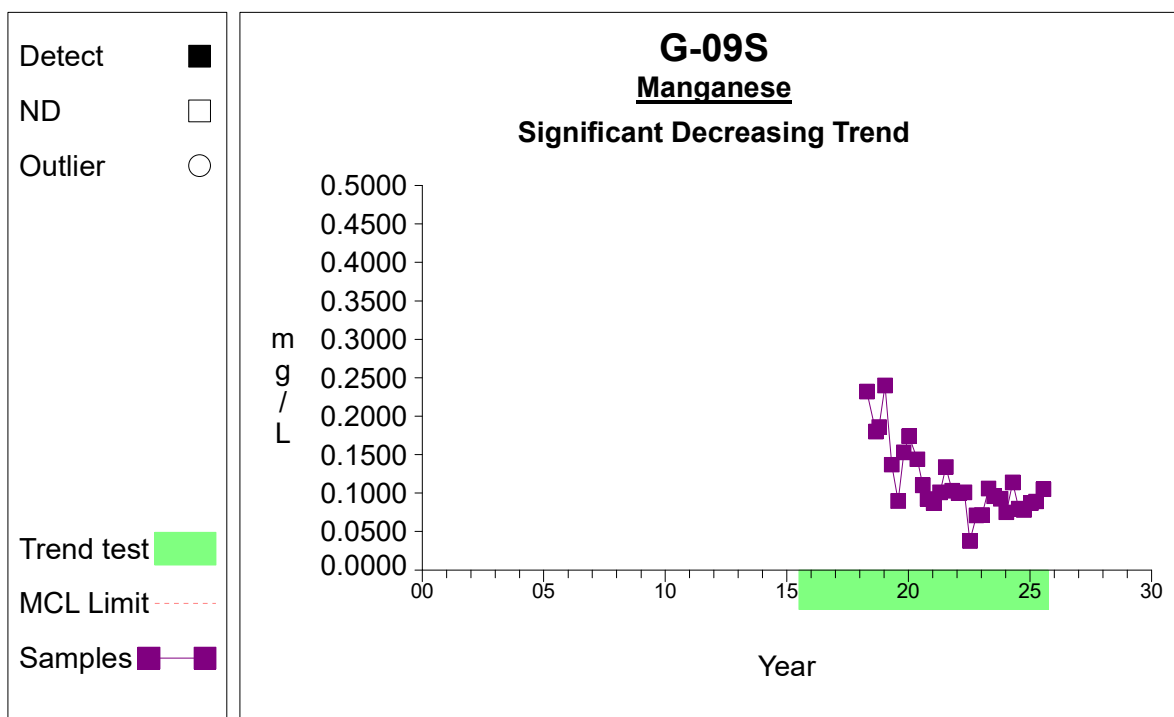
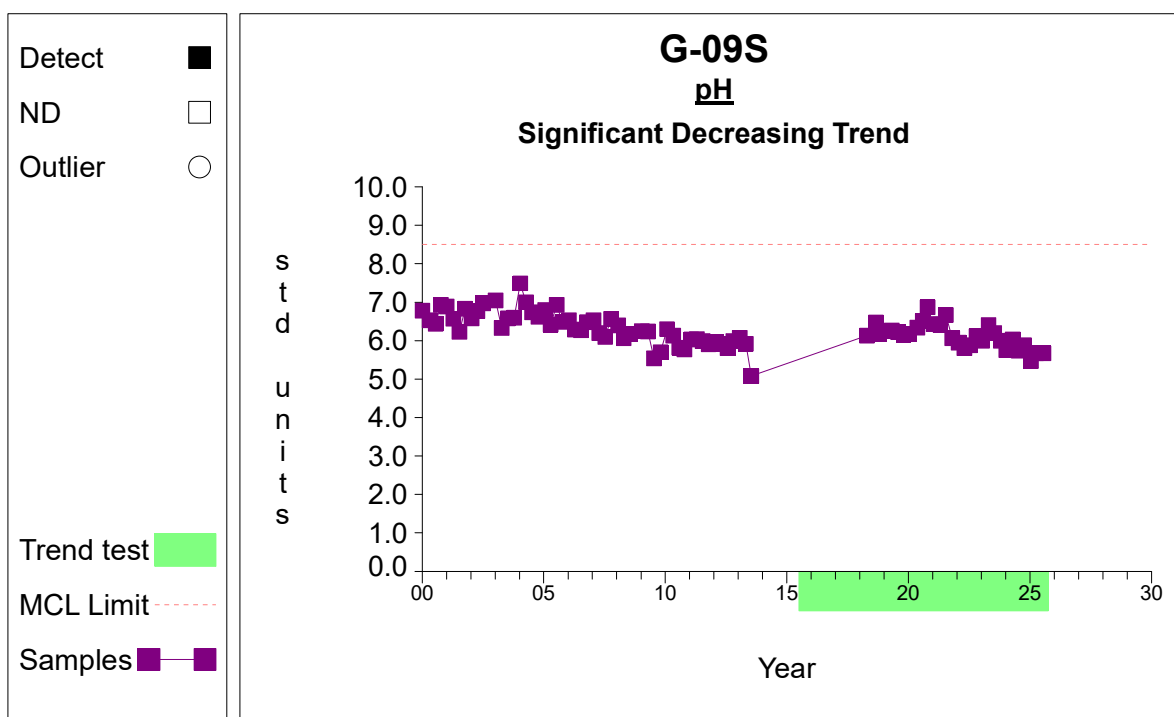
Prepared by: Snohomish County Solid Waste

# Cathcart Landfill

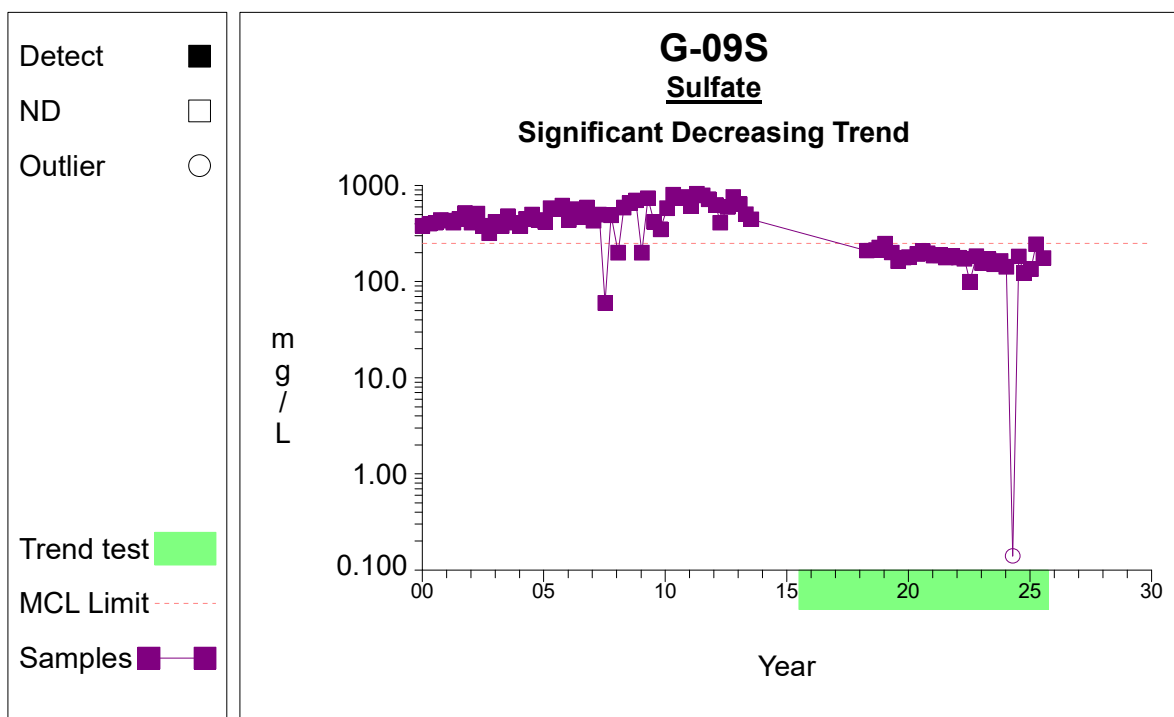
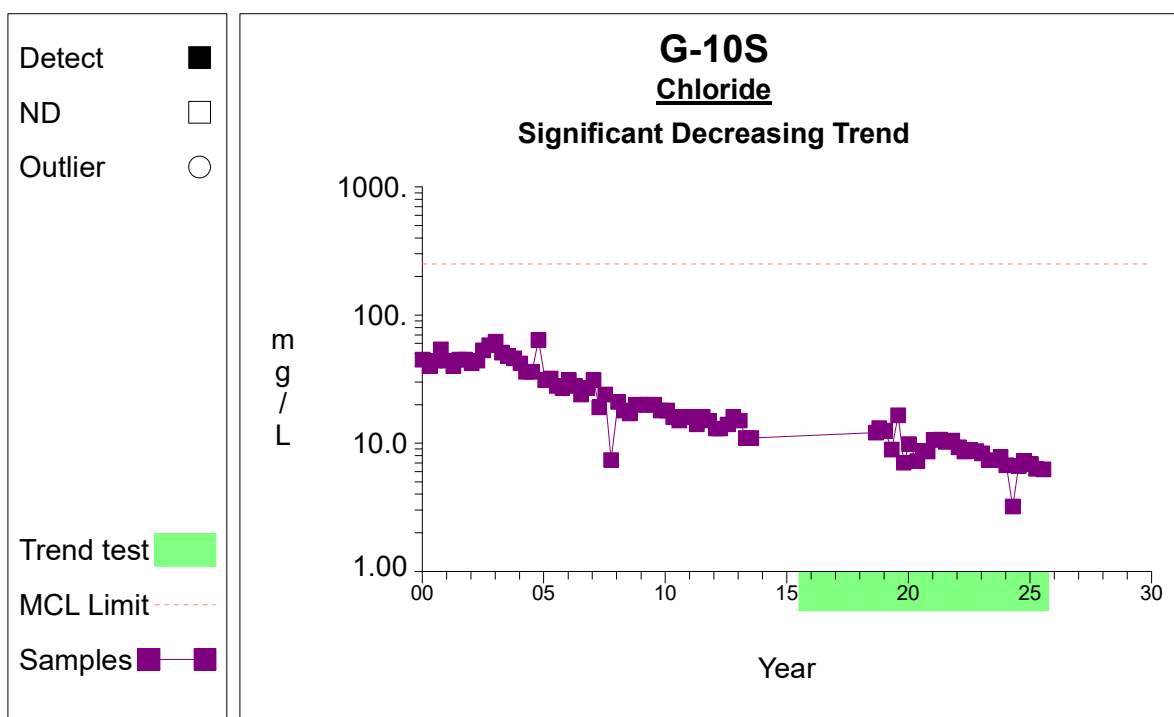
Time Series Plot for G-24S

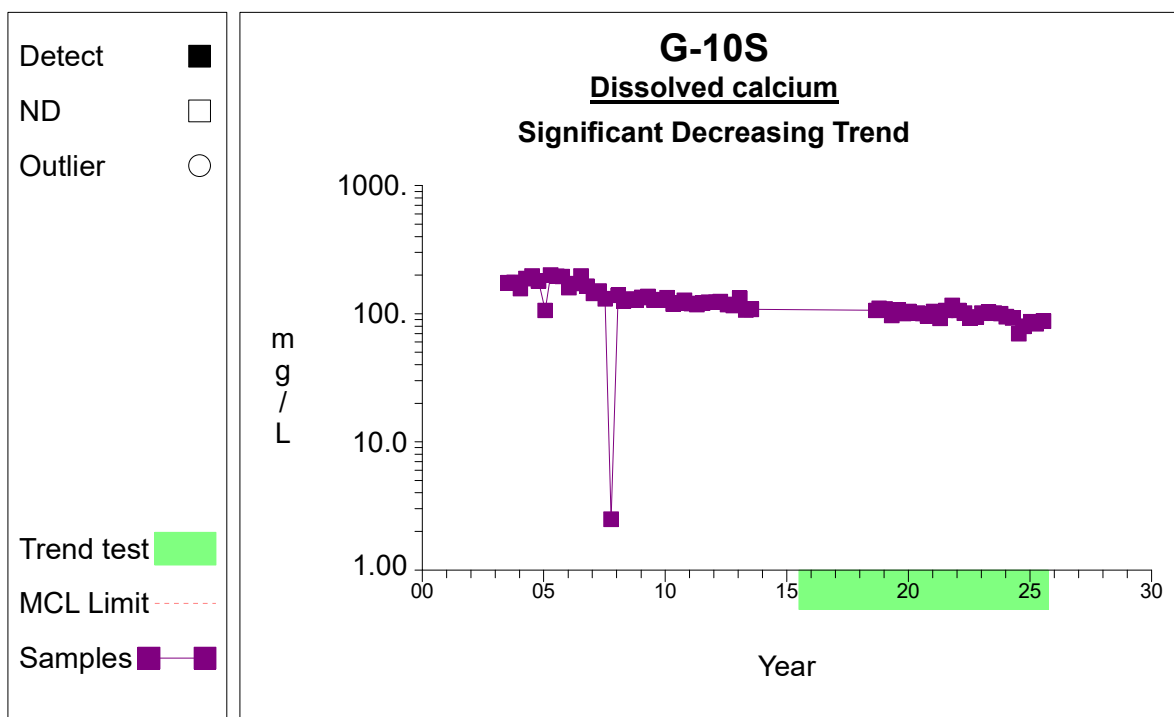
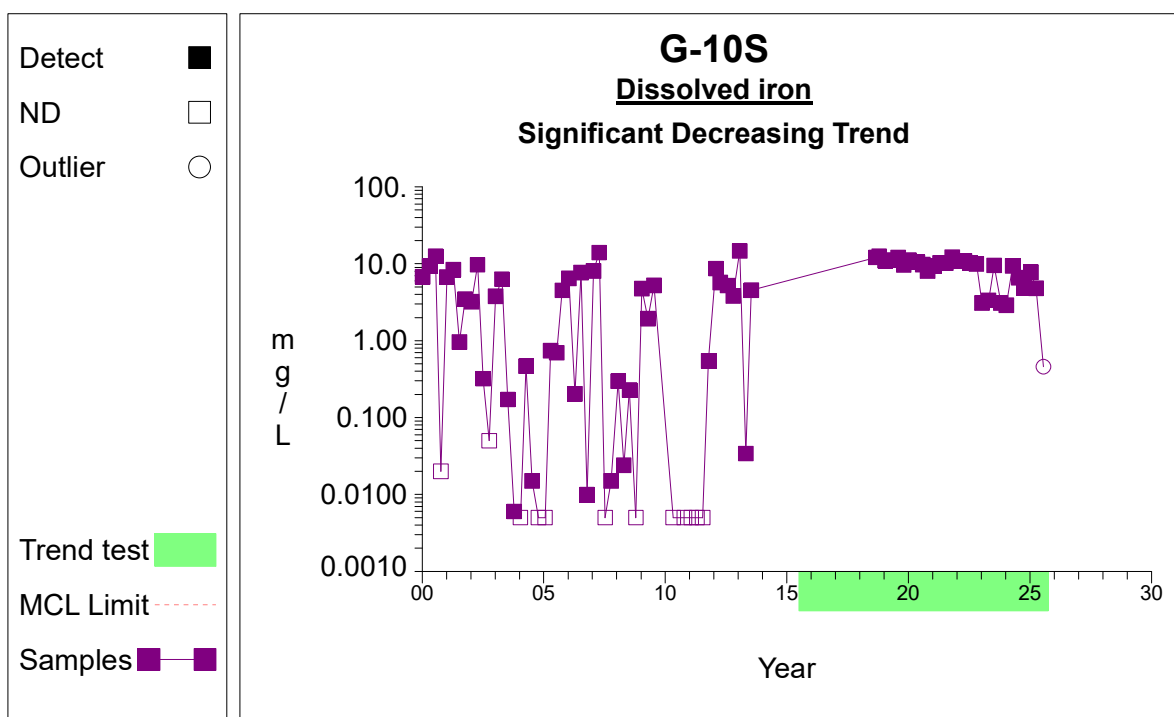


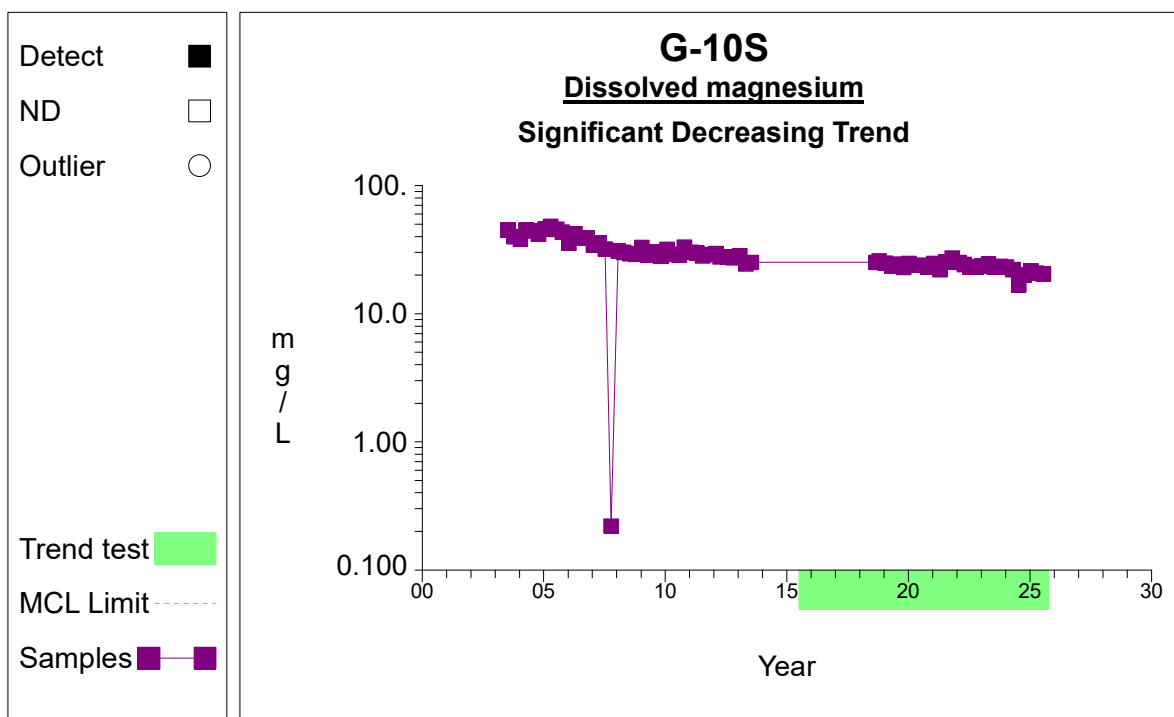
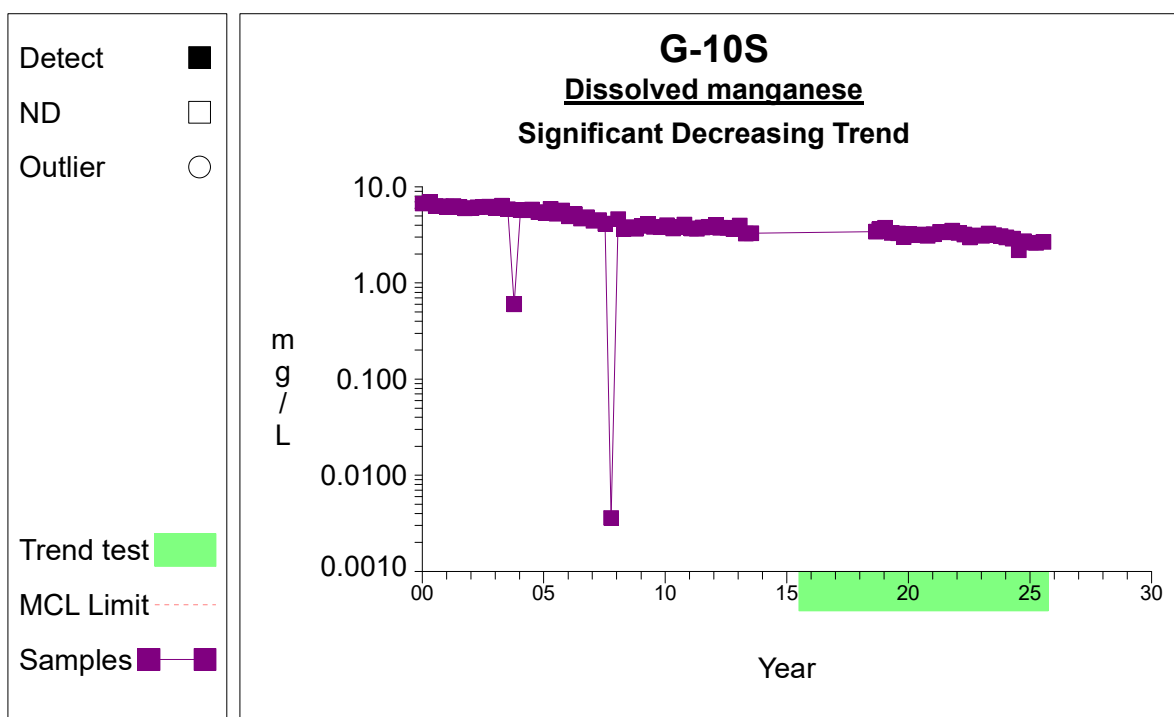
Time Series**Graph 123**Time Series**Graph 127**

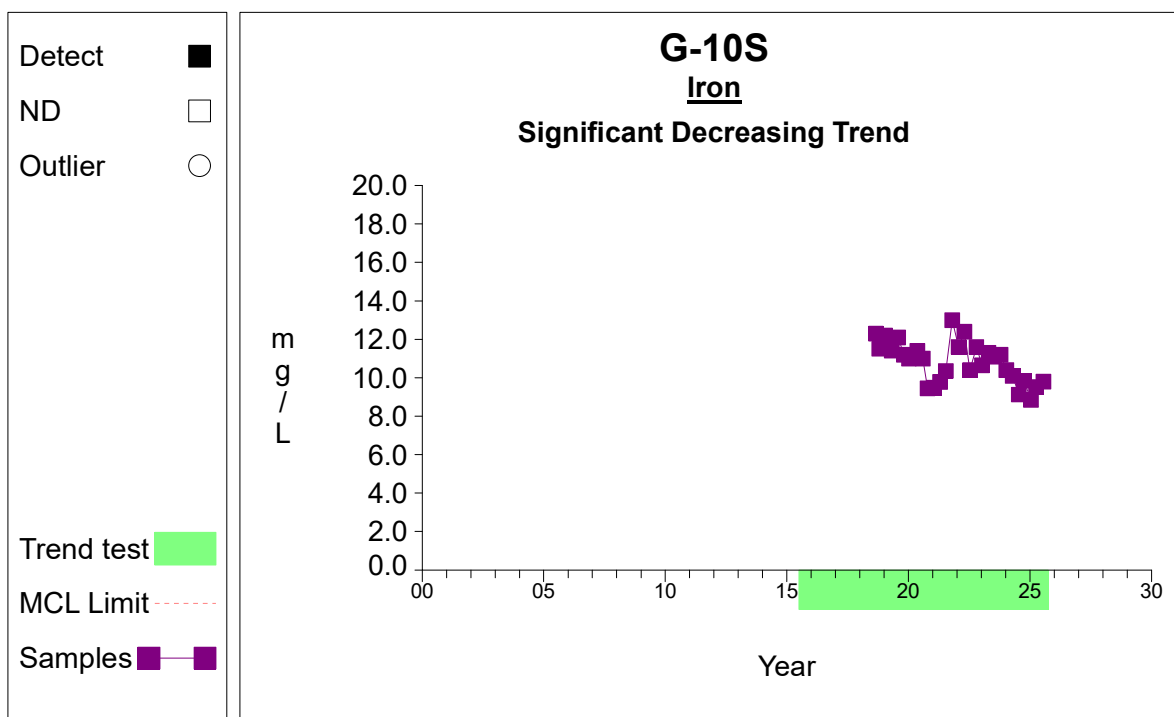
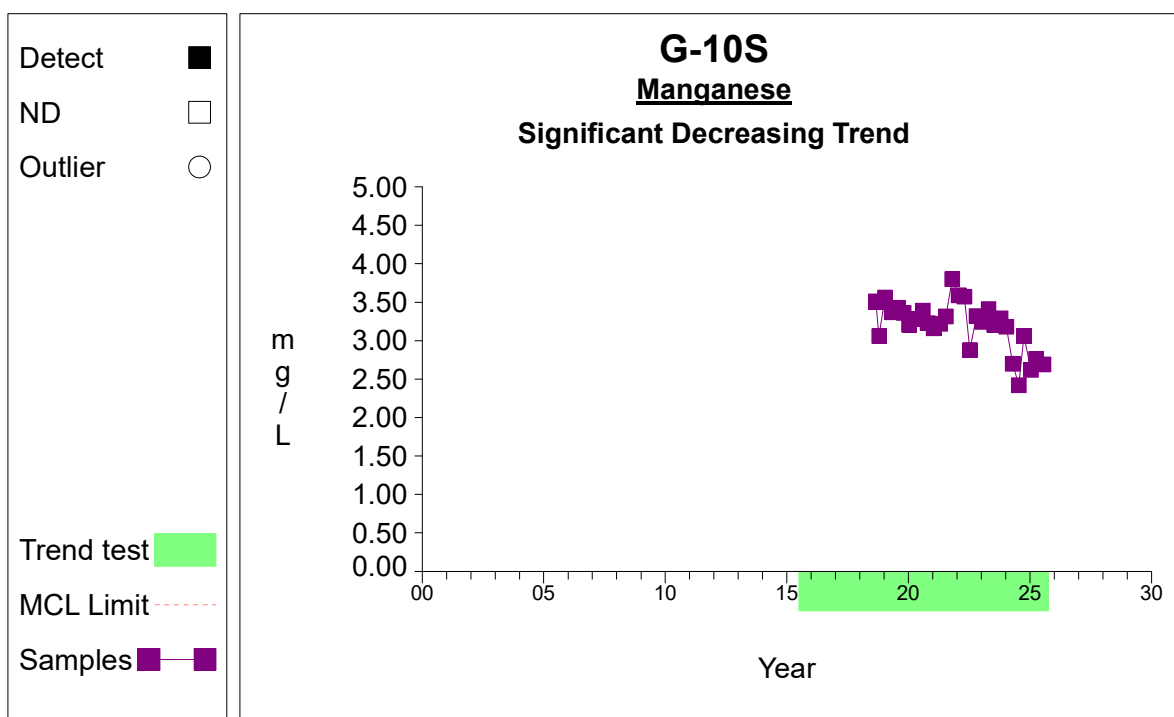
Time Series**Graph 128**Time Series**Graph 132**

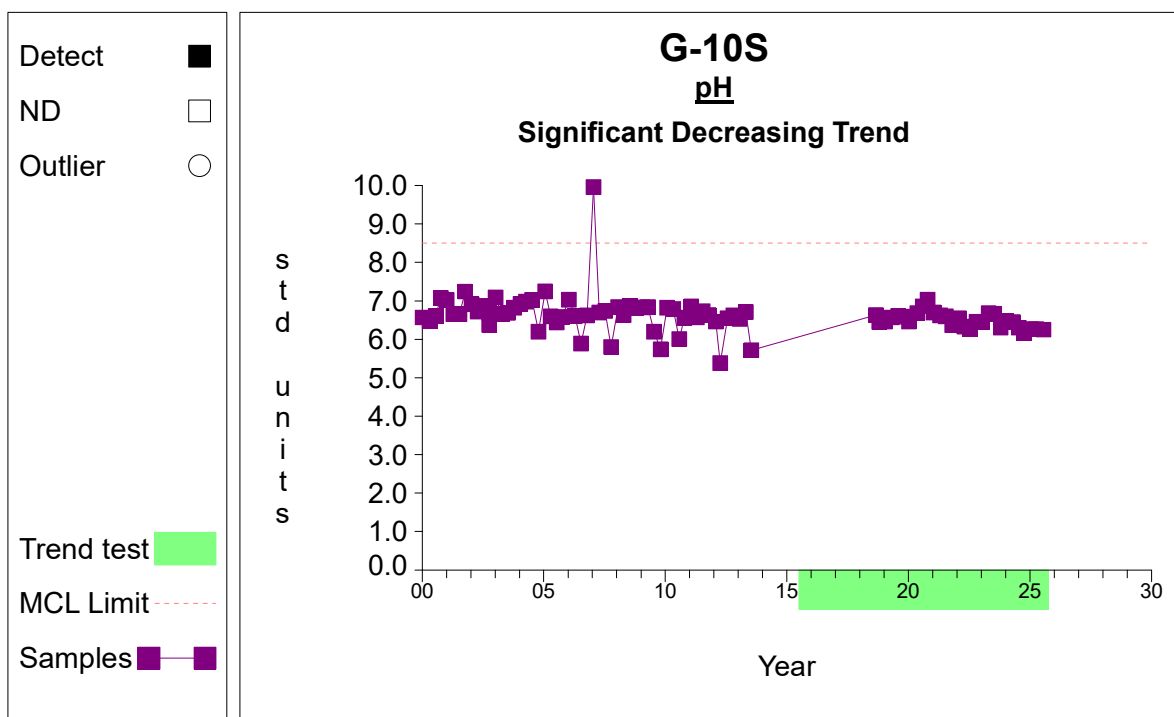
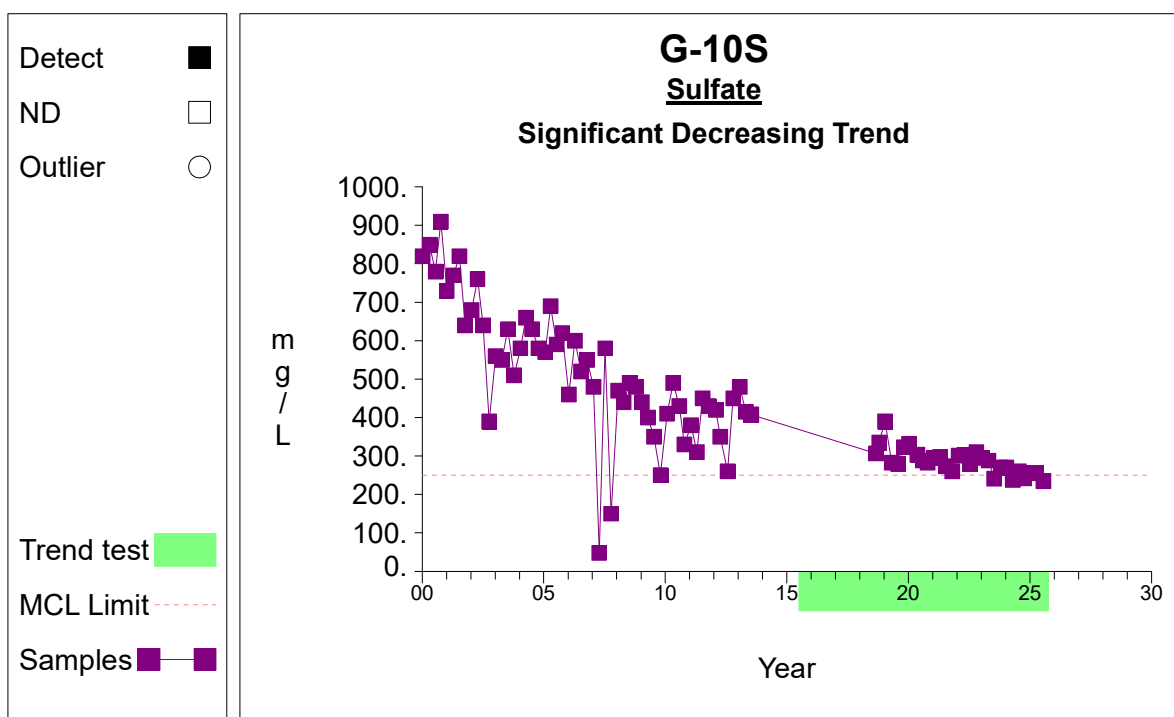


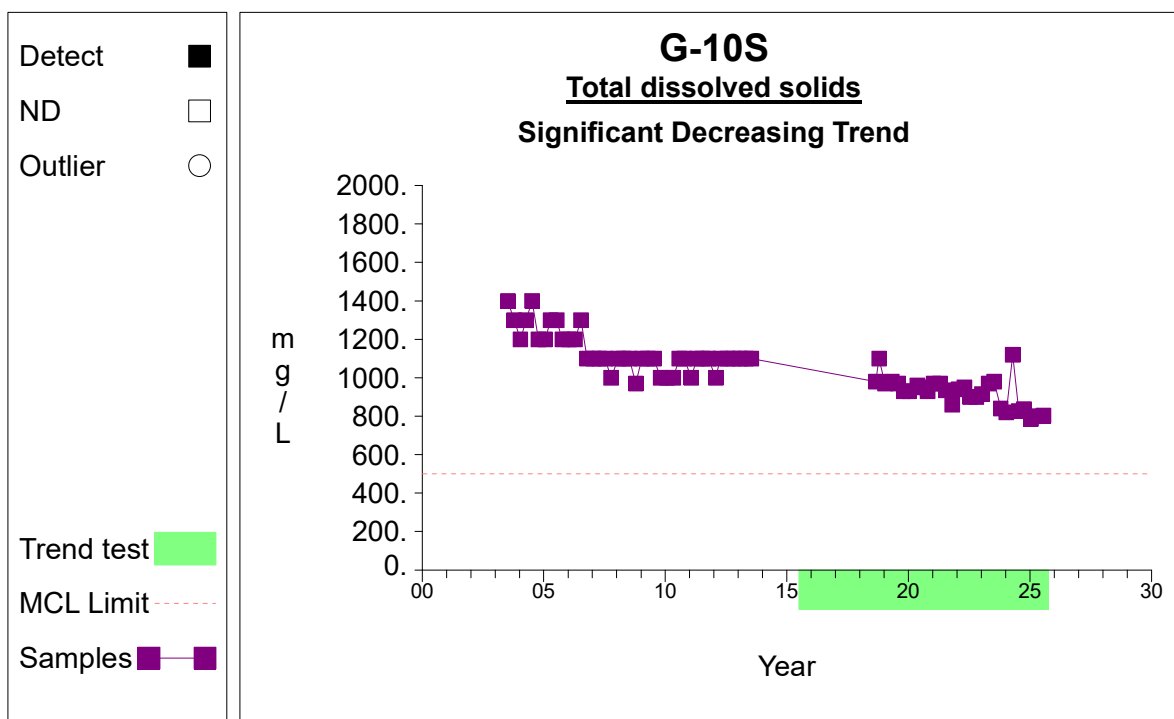
Time Series**Graph 135**Time Series**Graph 150**

Time Series**Graph 155**Time Series**Graph 156**

Time Series**Graph 157**Time Series**Graph 158**

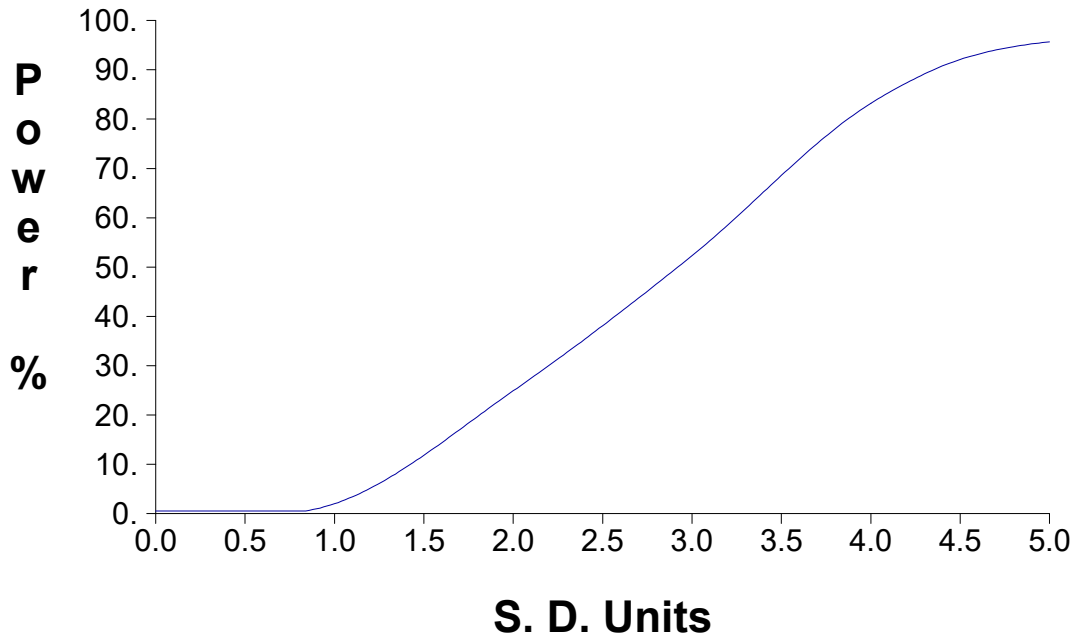
Time Series**Graph 161**Time Series**Graph 163**

Time Series**Graph 167**Time Series**Graph 170**

Time Series**Graph 172**



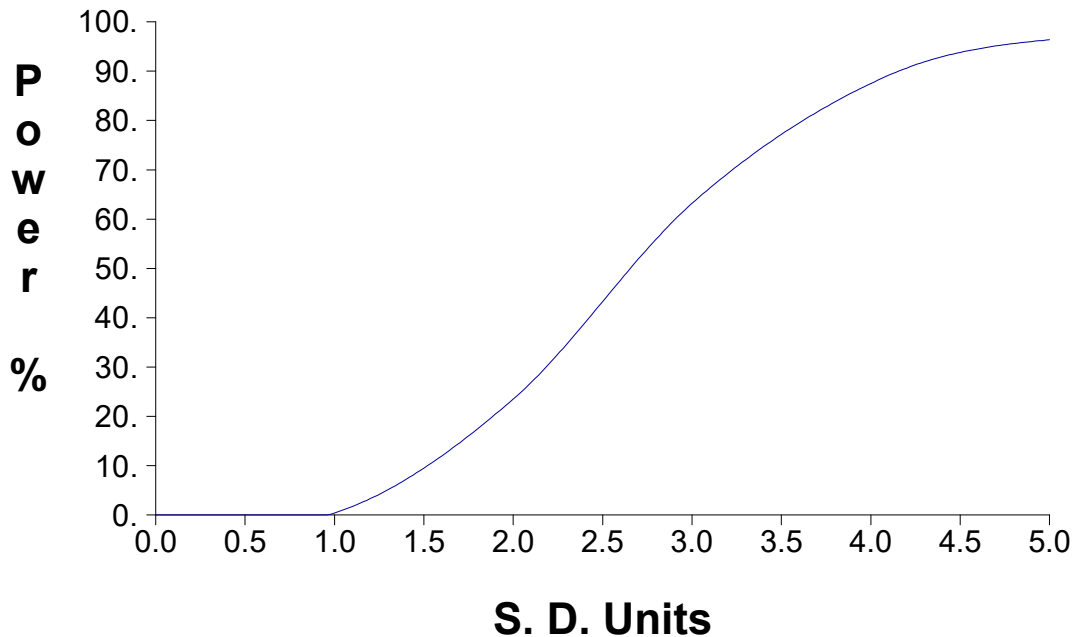
## False Positive and False Negative Rates for Current Intra-Well Prediction Limits Monitoring Program



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1

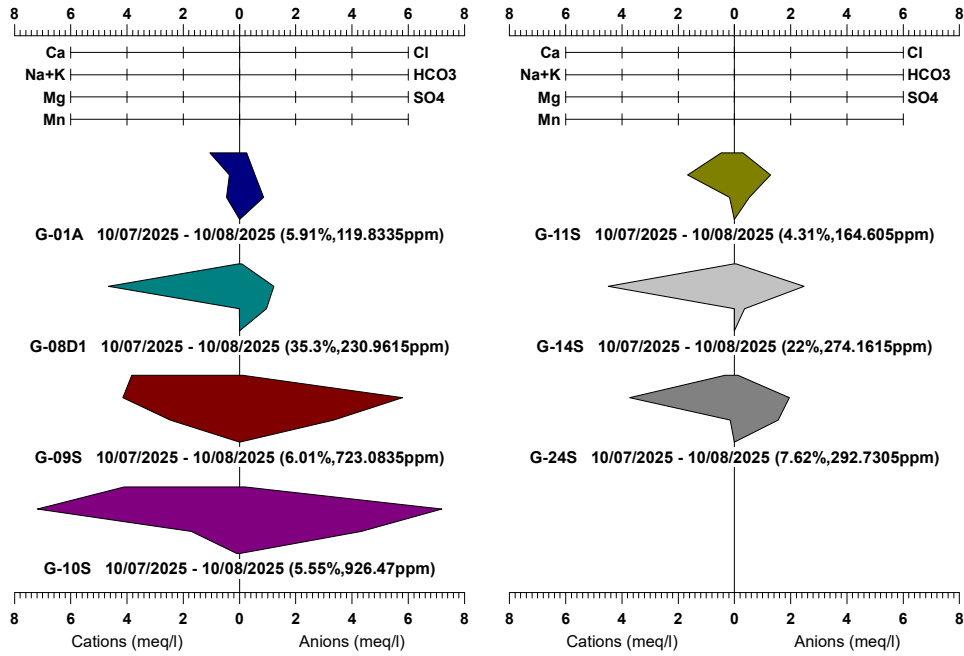
## False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program



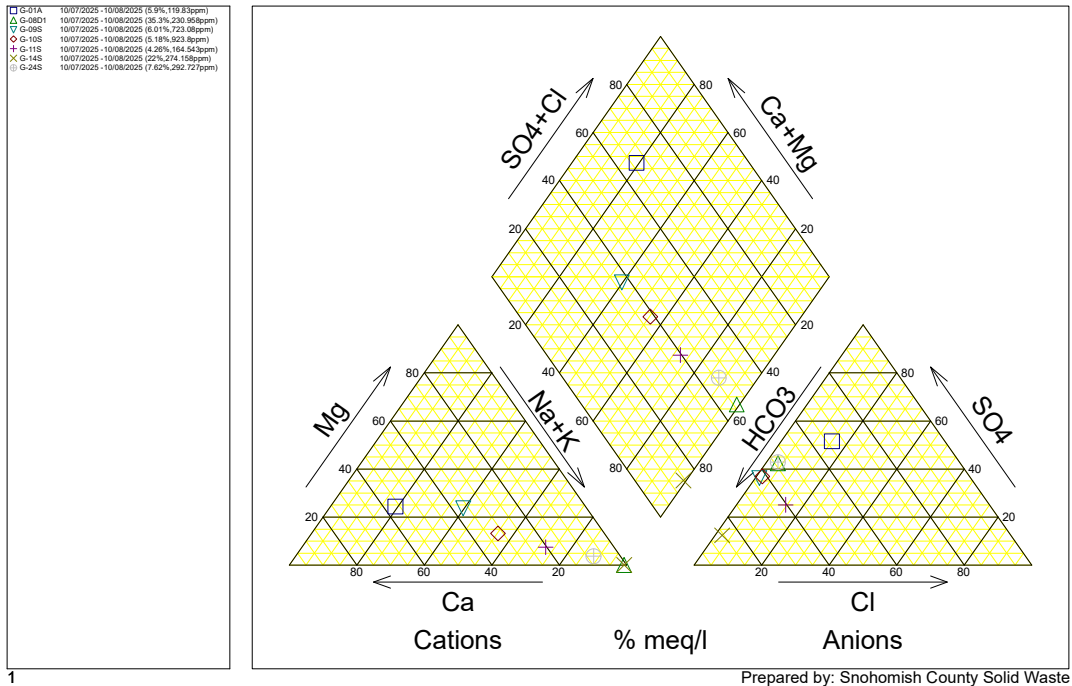
Prepared by: Snohomish County Solid Waste

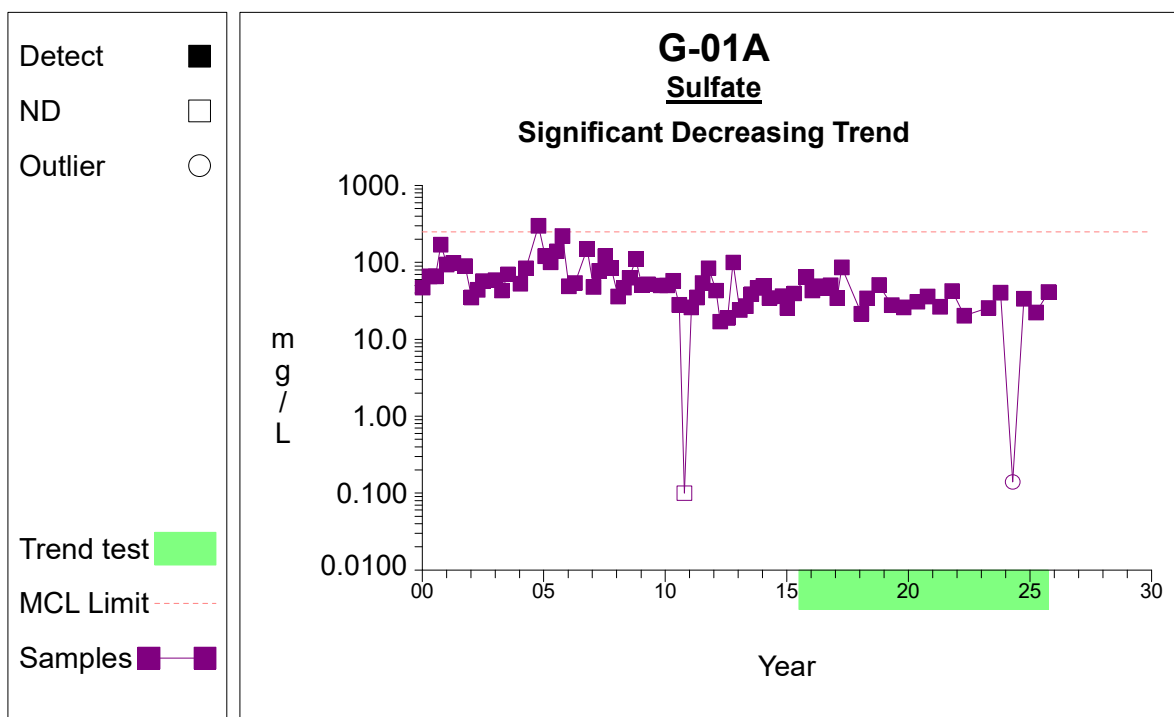
1

### Cathcart Landfill



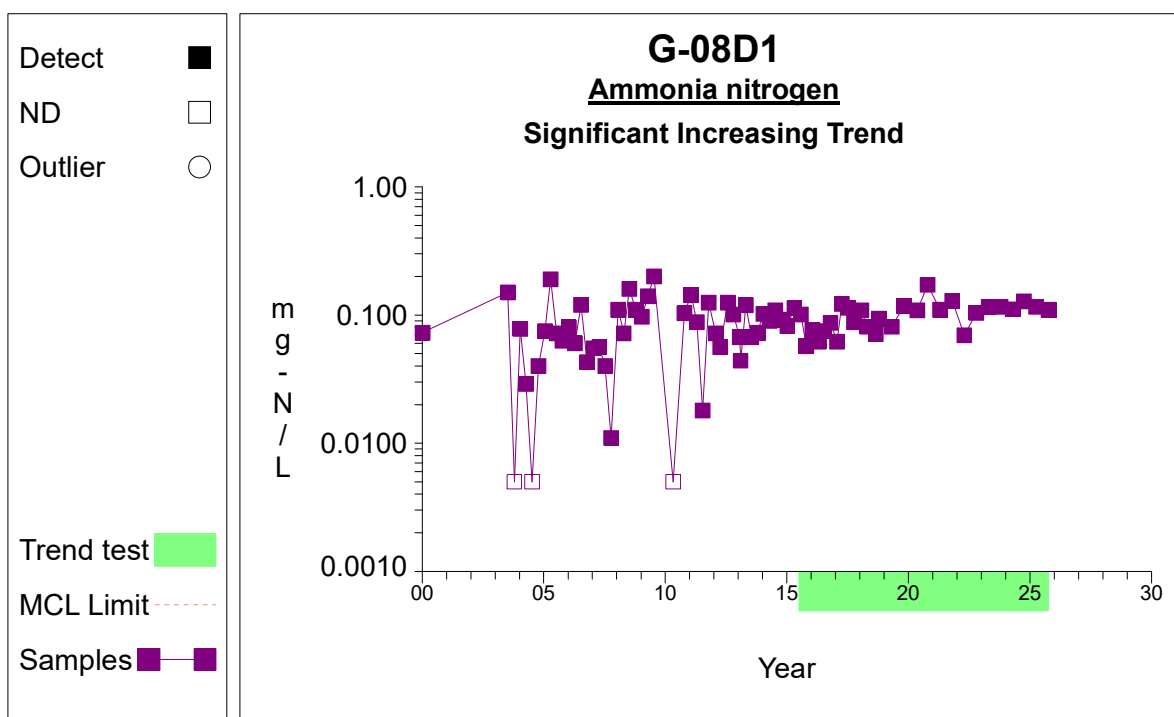
### Cathcart Landfill



Time Series**Graph 30**

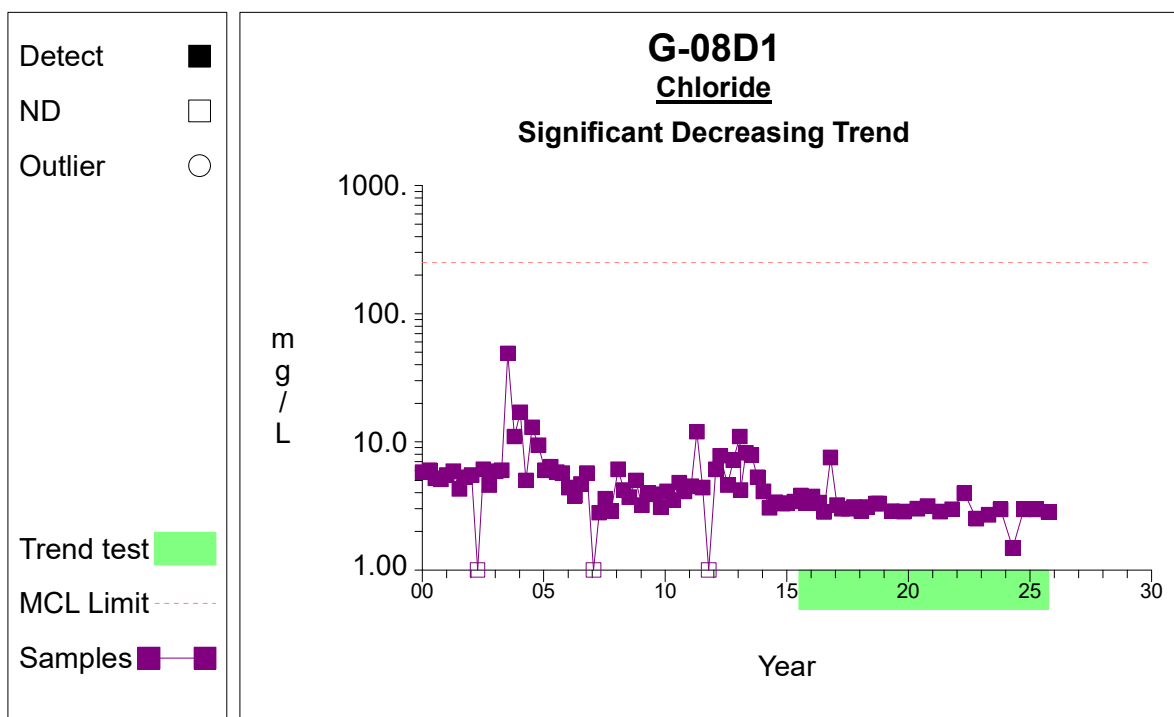
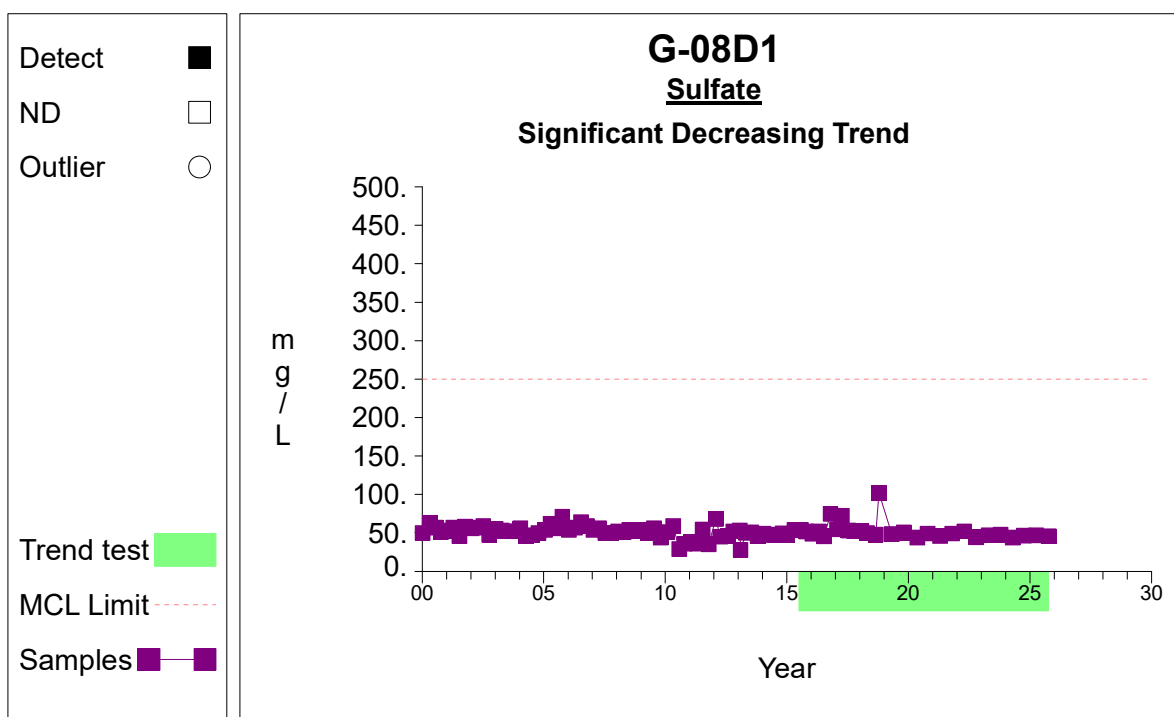
Prepared by: Snohomish County Solid Waste

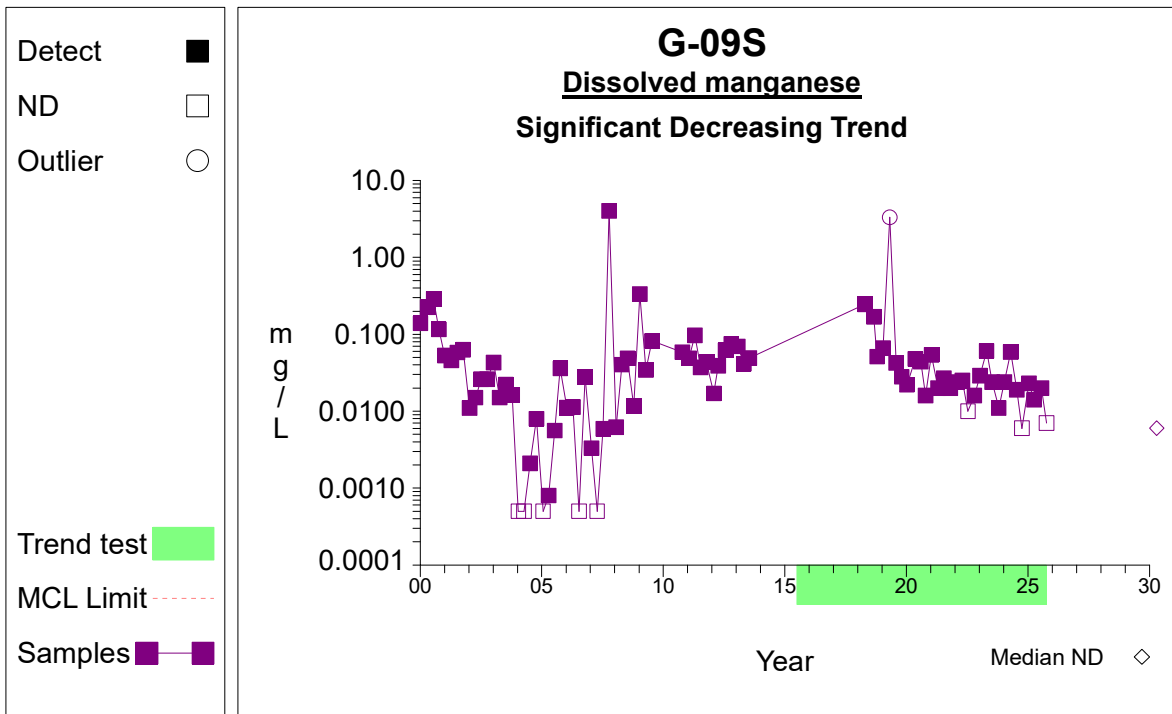
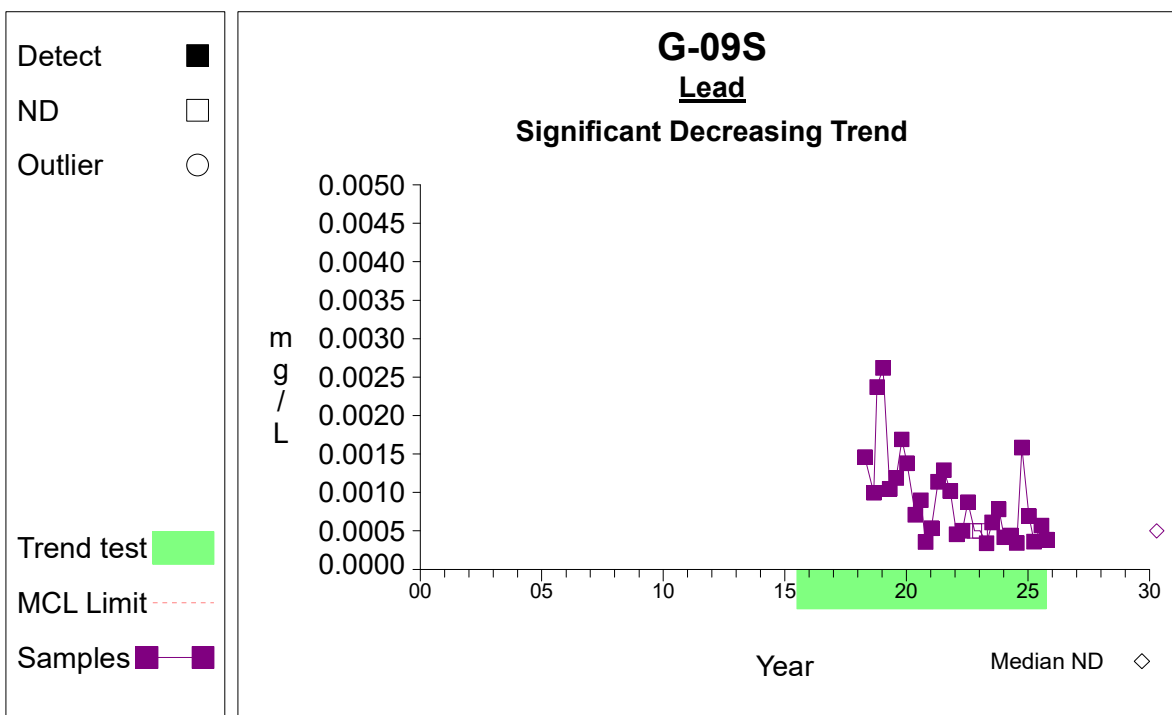
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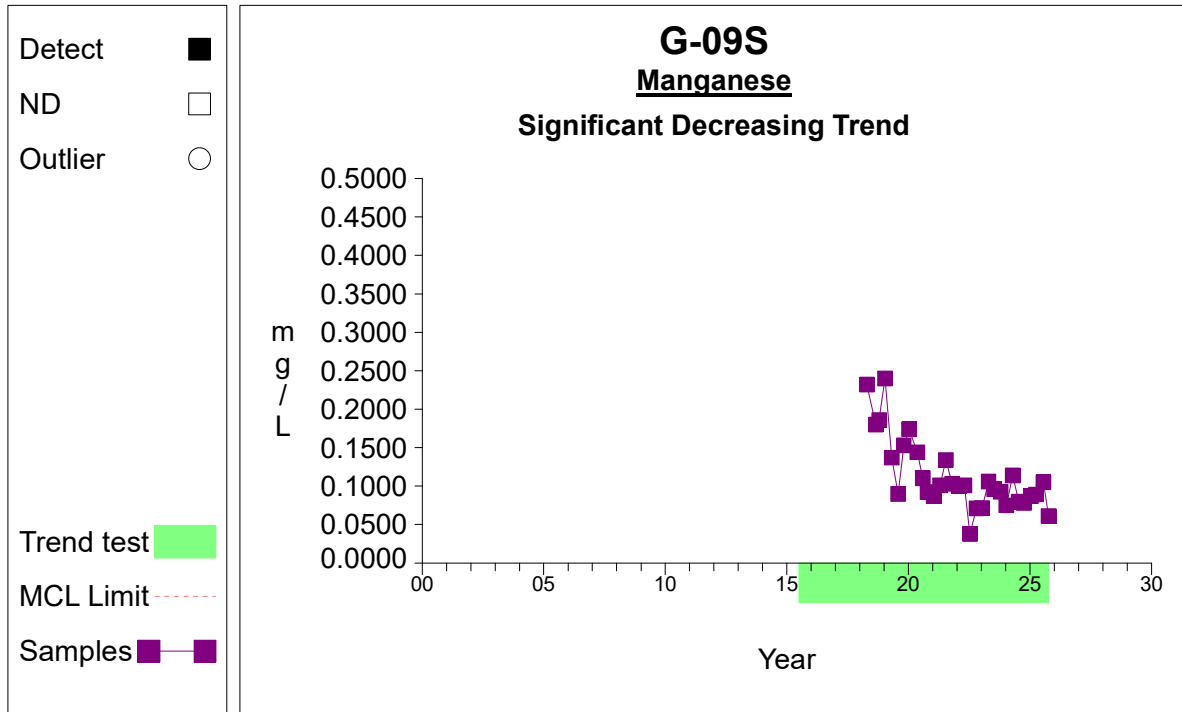
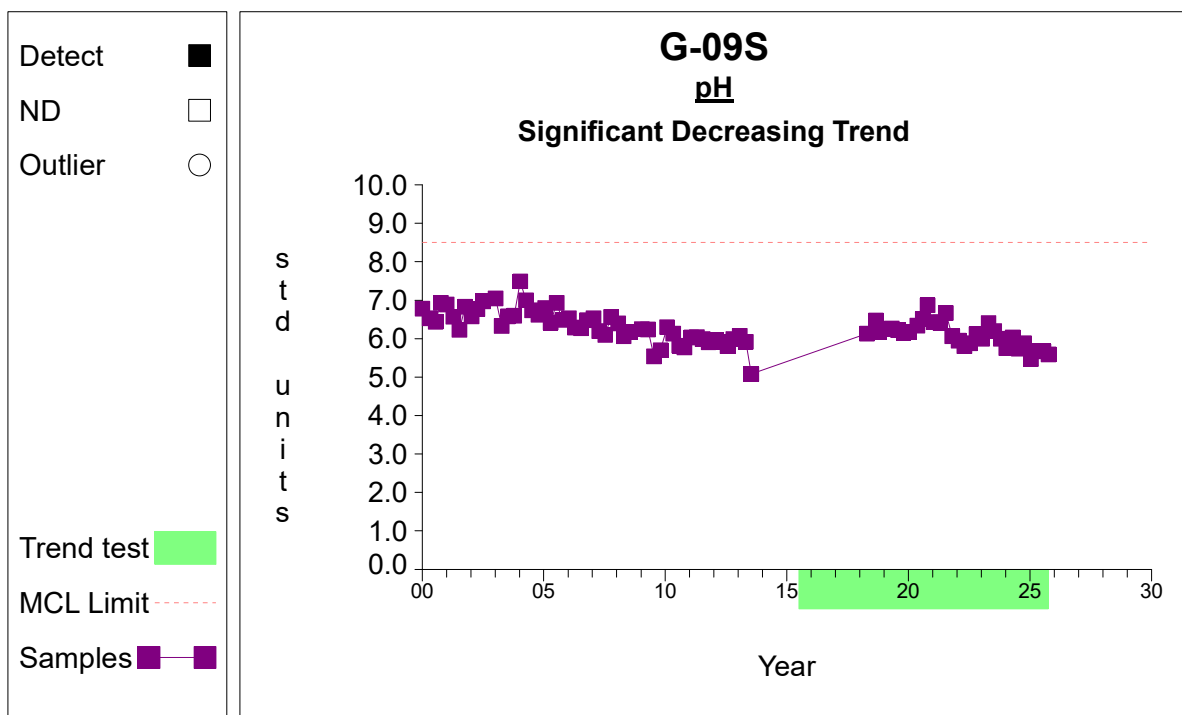
Time Series**Graph 72**

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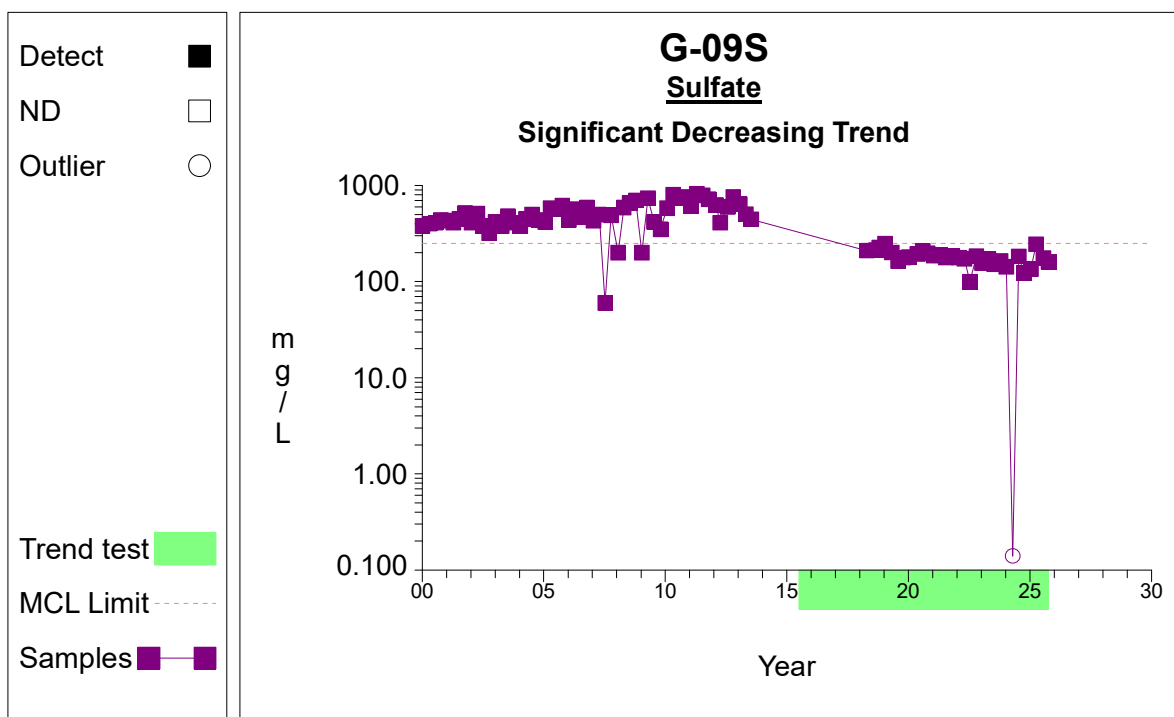
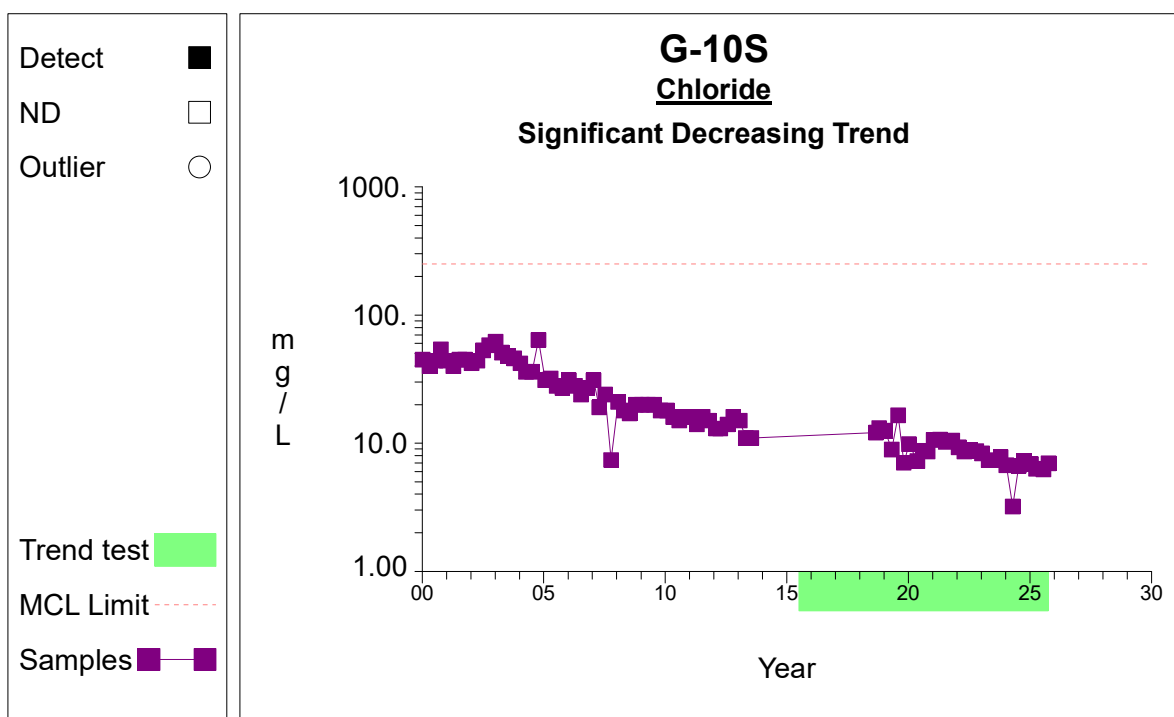
10

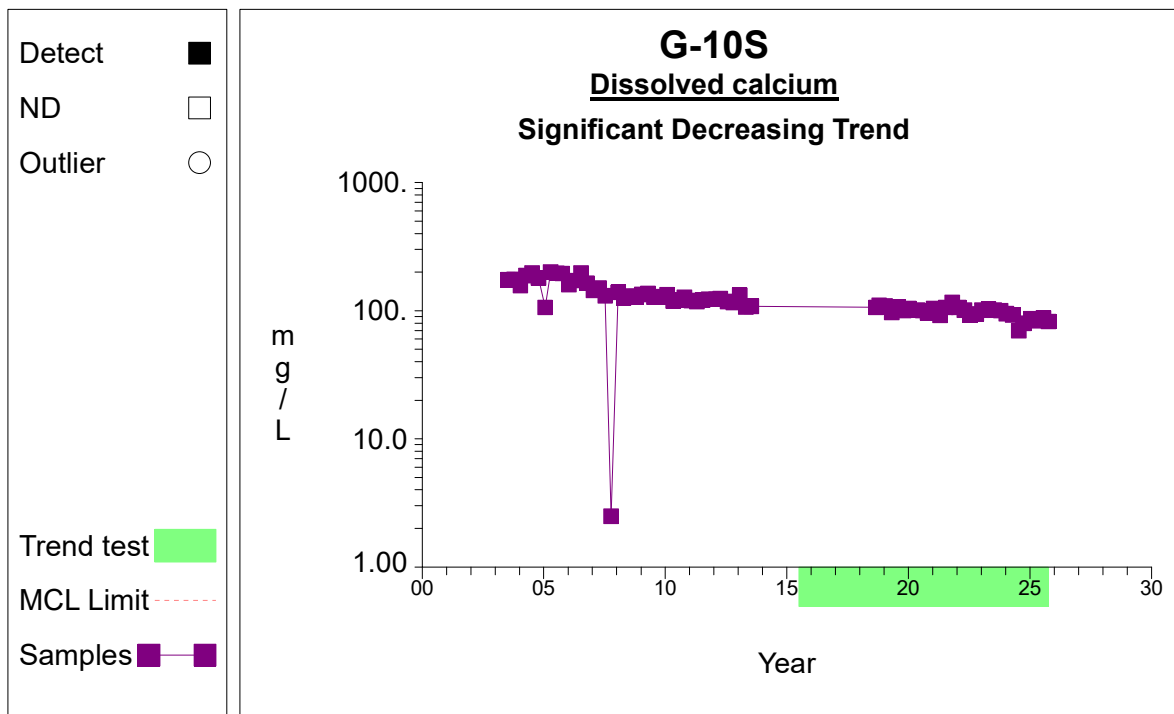
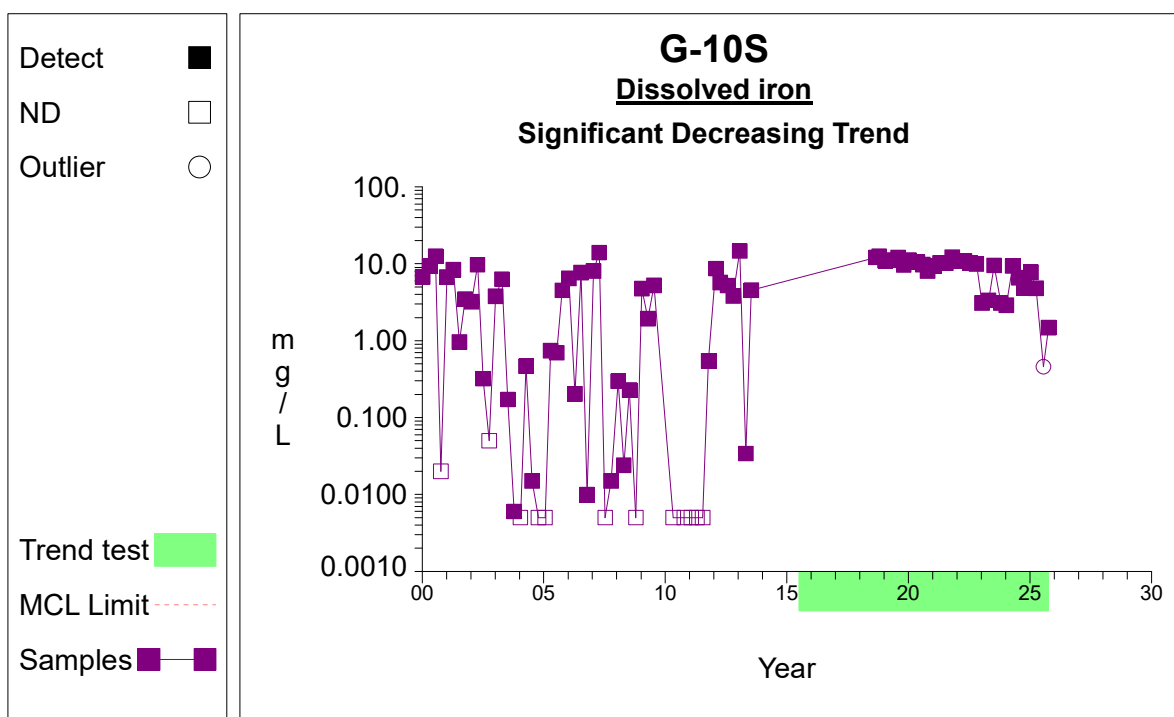
Time Series**Graph 80**Time Series**Graph 100**

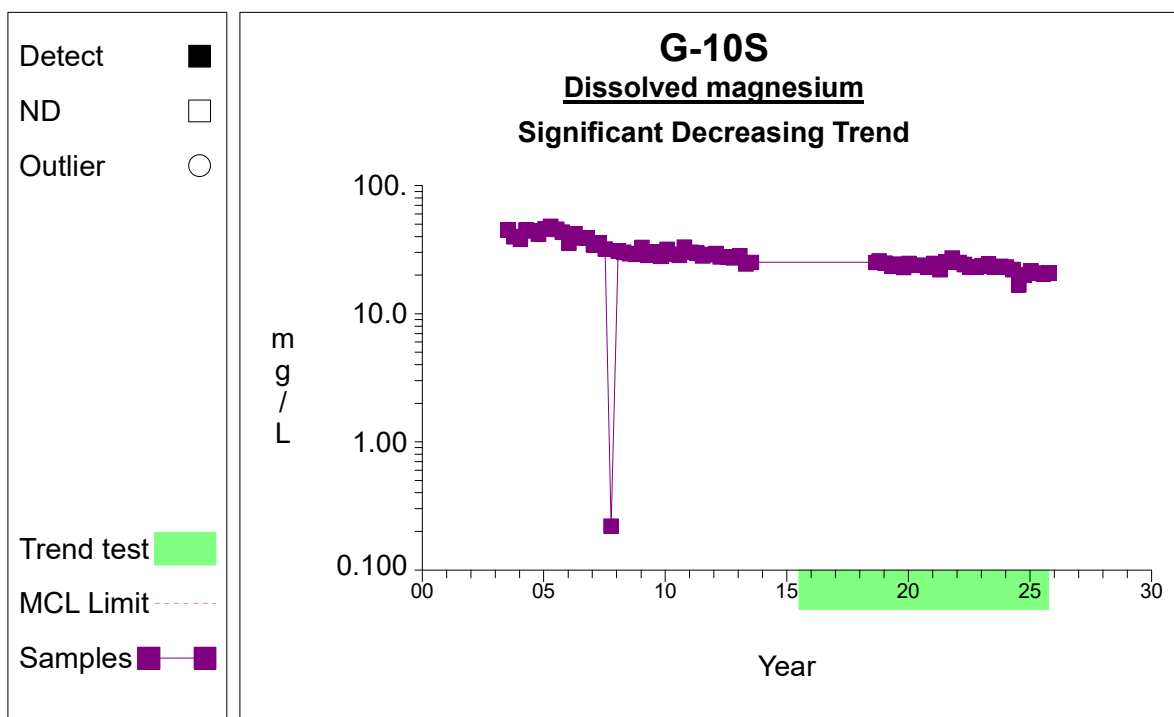
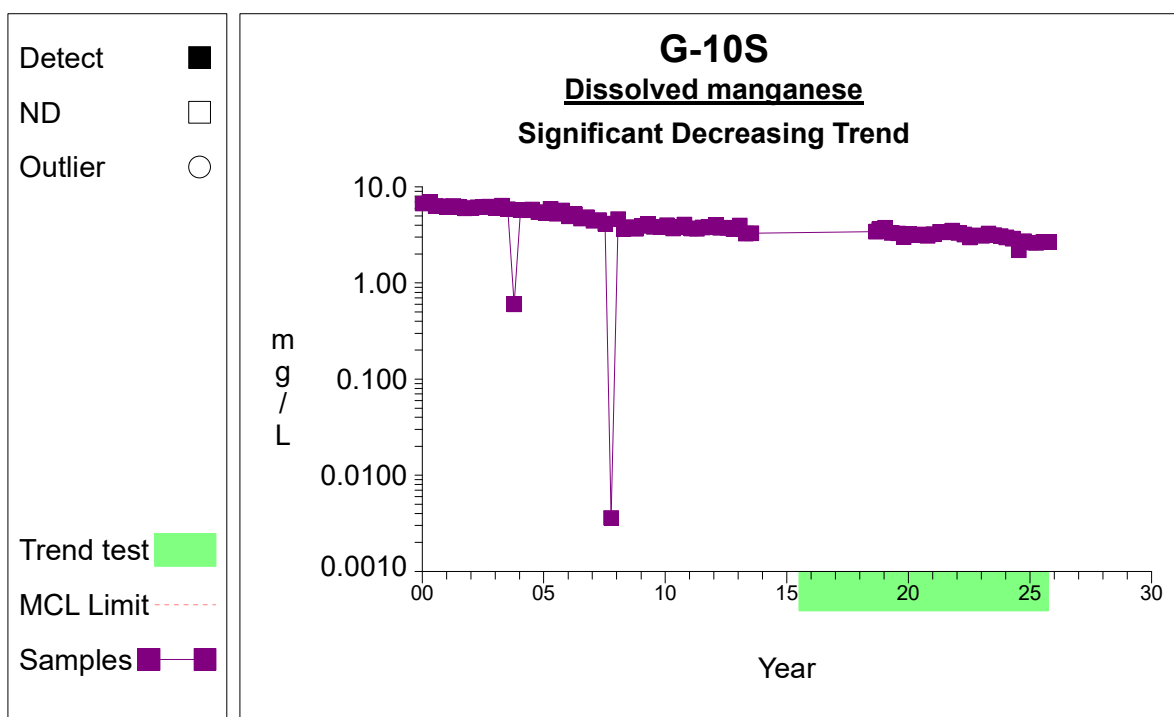
Time Series**Graph 123**Time Series**Graph 127**

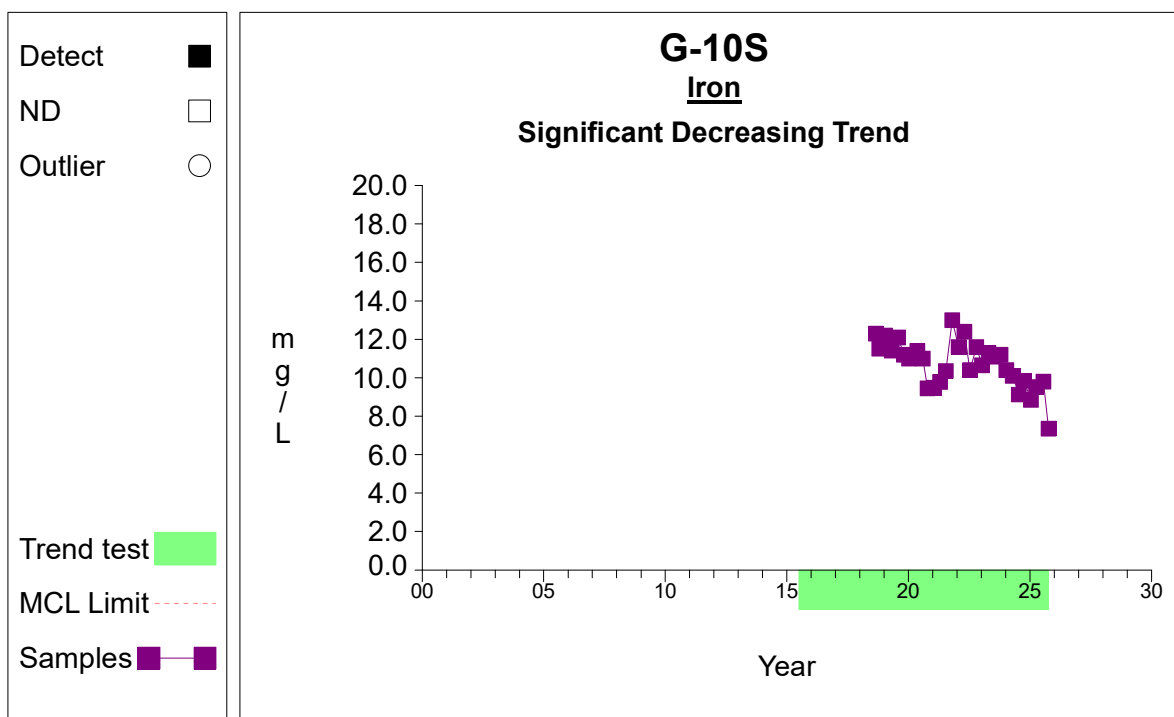
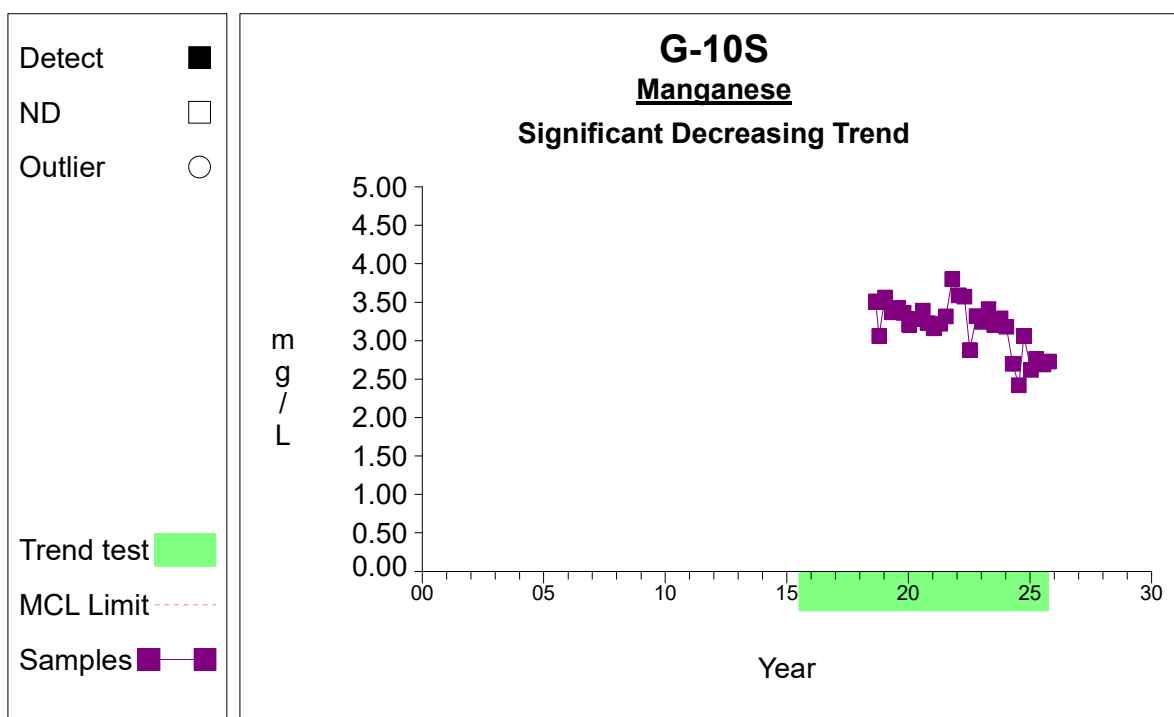
Time Series**Graph 128**Time Series**Graph 132**

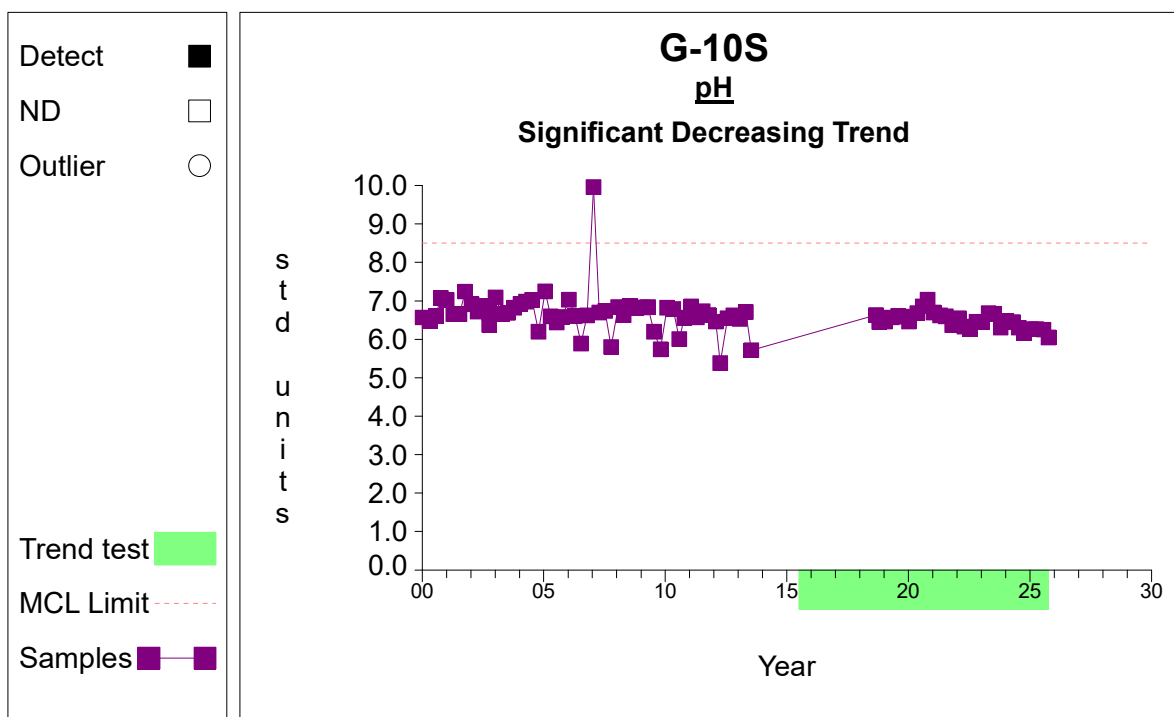
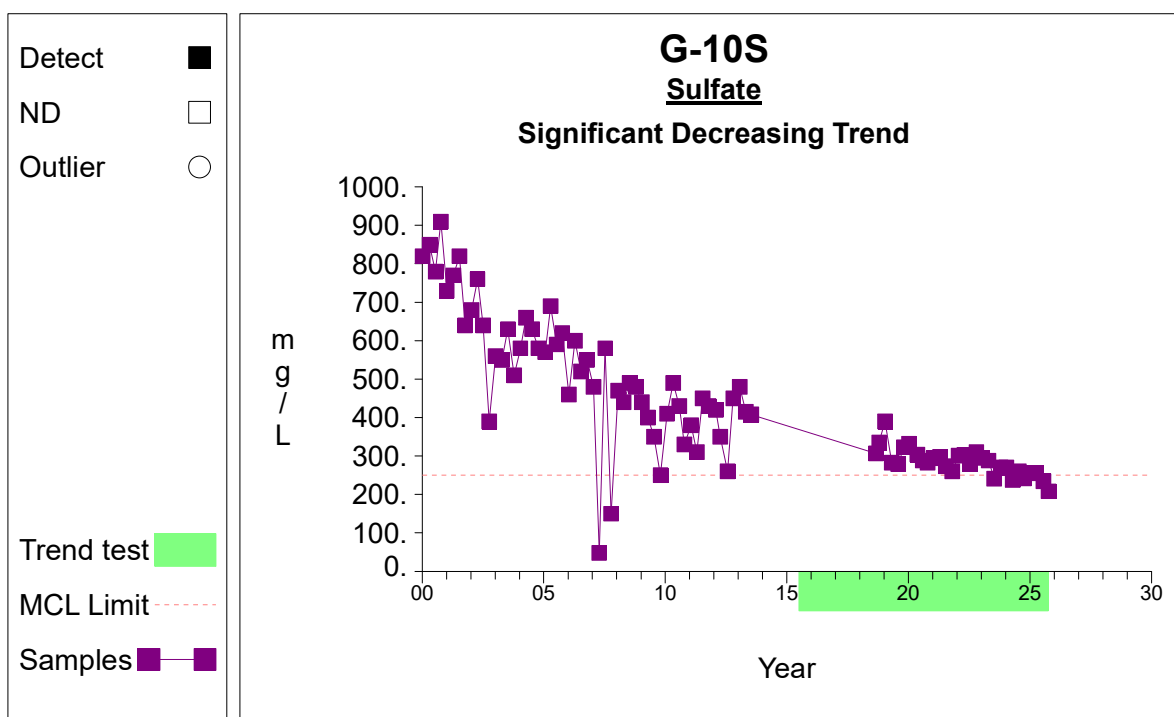


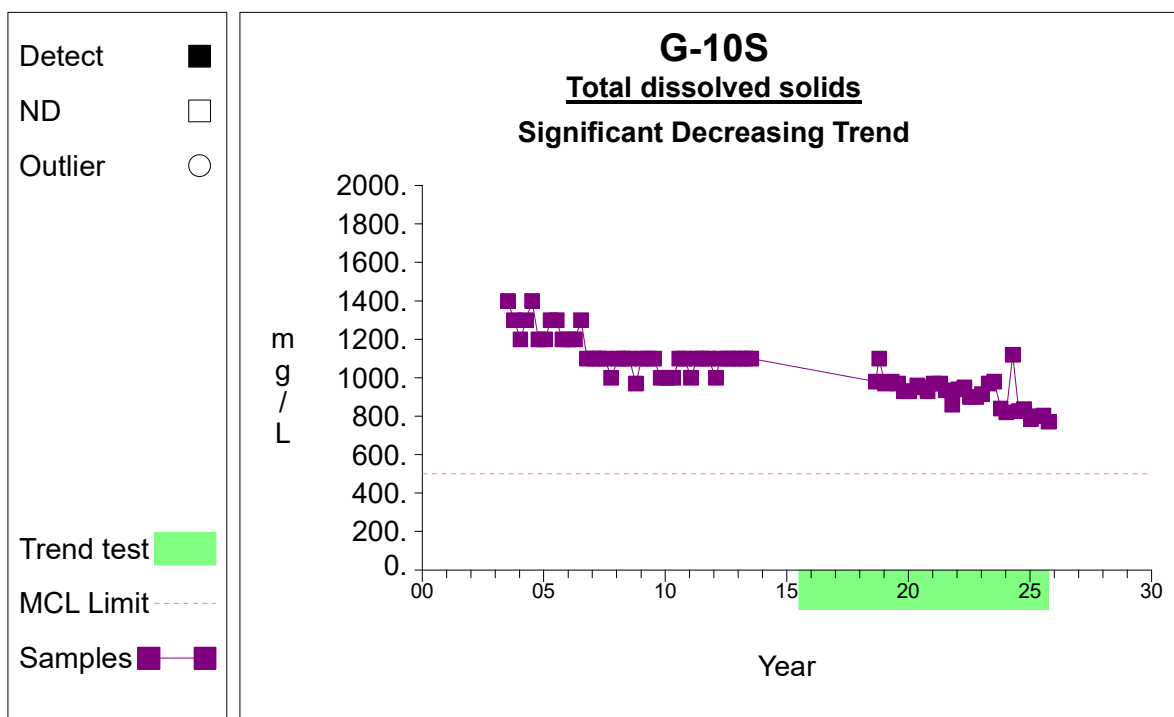
Time Series**Graph 135**Time Series**Graph 150**

Time Series**Graph 155**Time Series**Graph 156**

Time Series**Graph 157**Time Series**Graph 158**

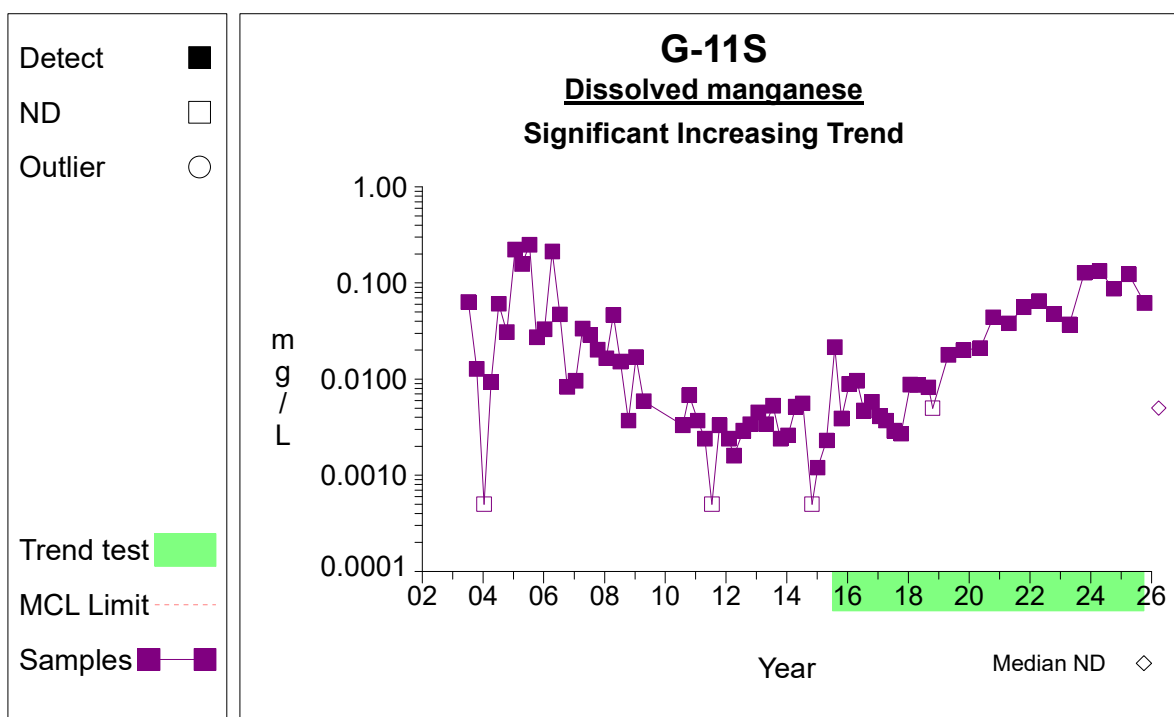
Time Series**Graph 161**Time Series**Graph 163**

Time Series**Graph 167**Time Series**Graph 170**

Time Series**Graph 172**

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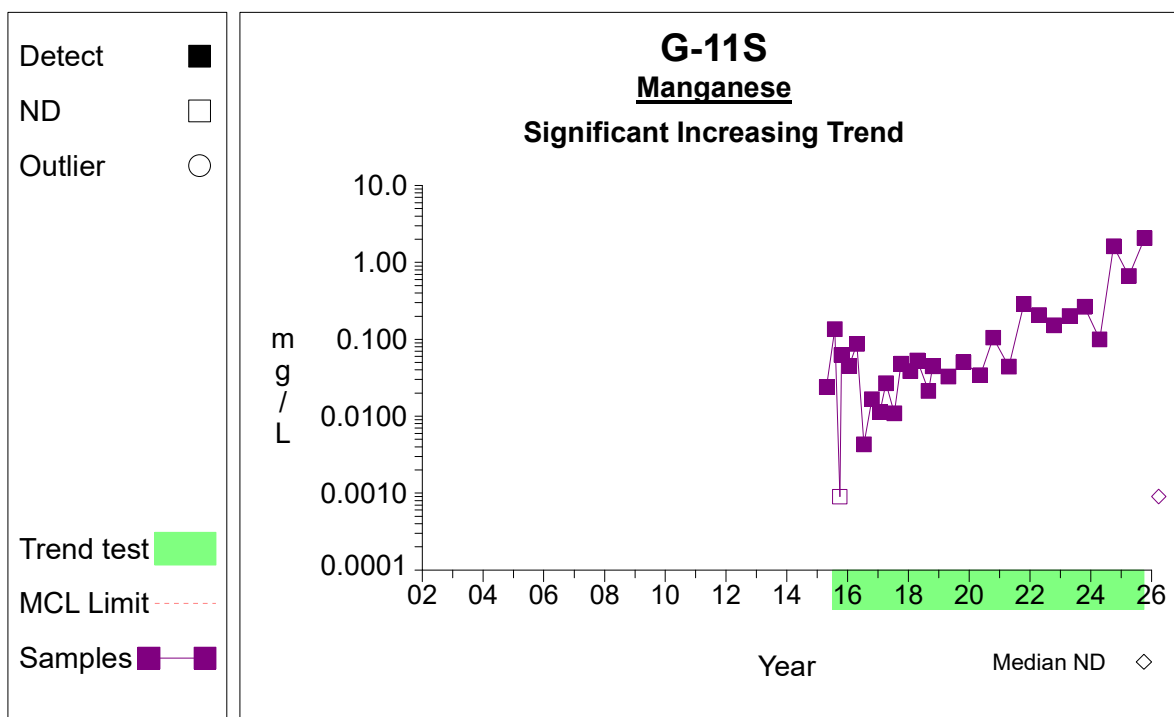
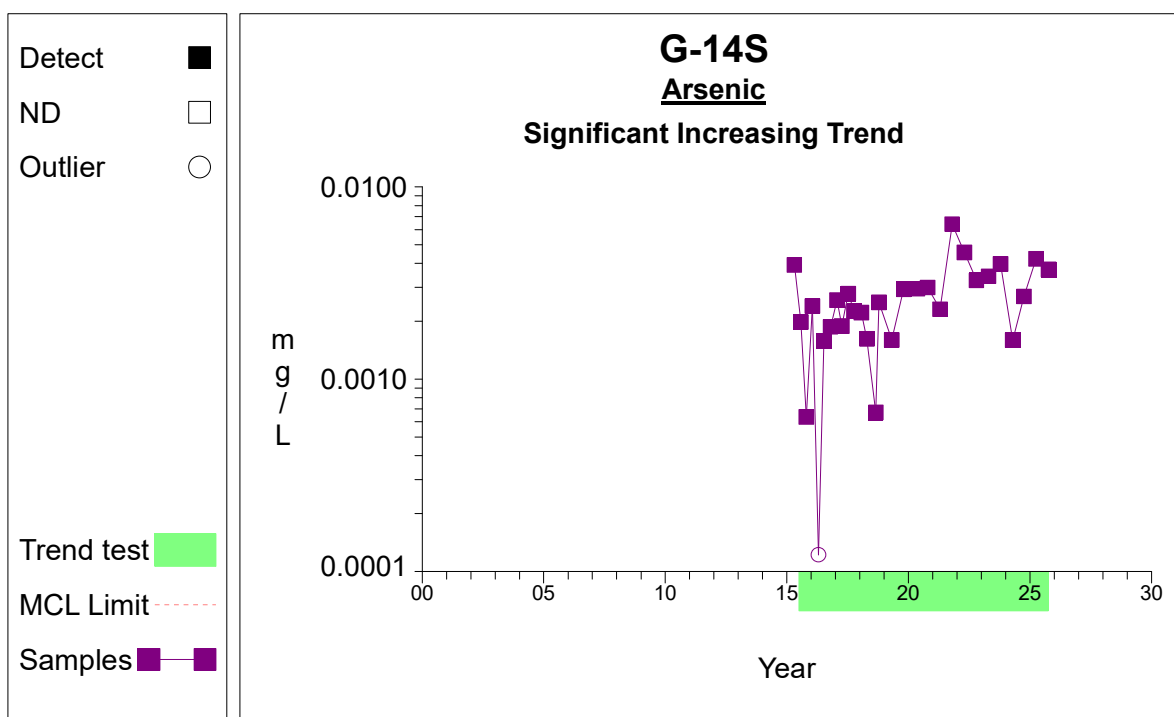
27

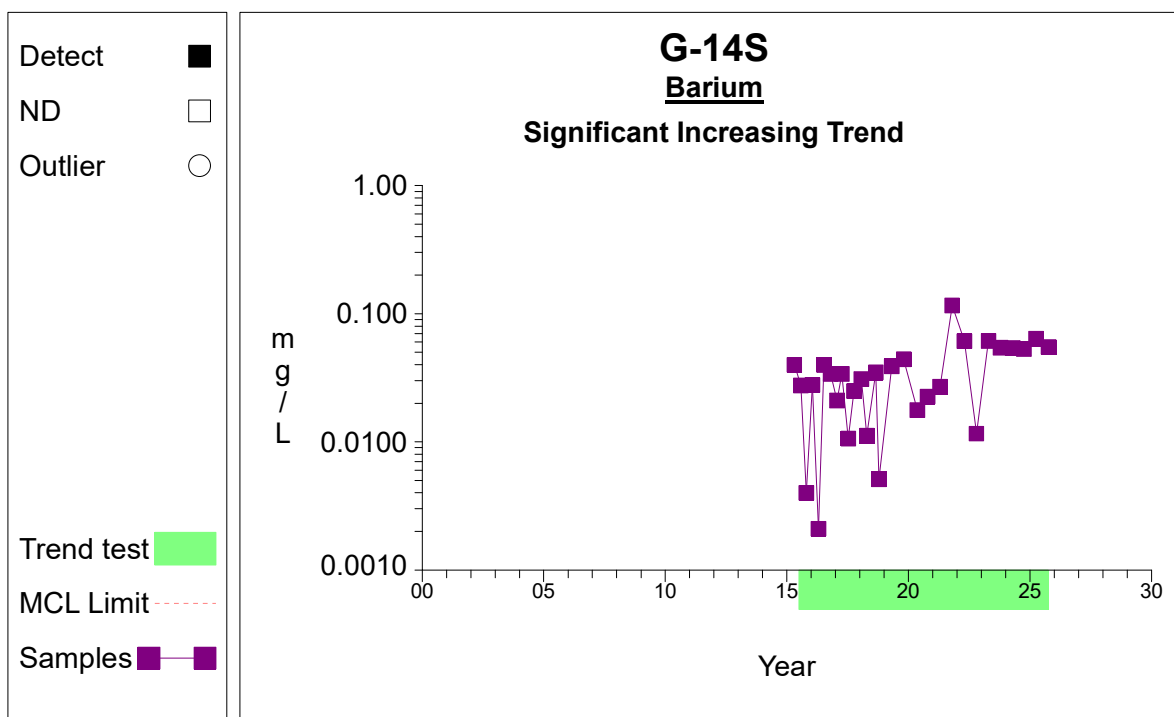
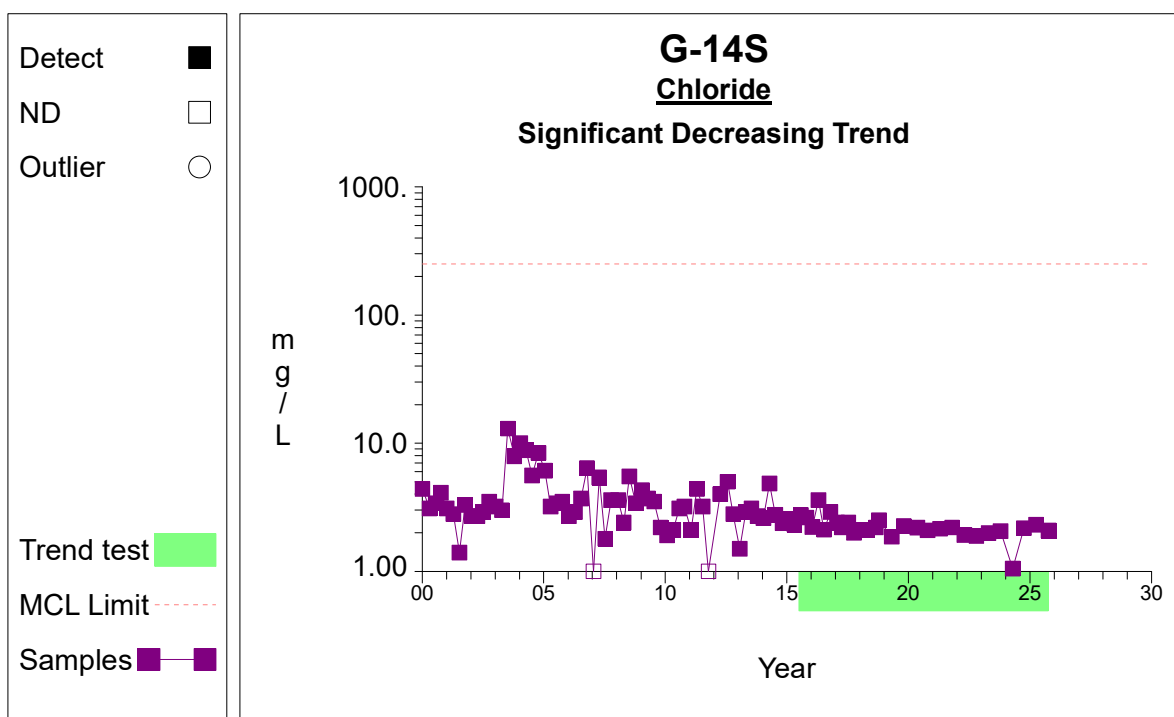
Time Series**Graph 193**

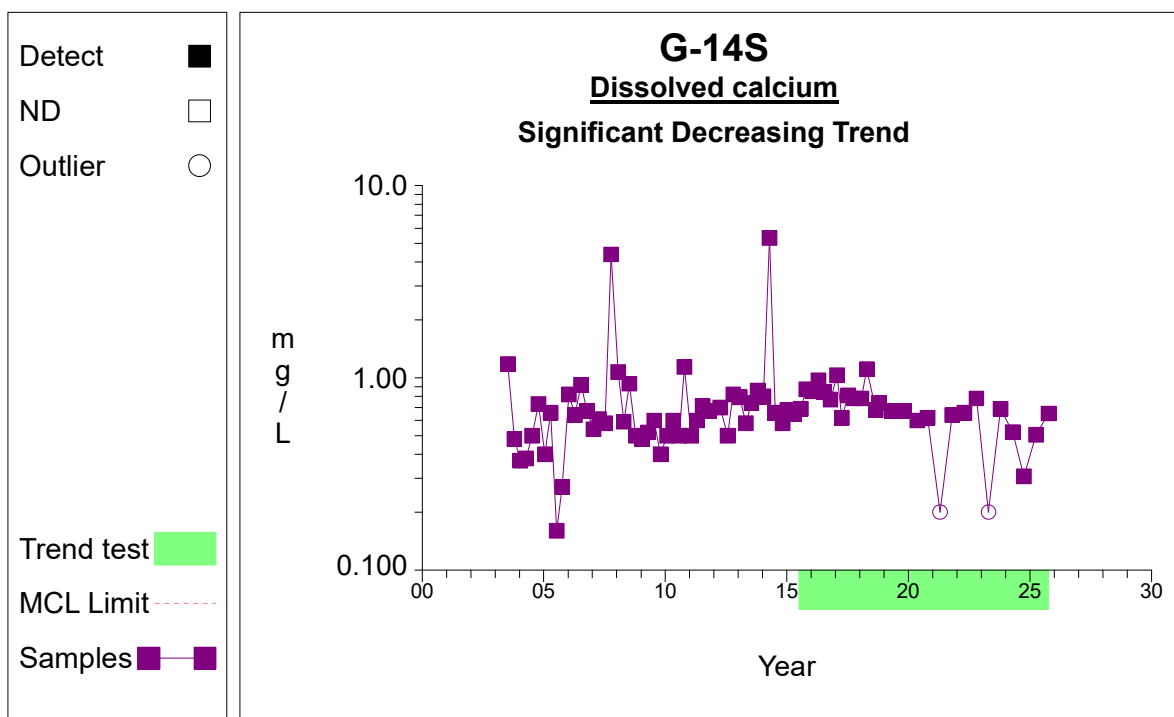
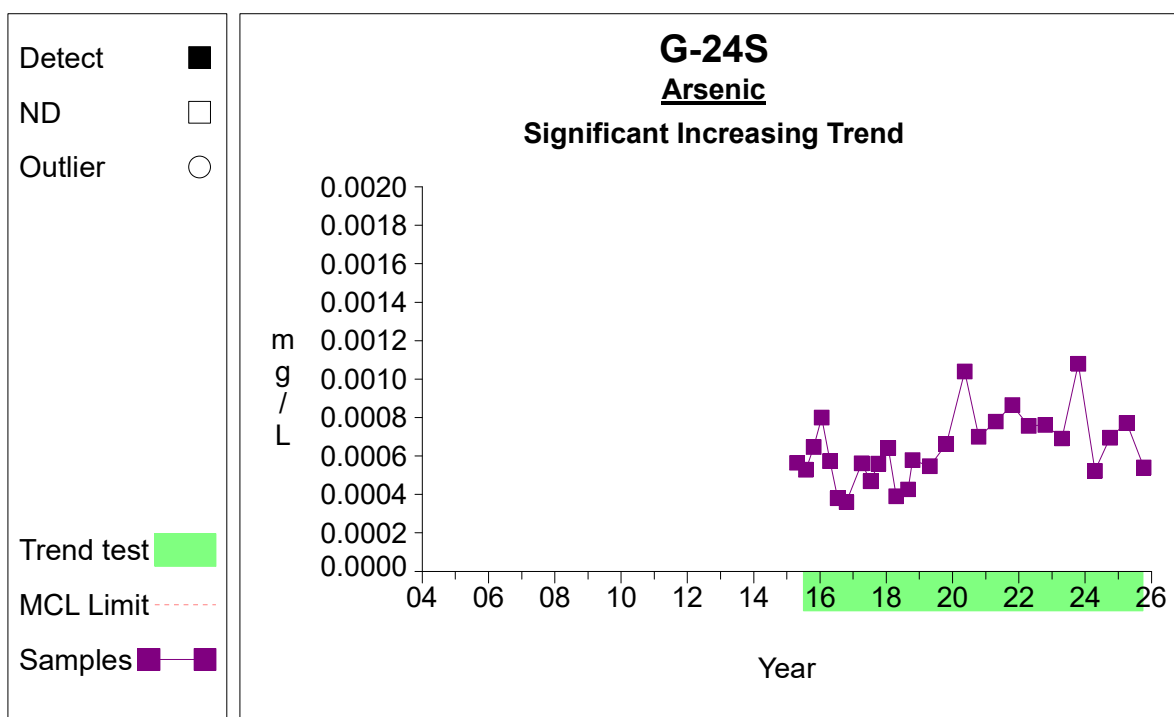
Prepared by: Snohomish County Solid Waste

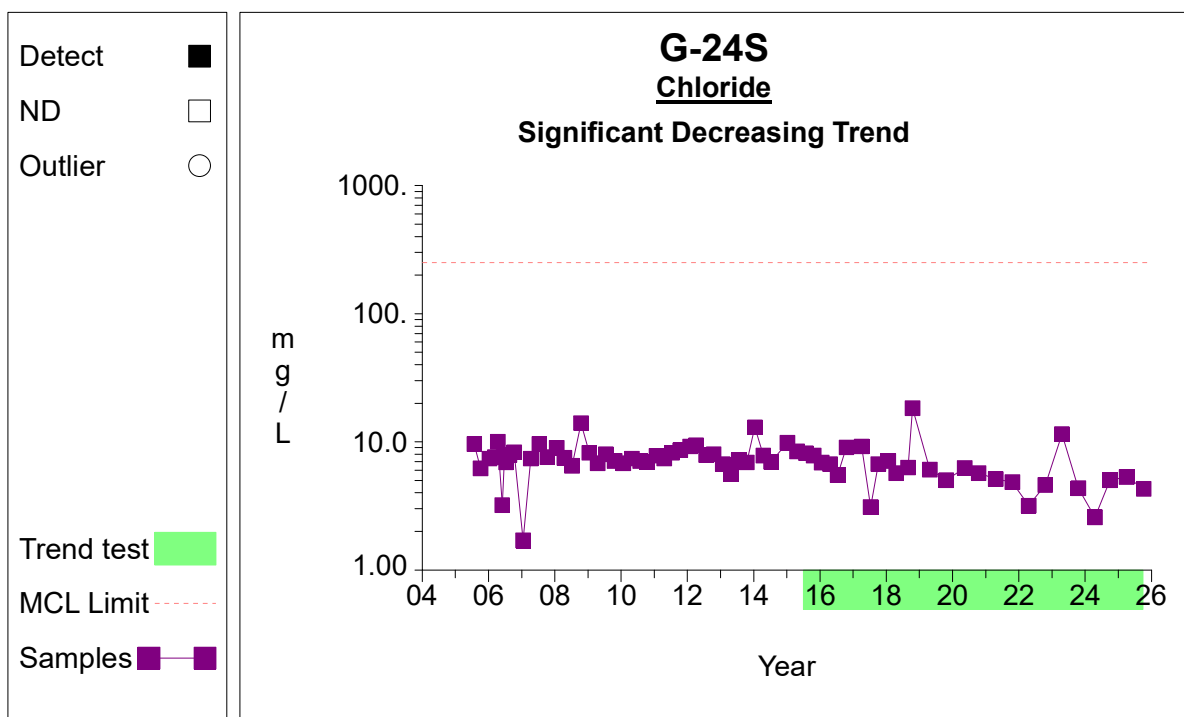
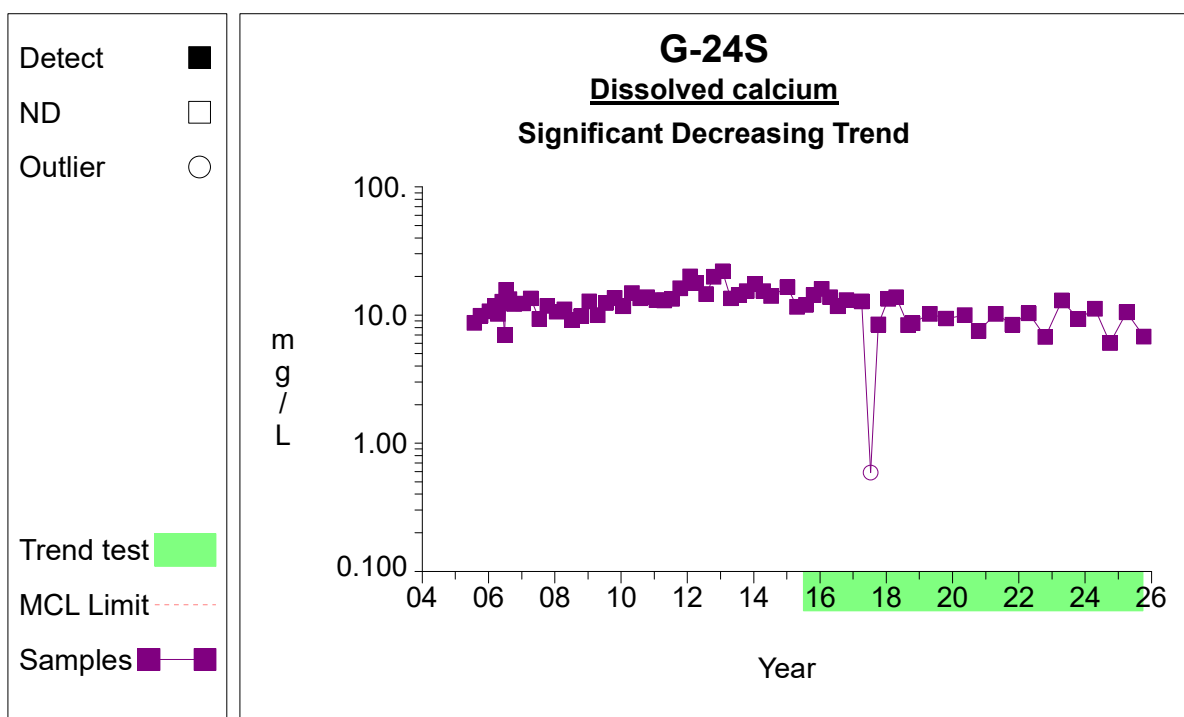
28

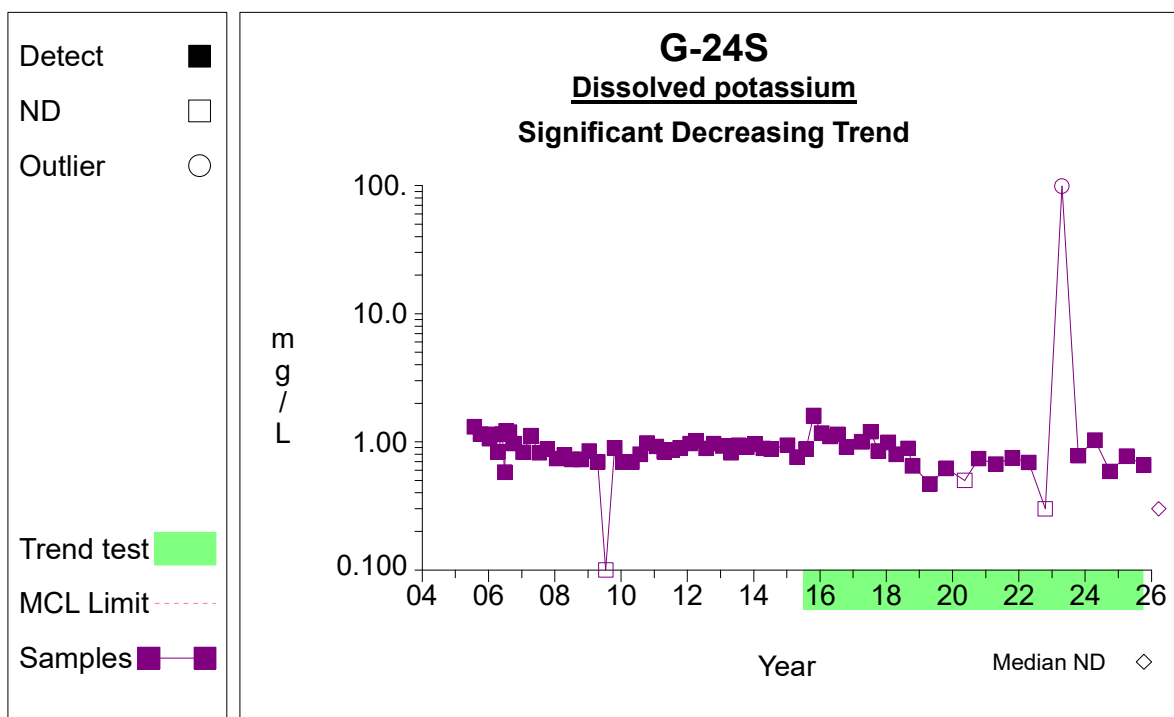
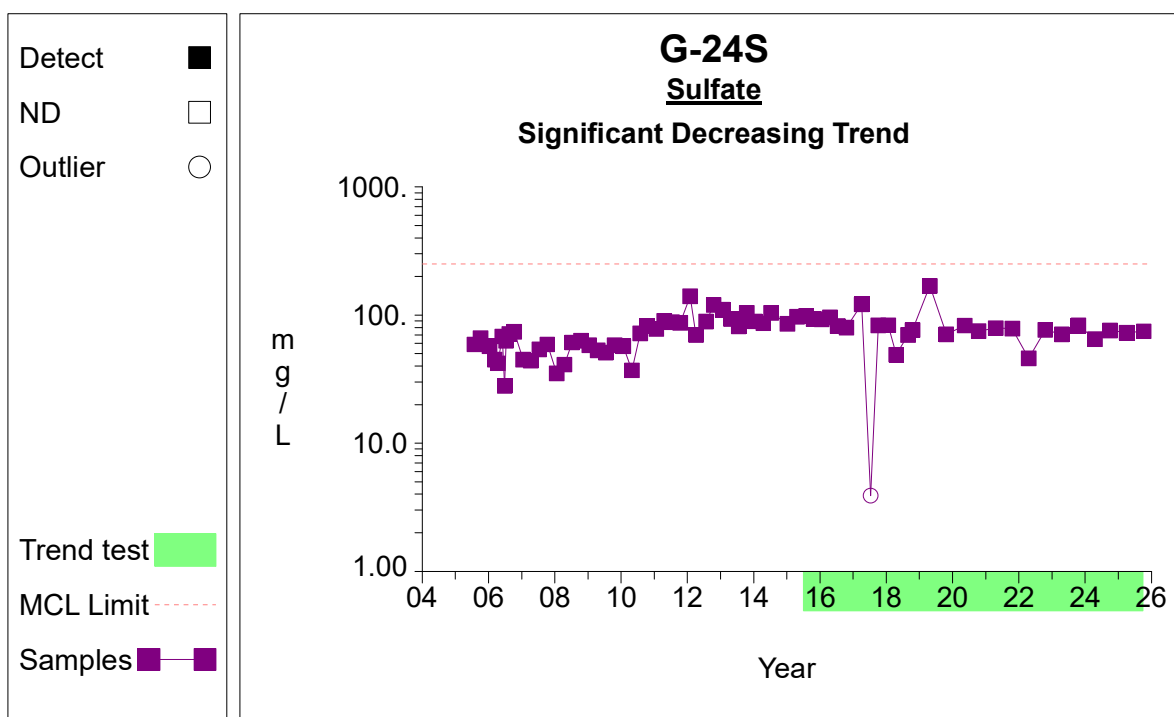


Time Series**Graph 198**Time Series**Graph 214**

Time Series**Graph 215**Time Series**Graph 220**

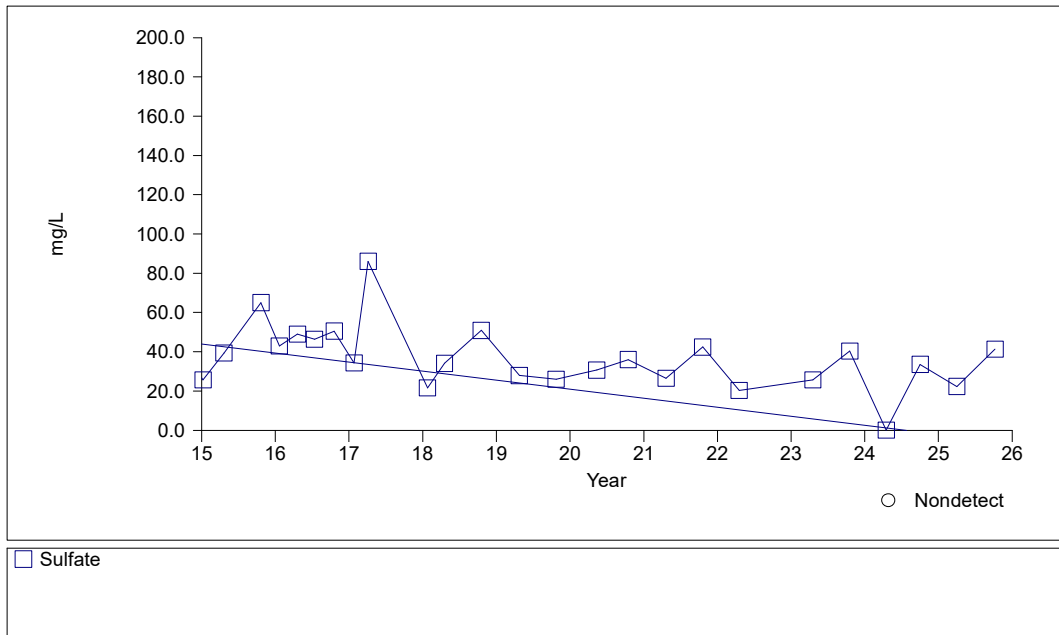
Time Series**Graph 225**Time Series**Graph 249**

Time Series**Graph 255**Time Series**Graph 260**

Time Series**Graph 264**Time Series**Graph 275**

### Cathcart Landfill

Time Series Plot for G-01A

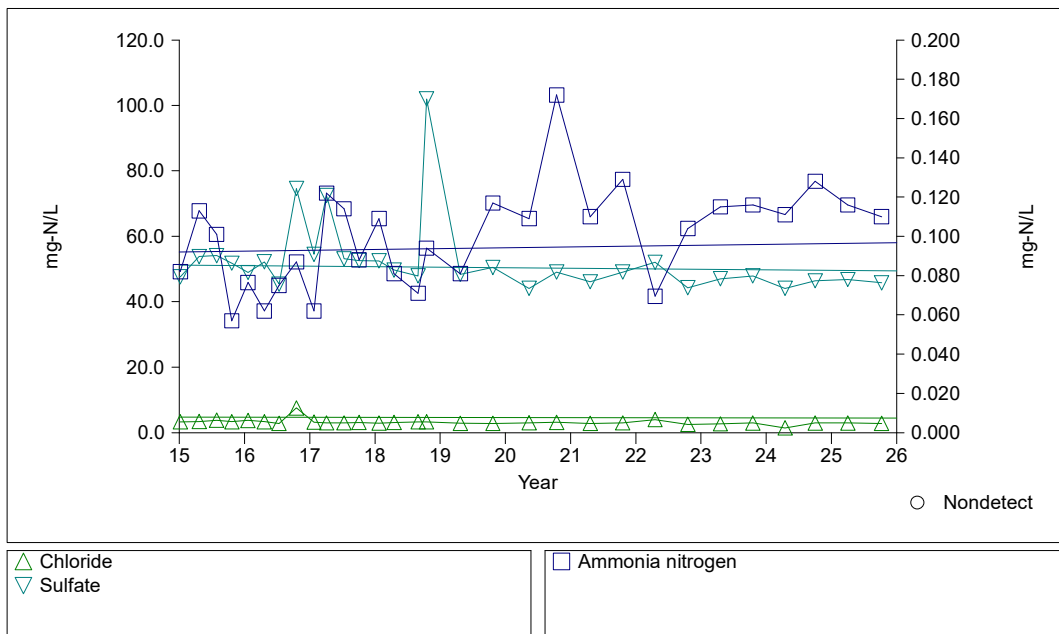


1

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### Cathcart Landfill

Time Series Plot for G-08D1



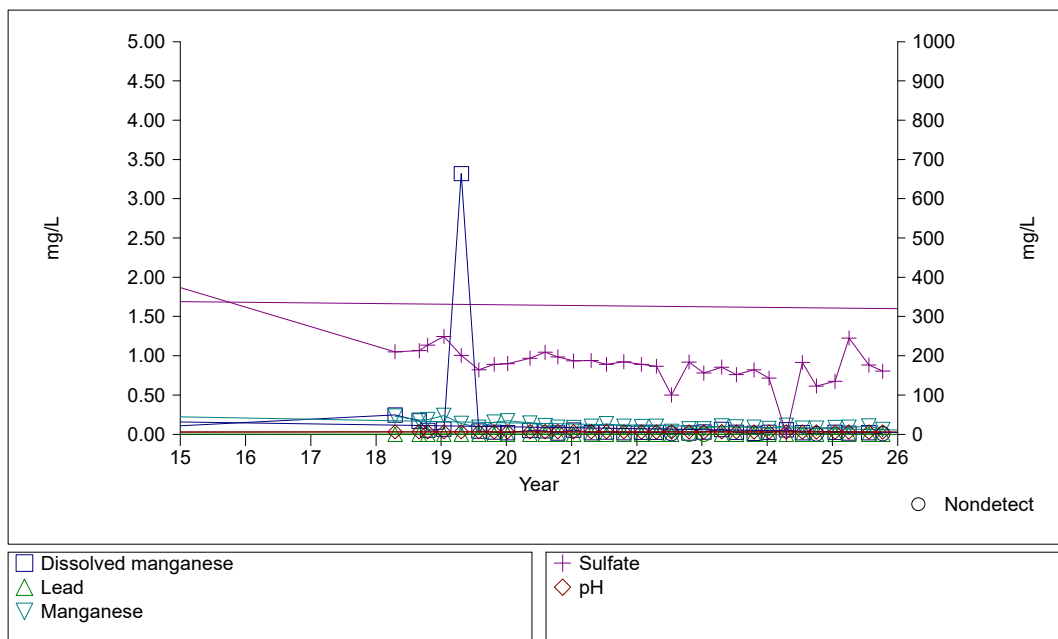
1

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### Cathcart Landfill

Time Series Plot for G-09S

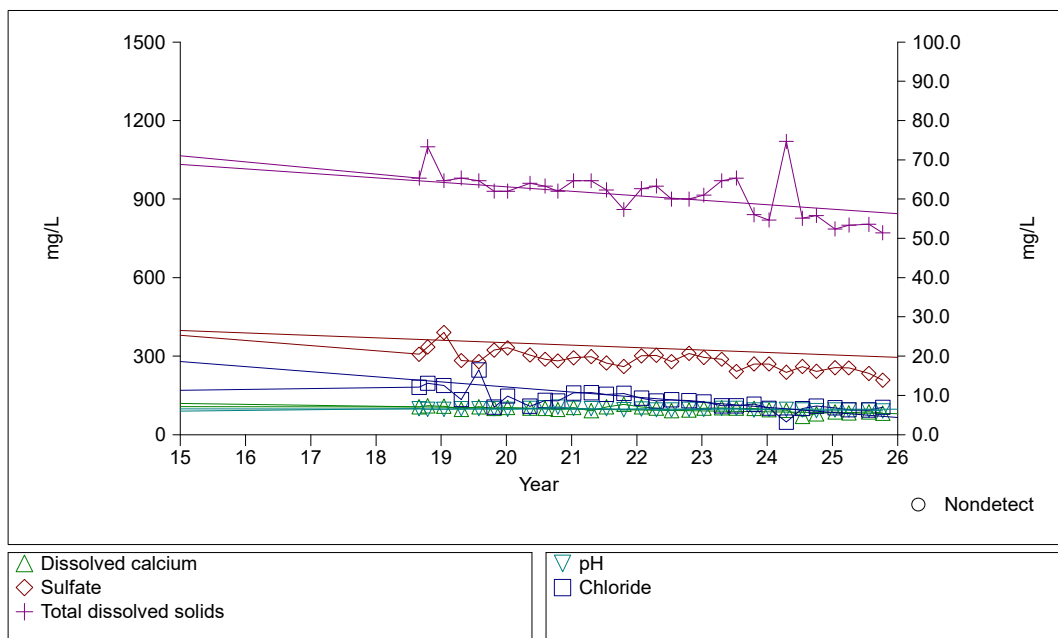


1

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### Cathcart Landfill

Time Series Plot for G-10S

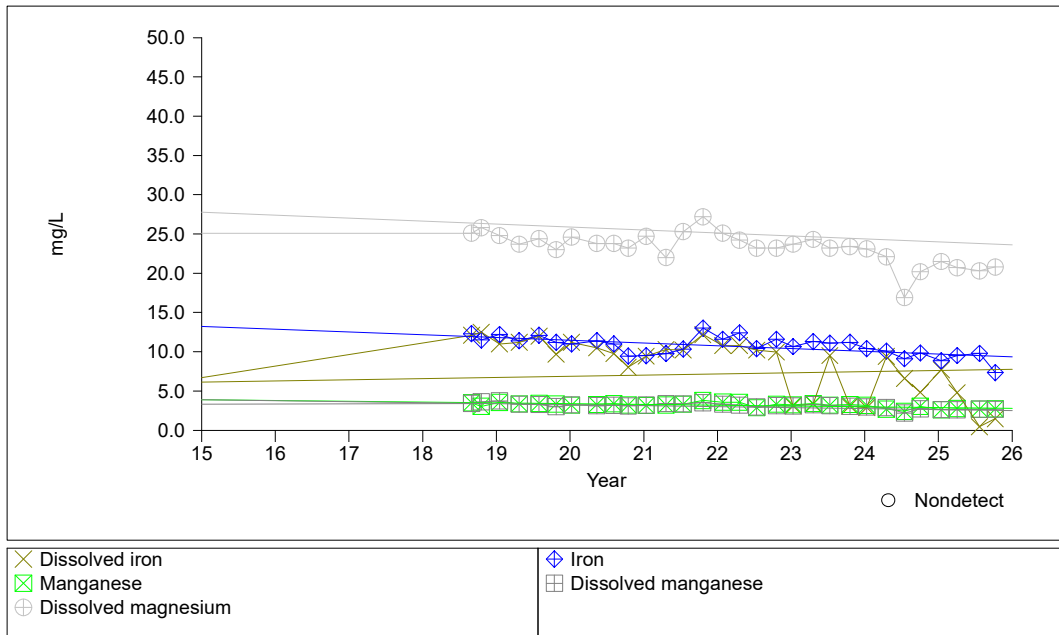


1

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### Cathcart Landfill

Time Series Plot for G-10S

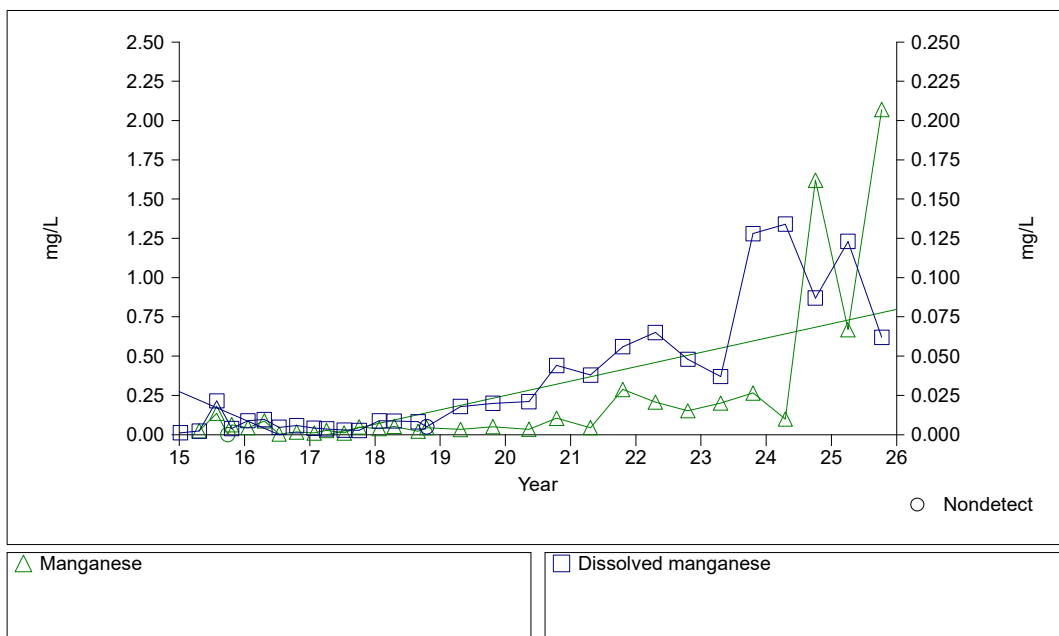


1

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### Cathcart Landfill

Time Series Plot for G-11S

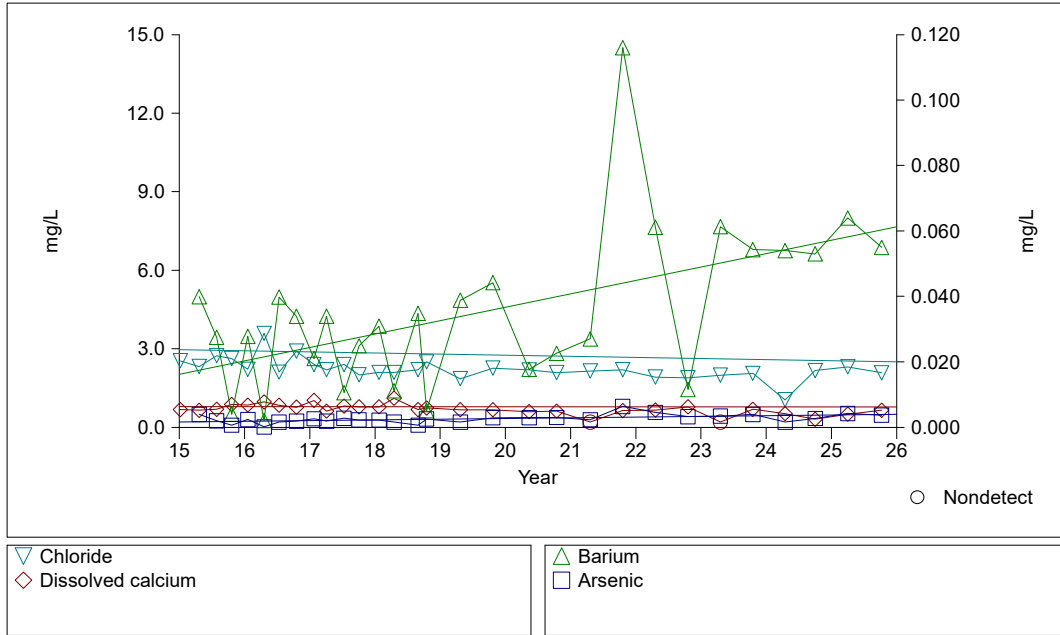


1

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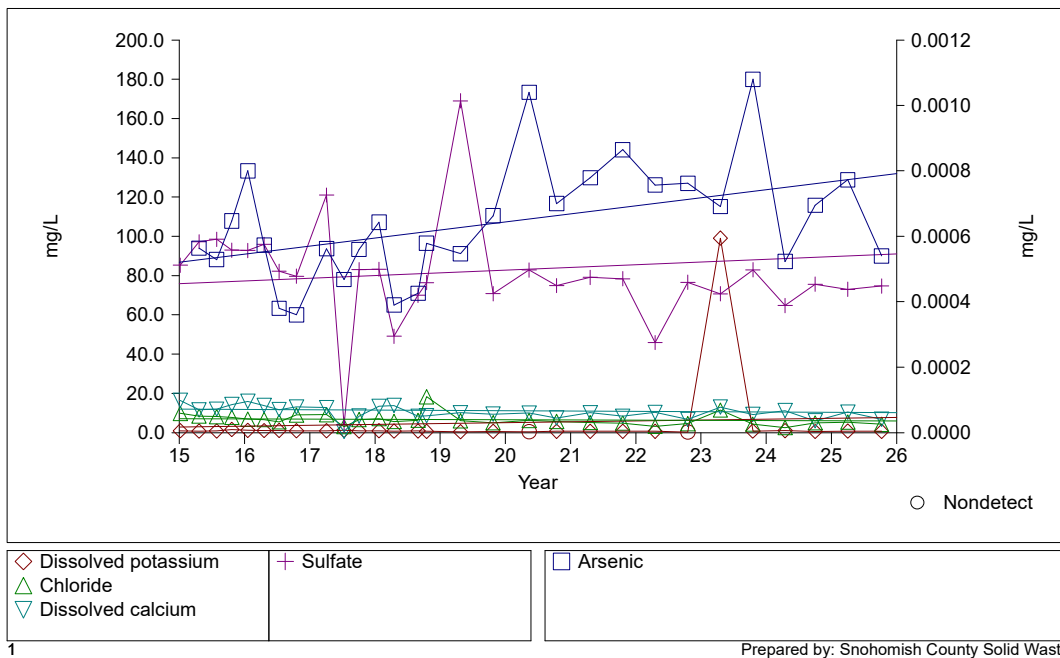
### Cathcart Landfill

Time Series Plot for G-14S



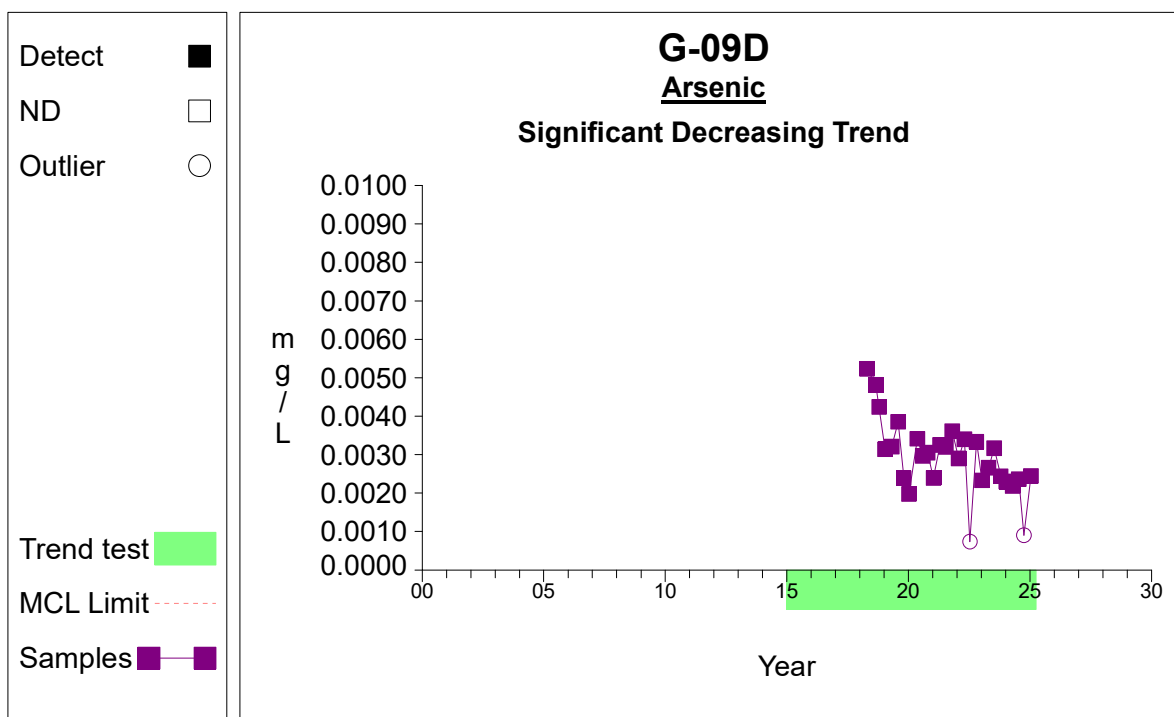
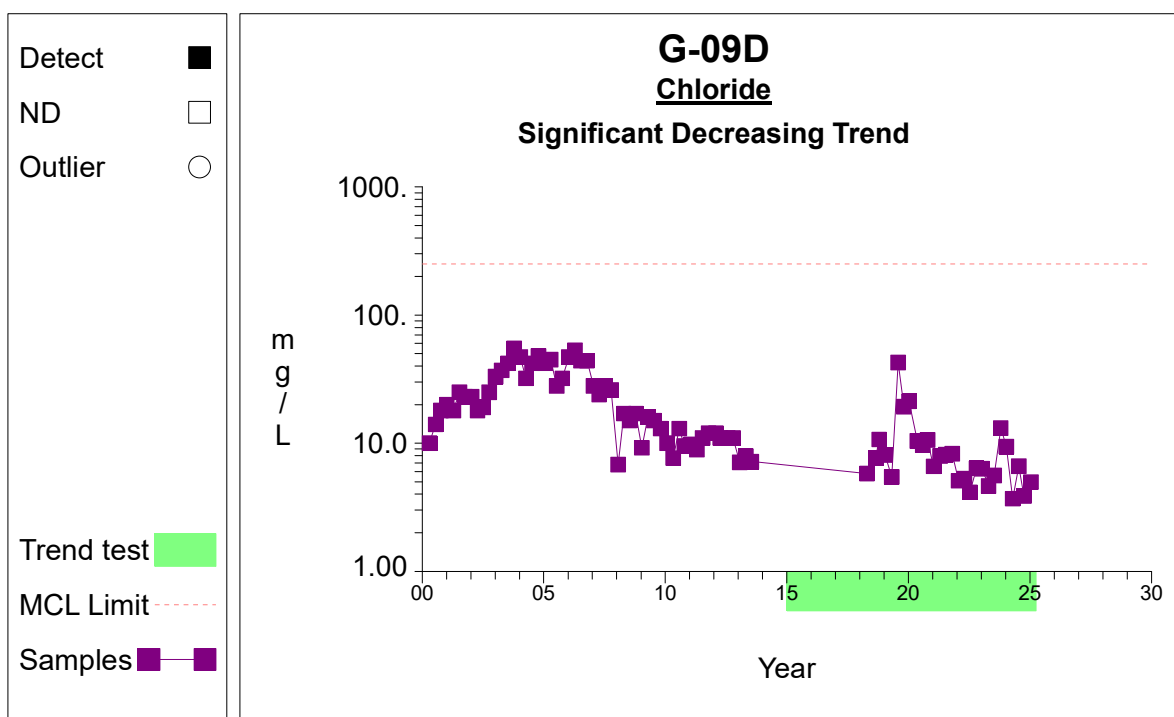
### Cathcart Landfill

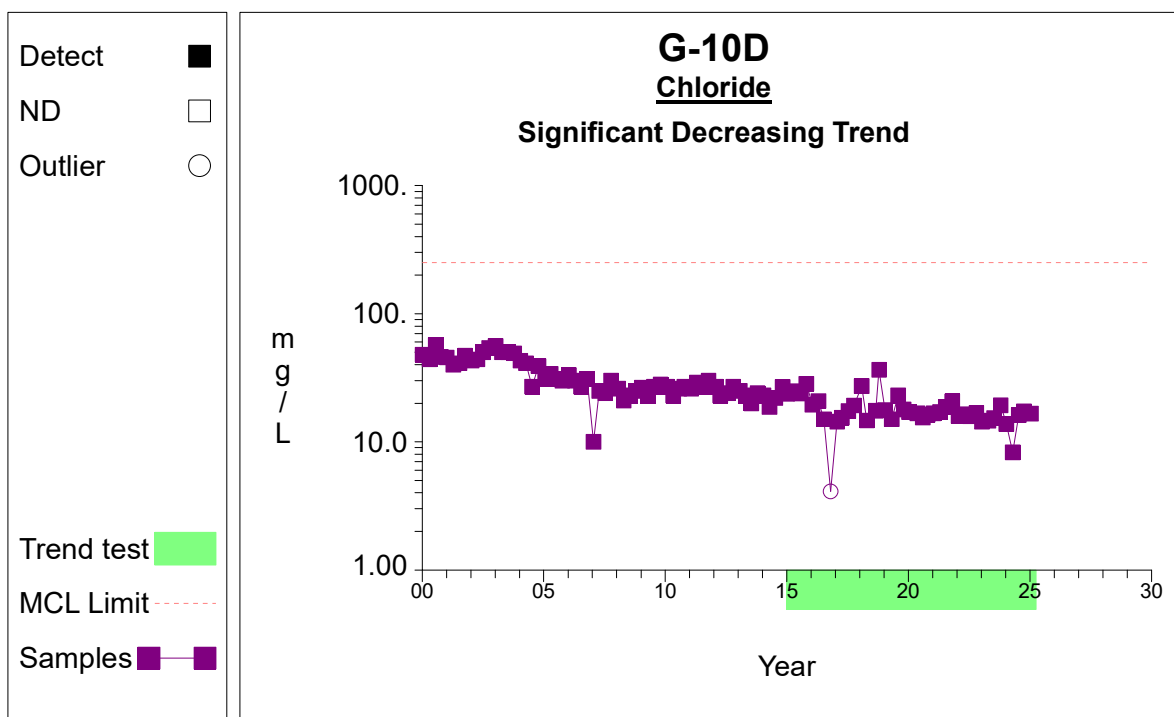
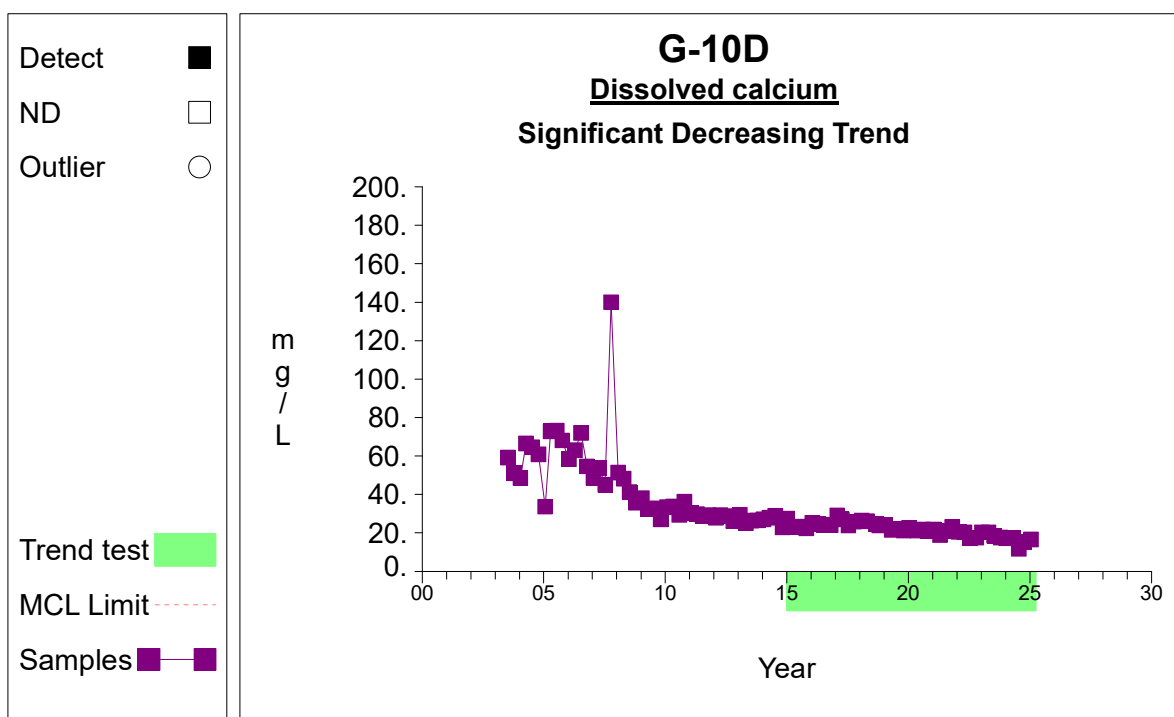
Time Series Plot for G-24S

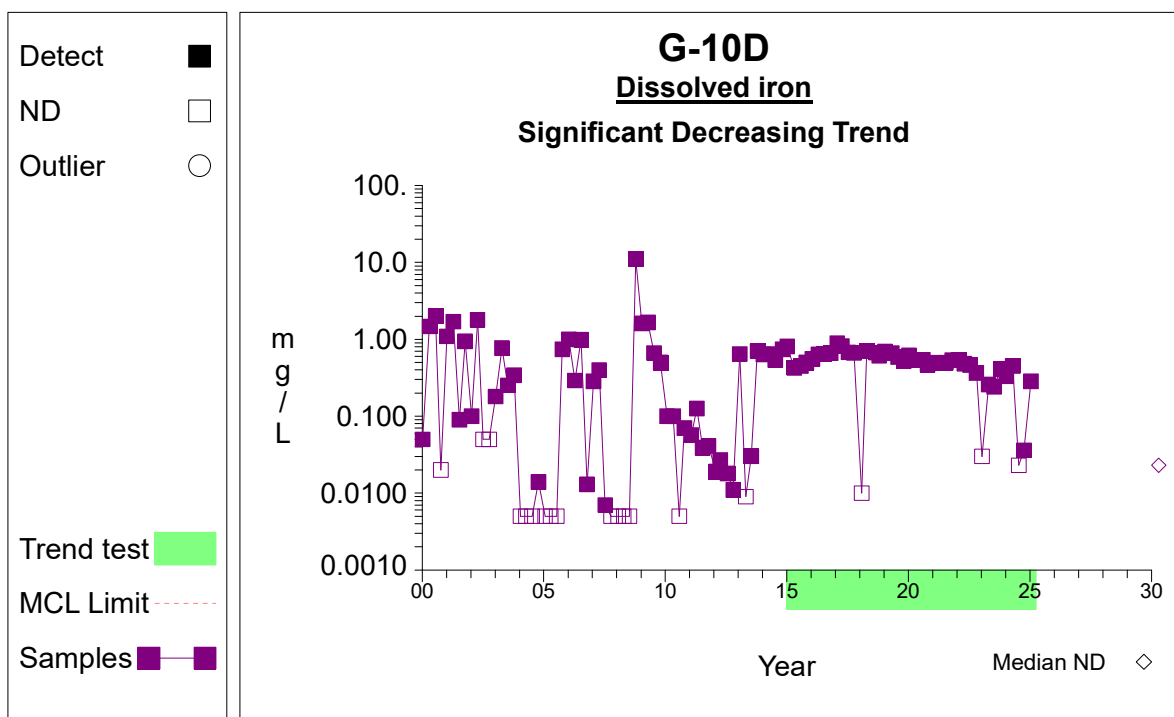
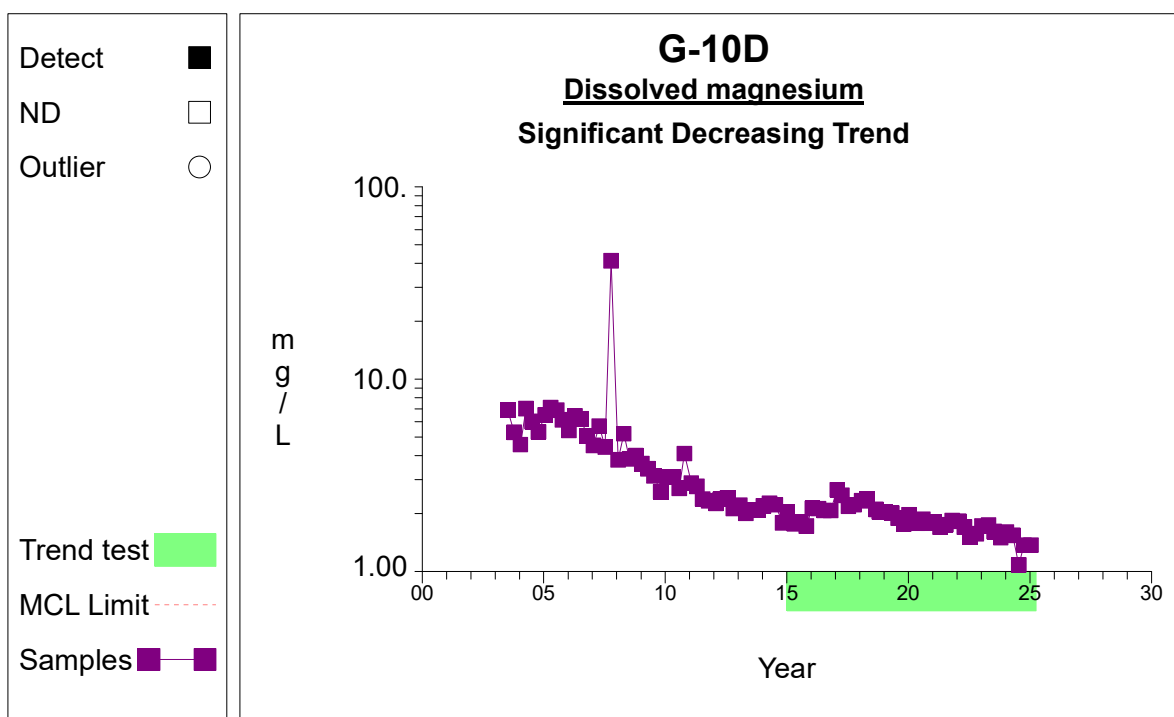


# Deep Wells

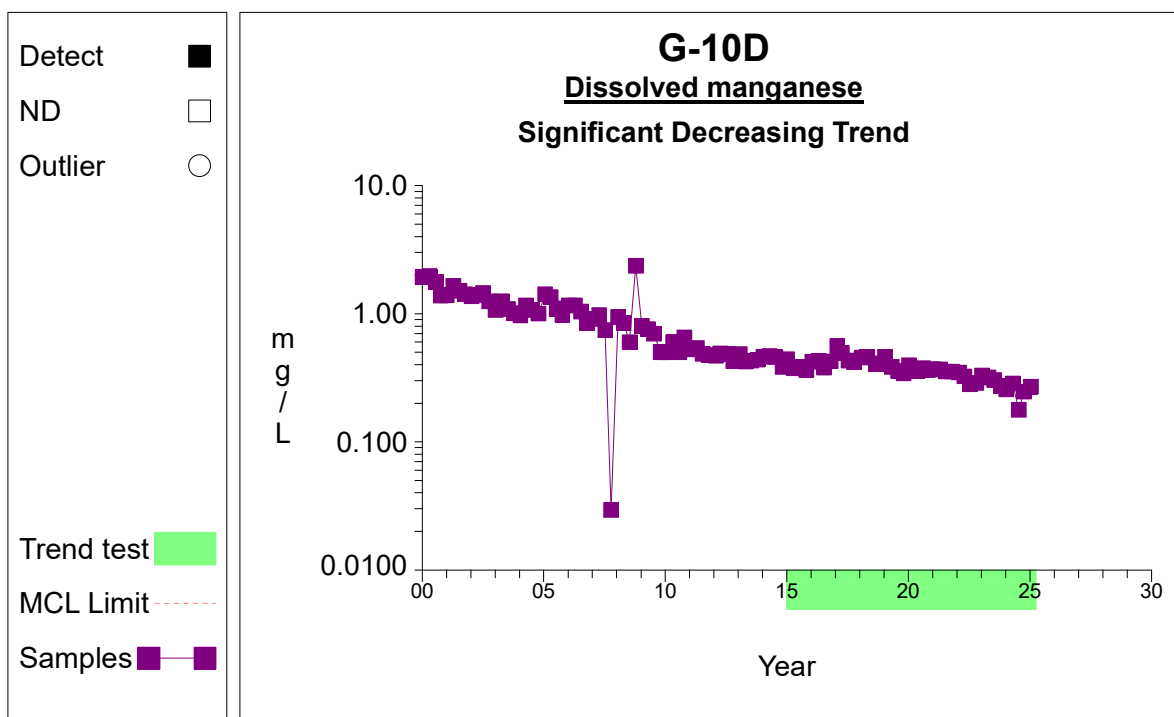
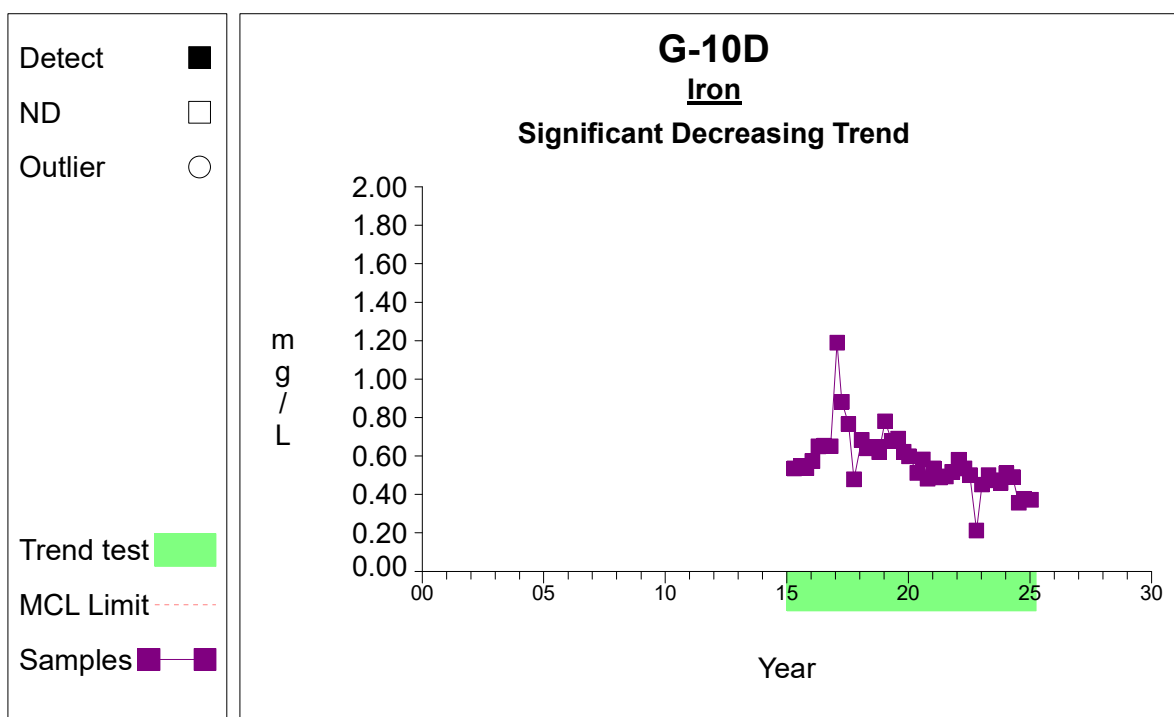
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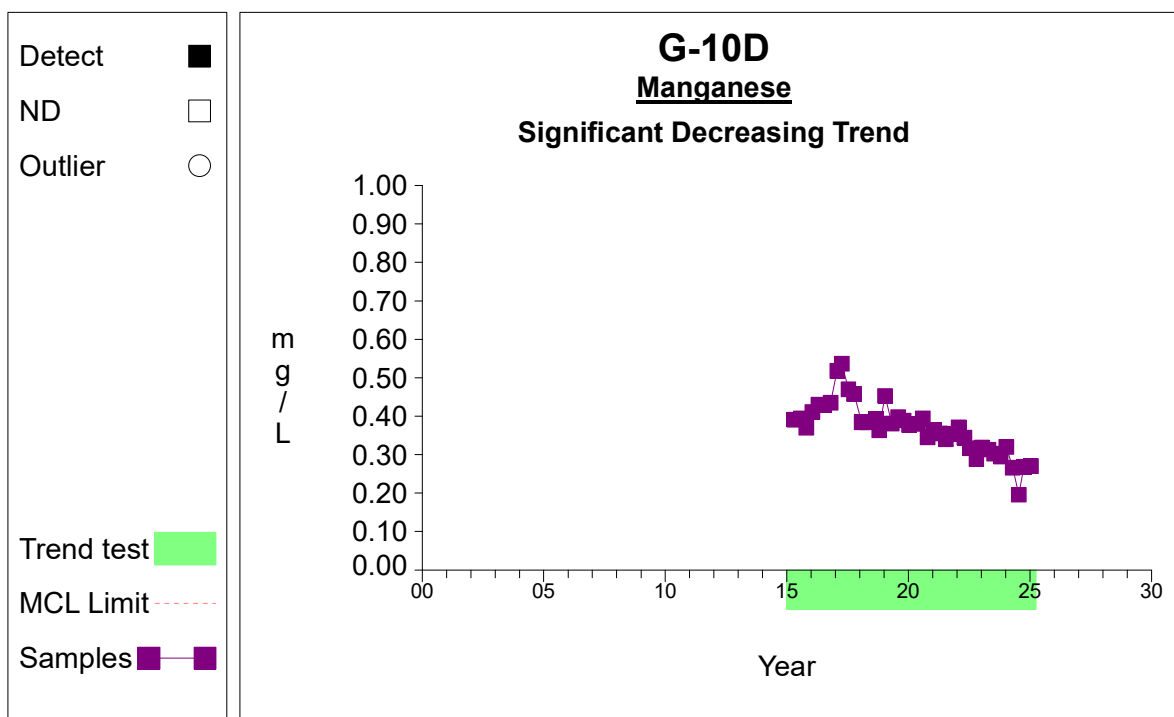
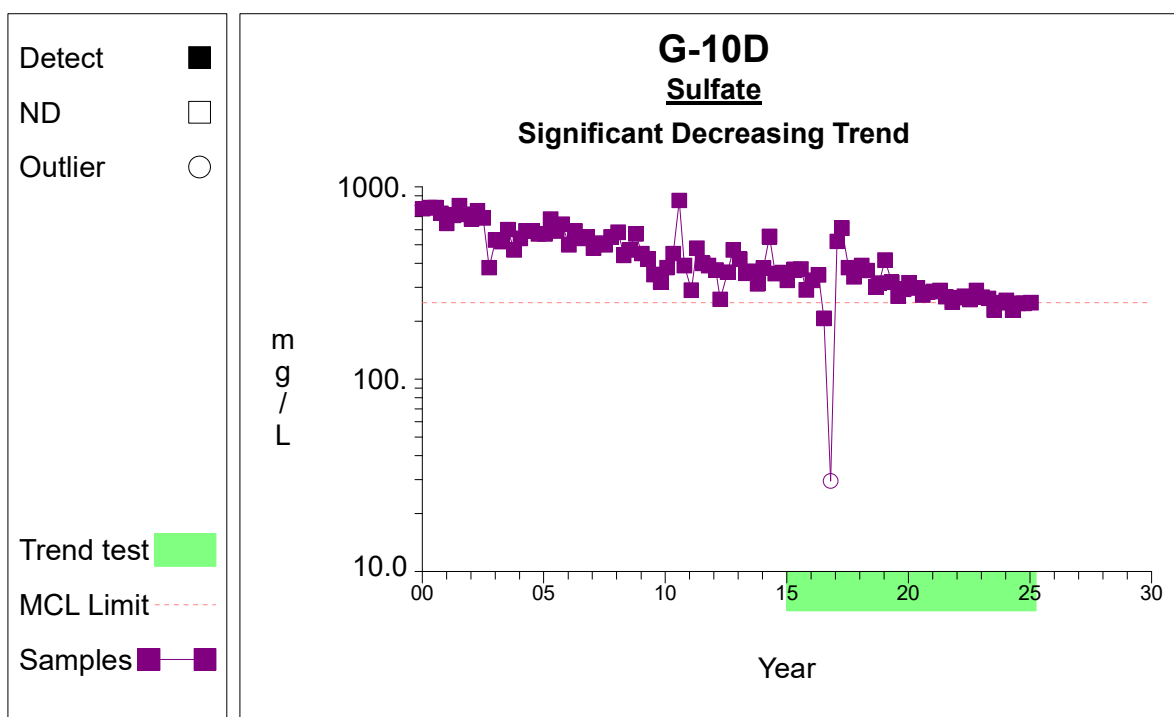
Time Series**Graph 140**Time Series**Graph 146**

Time Series**Graph 180**Time Series**Graph 185**

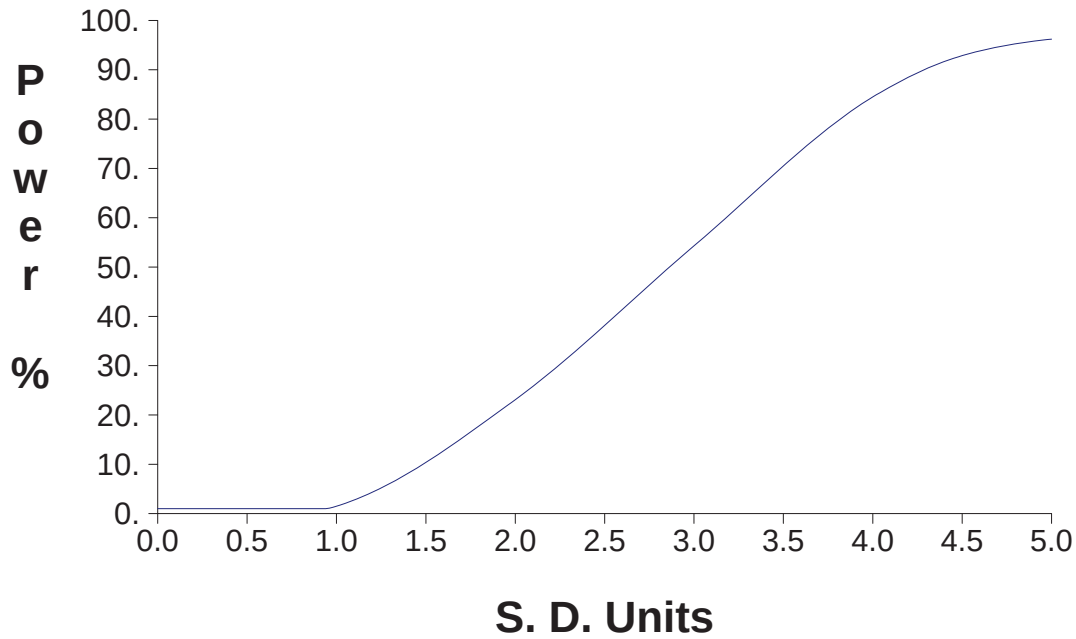
Time Series**Graph 186**Time Series**Graph 187**



Time Series**Graph 188**Time Series**Graph 191**

Time Series**Graph 193**Time Series**Graph 199**

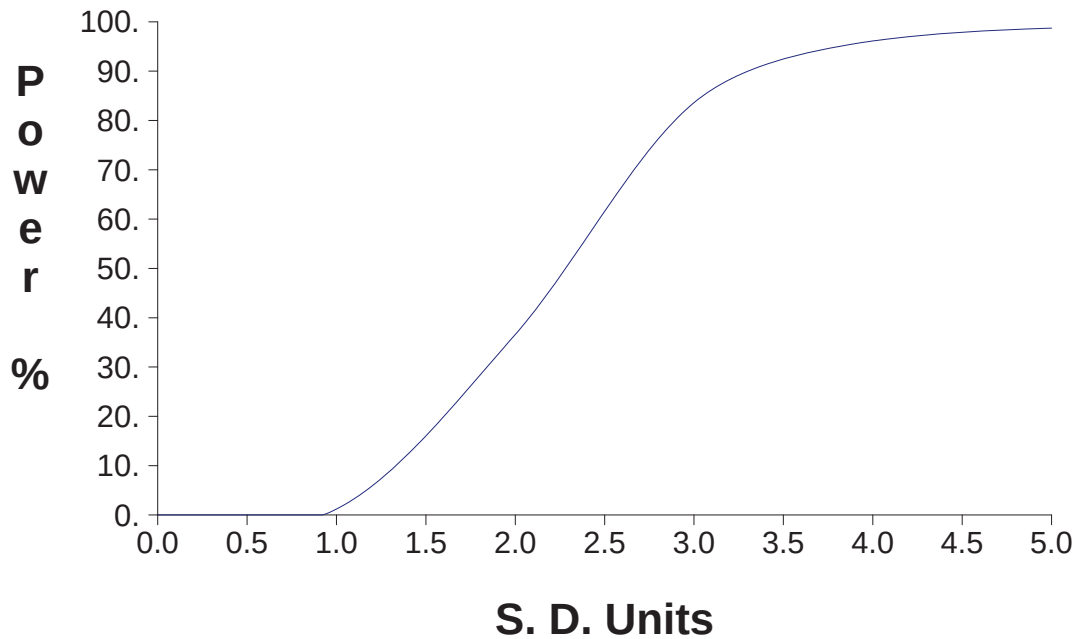
## False Positive and False Negative Rates for Current Intra-Well Prediction Limits Monitoring Program



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1

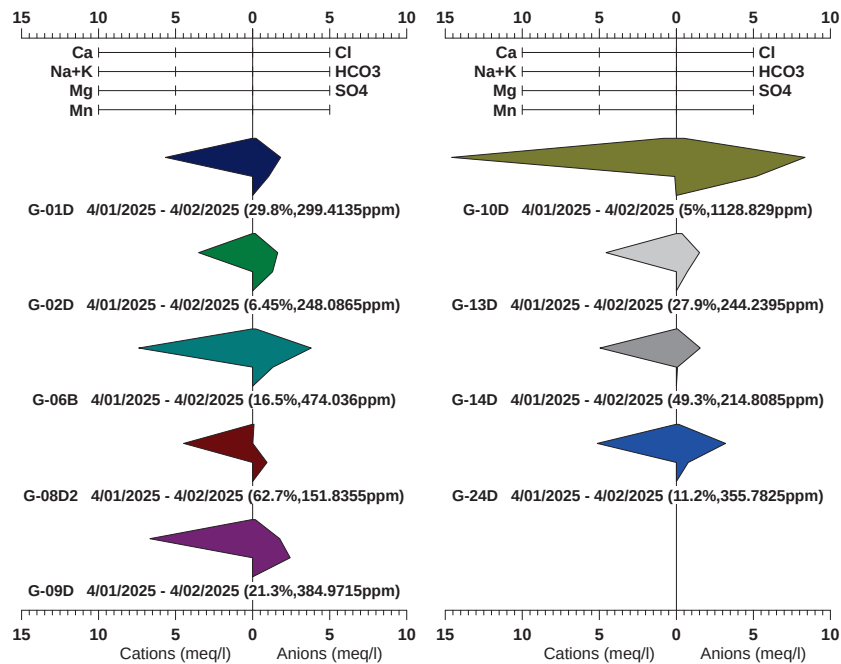
## False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program



Prepared by: Snohomish County Solid Waste

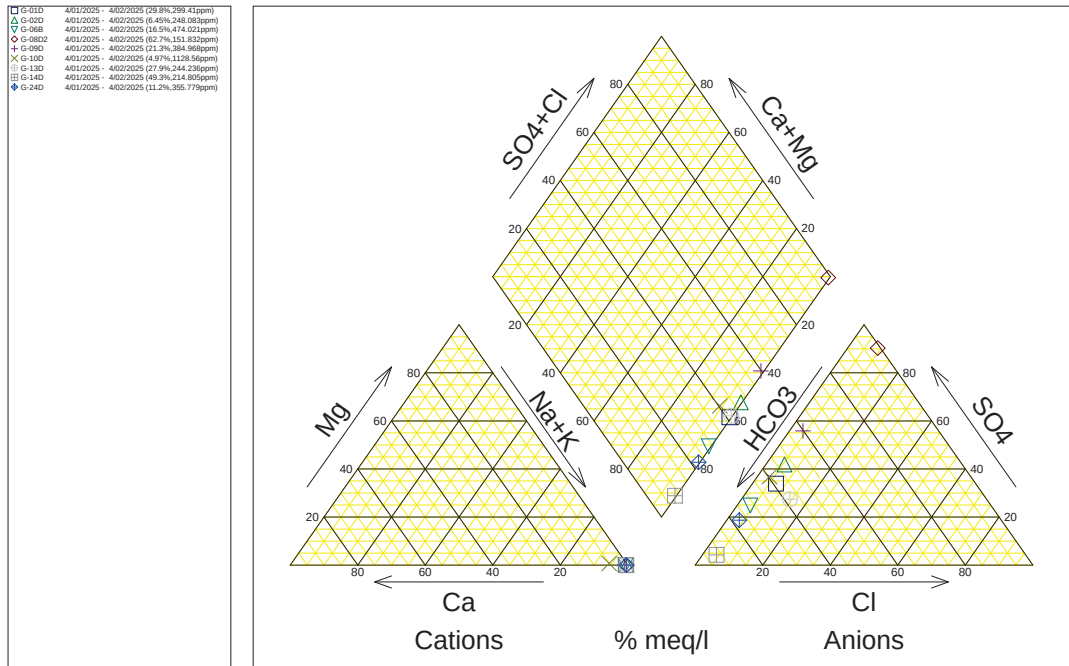
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**Cathcart Landfill**

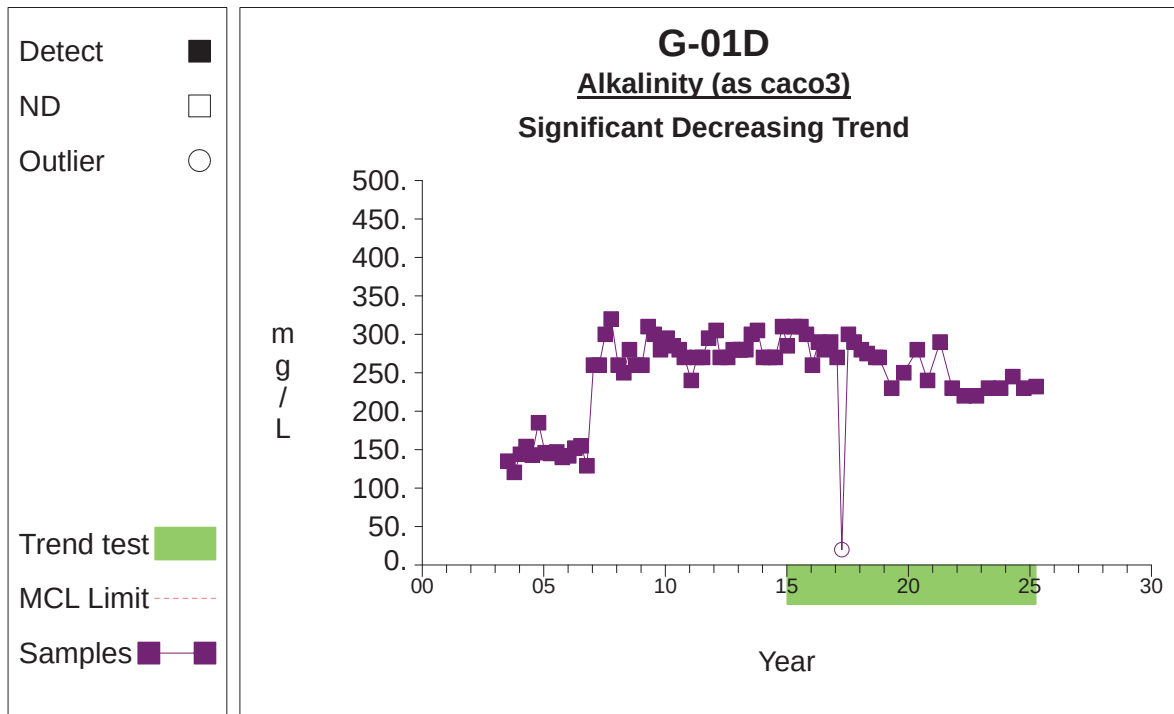


Prepared by: Snohomish County Solid Waste

**Cathcart Landfill**

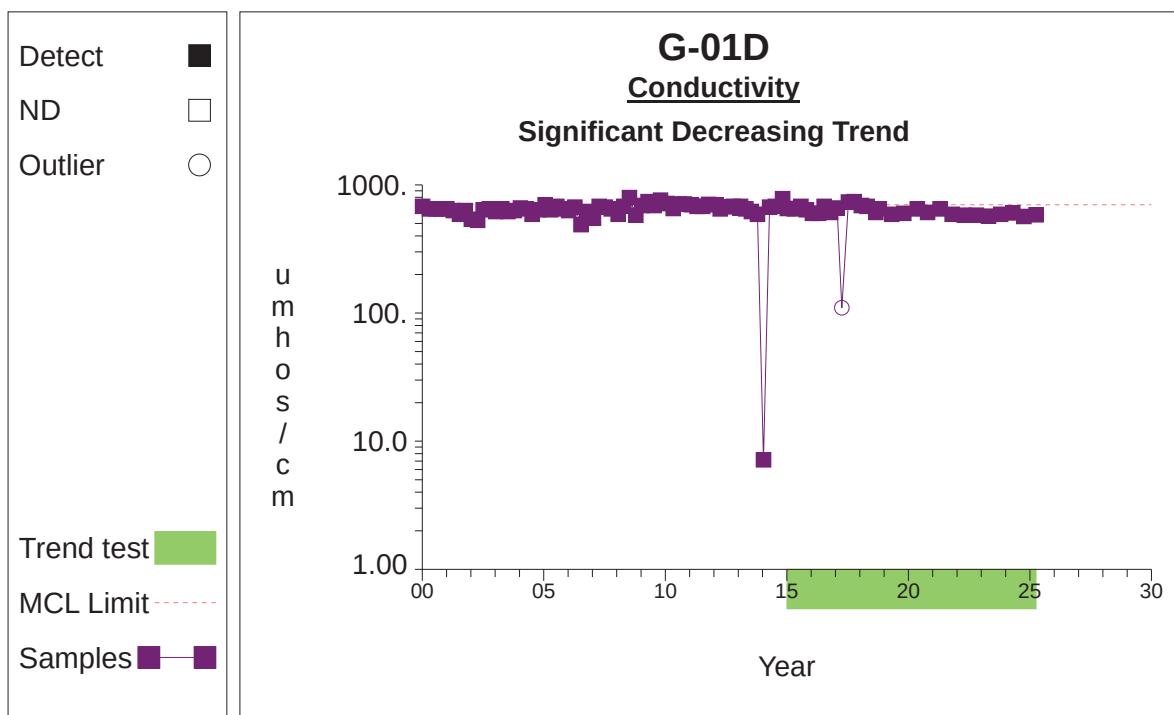


Prepared by: Snohomish County Solid Waste

Time Series**Graph 1**

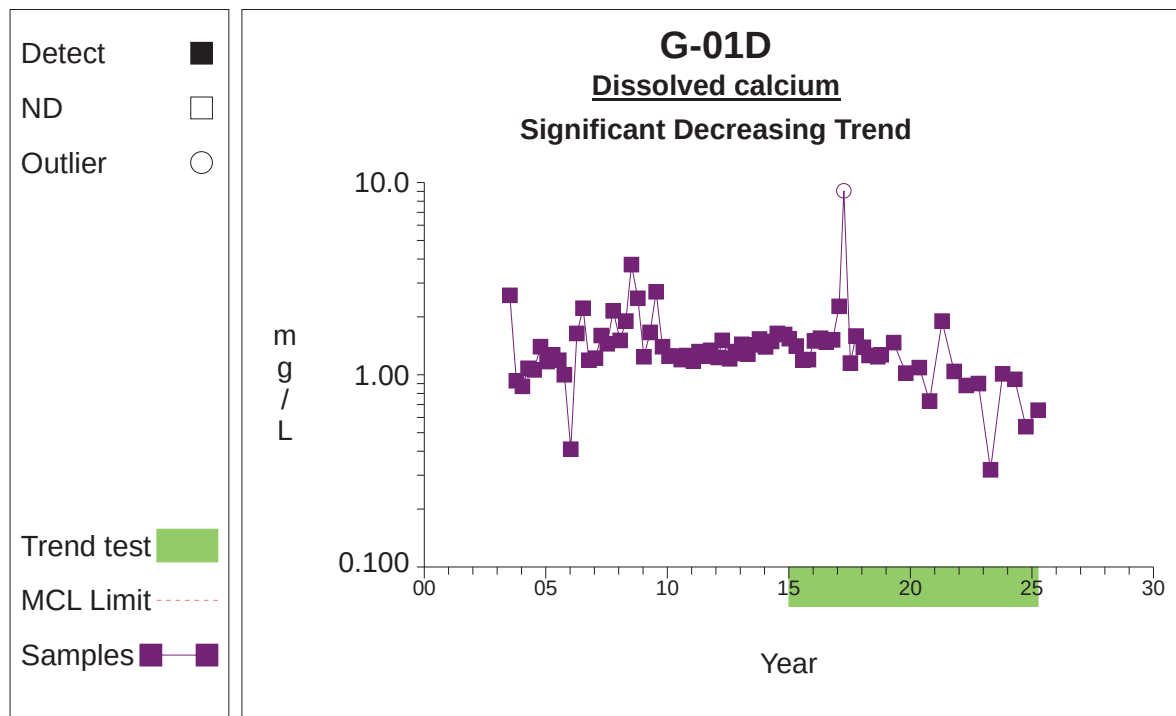
Prepared by: Snohomish County Solid Waste

1

Time Series**Graph 13**

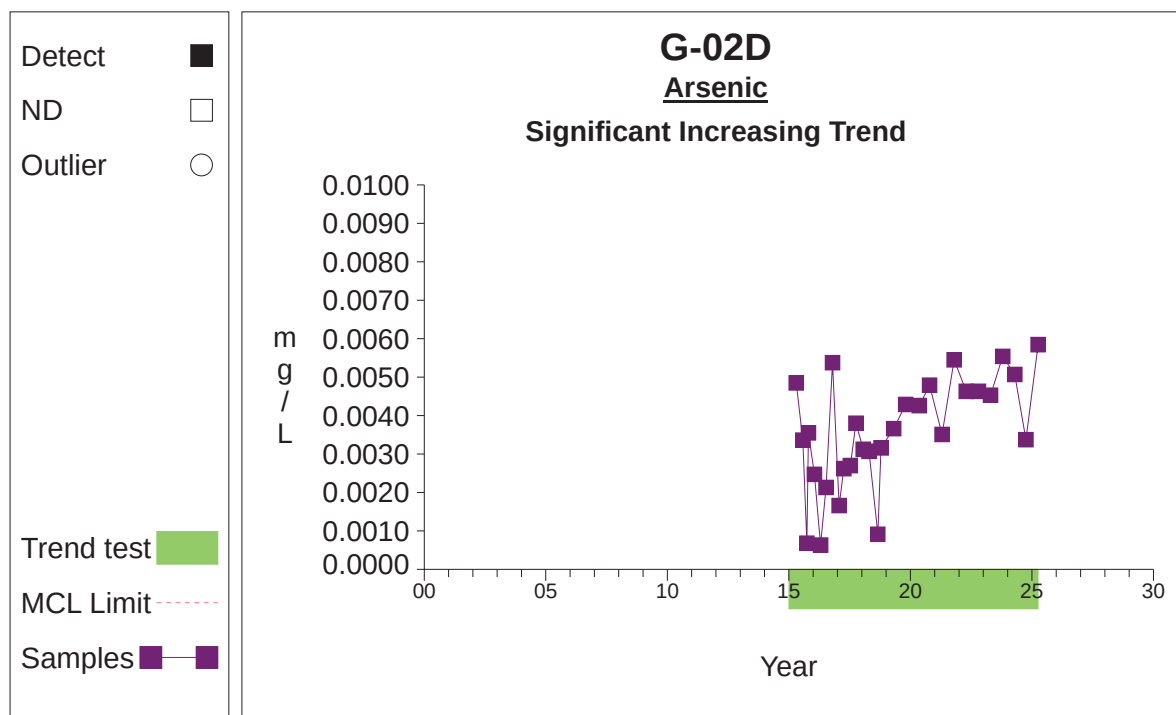
Prepared by: Snohomish County Solid Waste

2

Time Series**Graph 15**

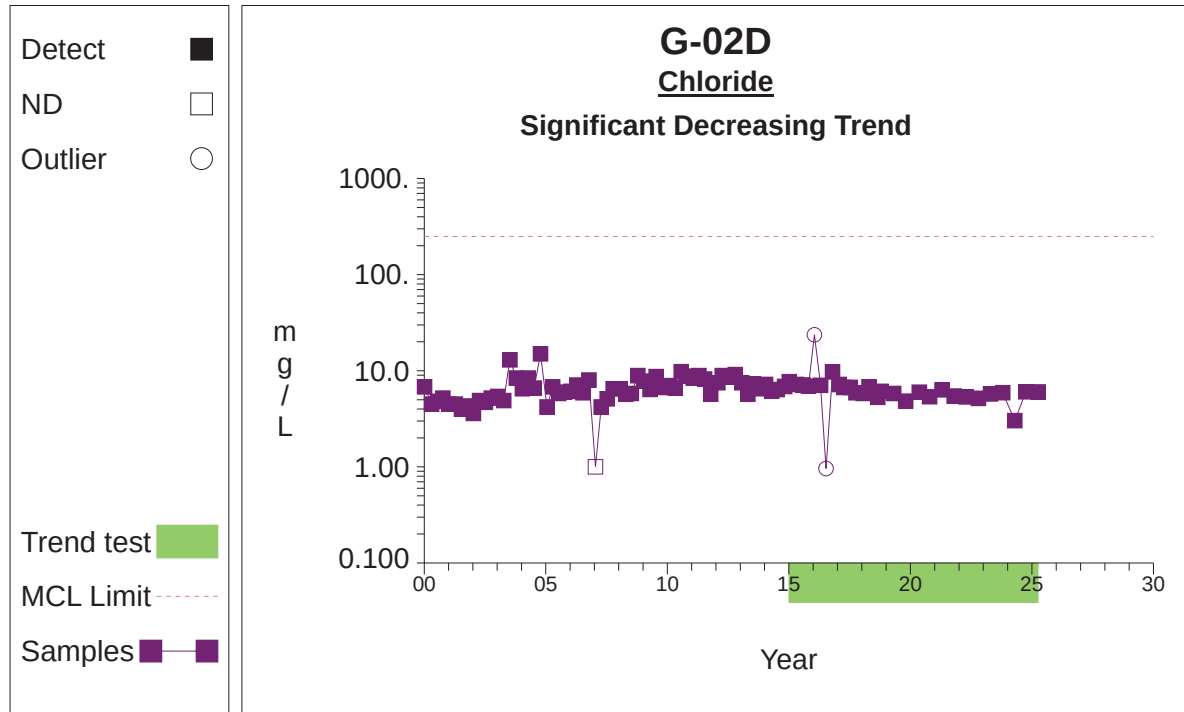
Prepared by: Snohomish County Solid Waste

3

Time Series**Graph 39**

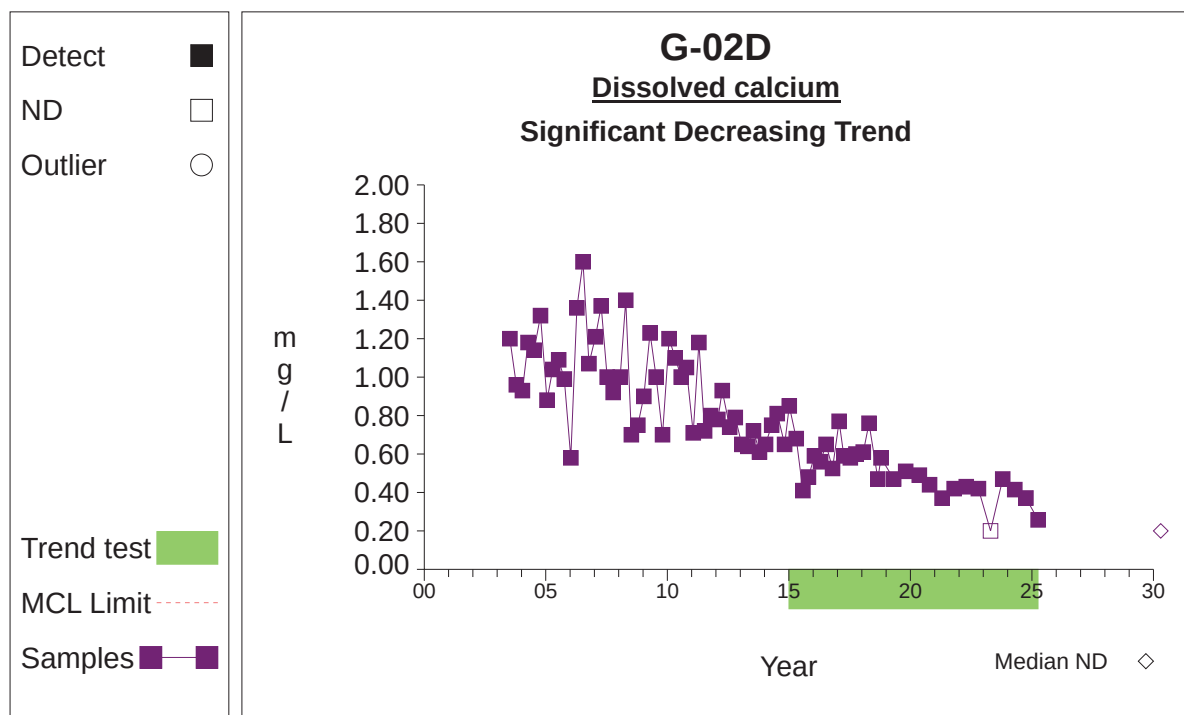
Prepared by: Snohomish County Solid Waste

4

Time Series**Graph 45**

Prepared by: Snohomish County Solid Waste

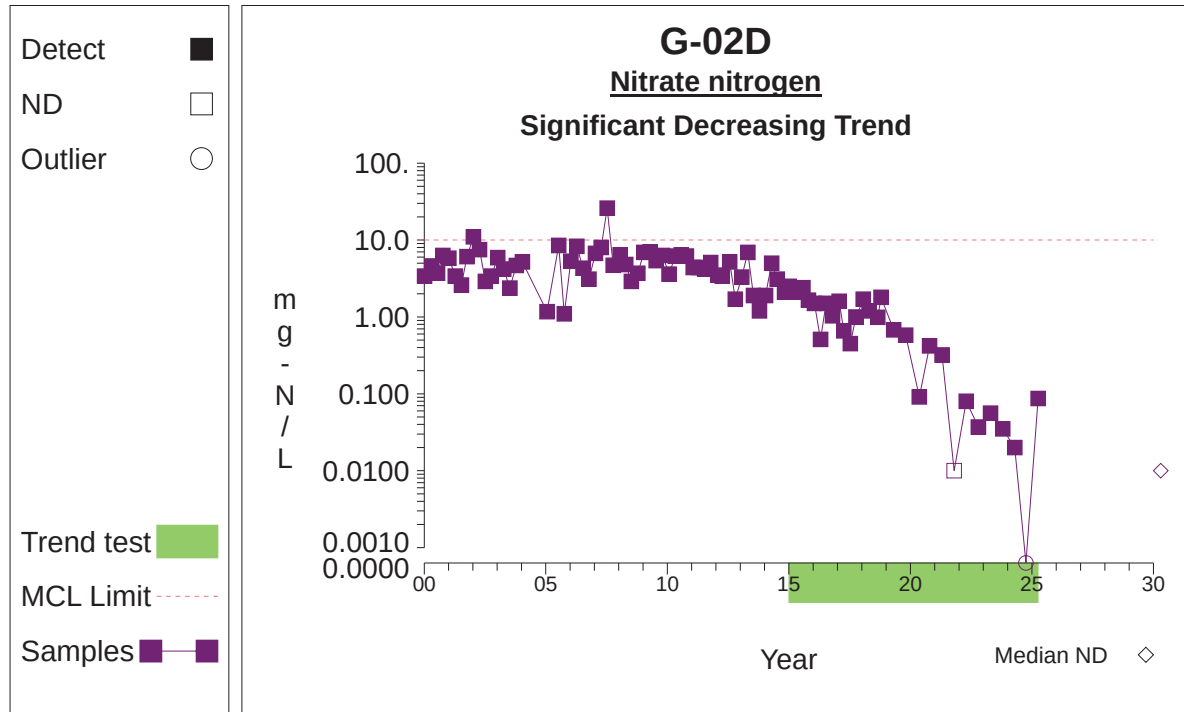
5

Time Series**Graph 50**

Prepared by: Snohomish County Solid Waste

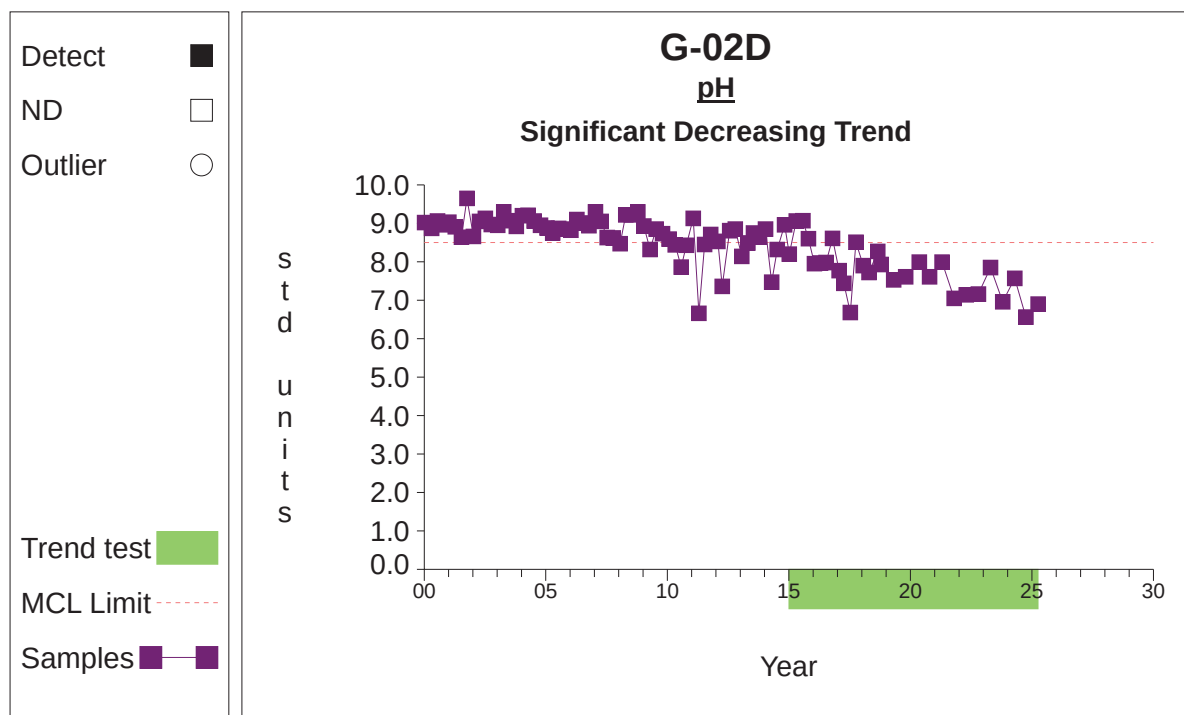
6



Time Series**Graph 60**

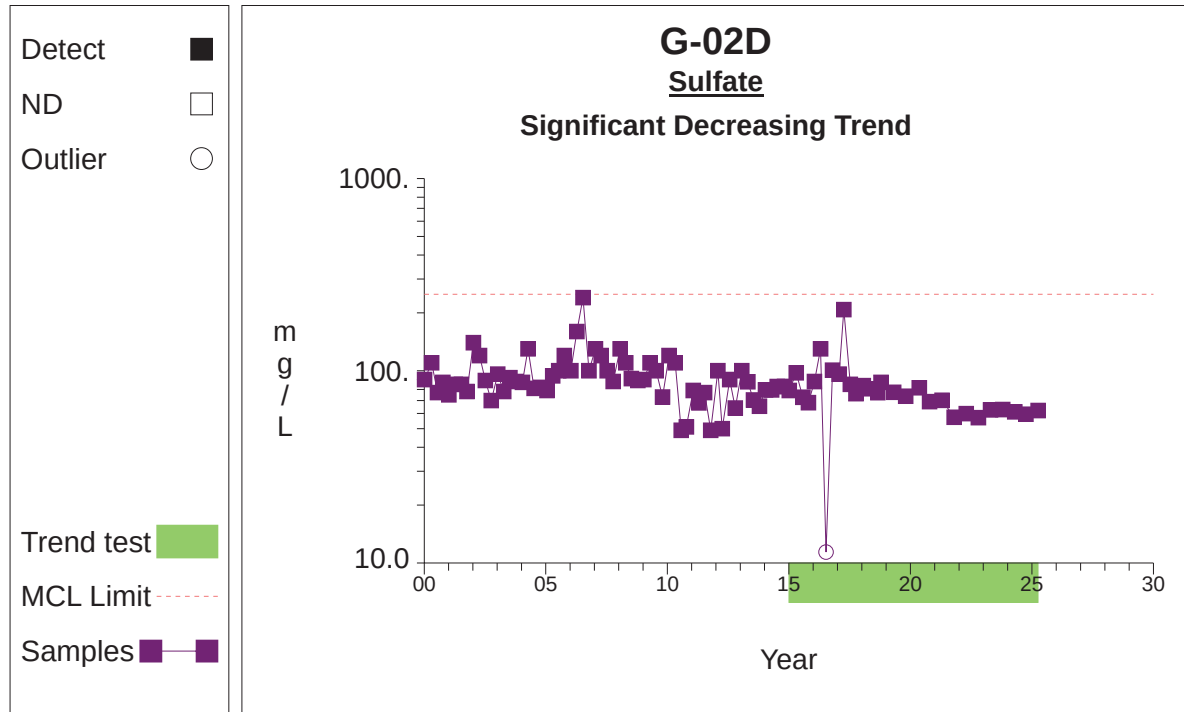
Prepared by: Snohomish County Solid Waste

7

Time Series**Graph 62**

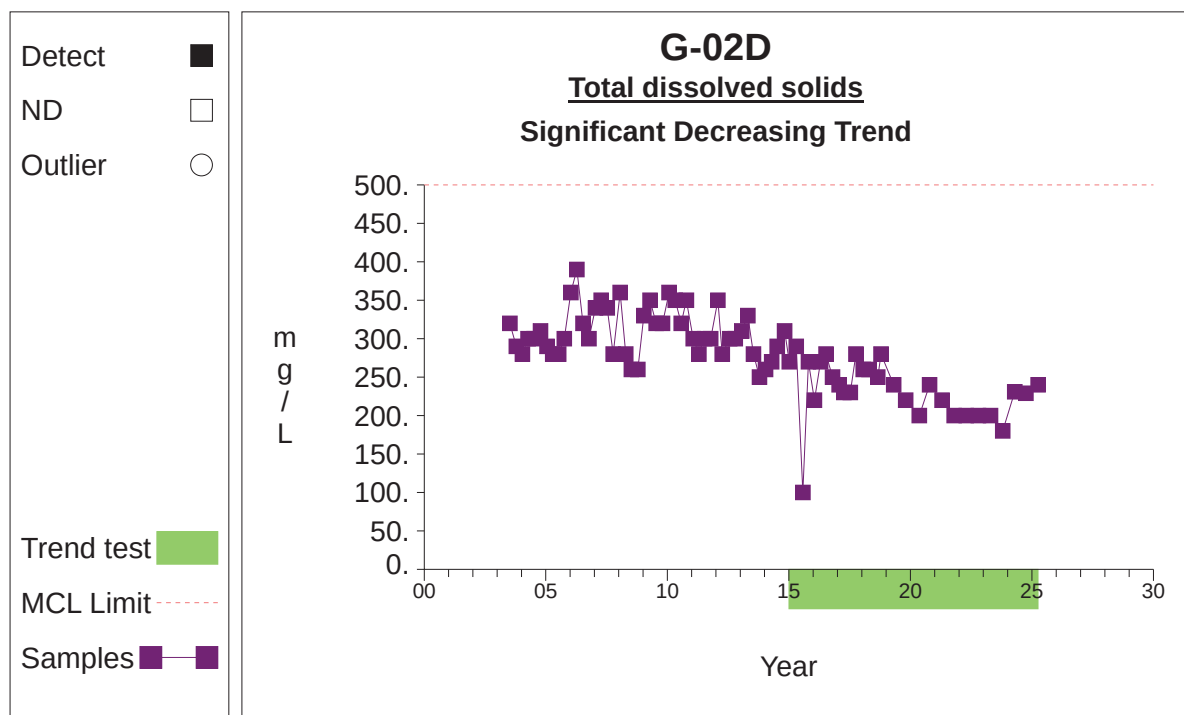
Prepared by: Snohomish County Solid Waste

8

Time Series**Graph 65**

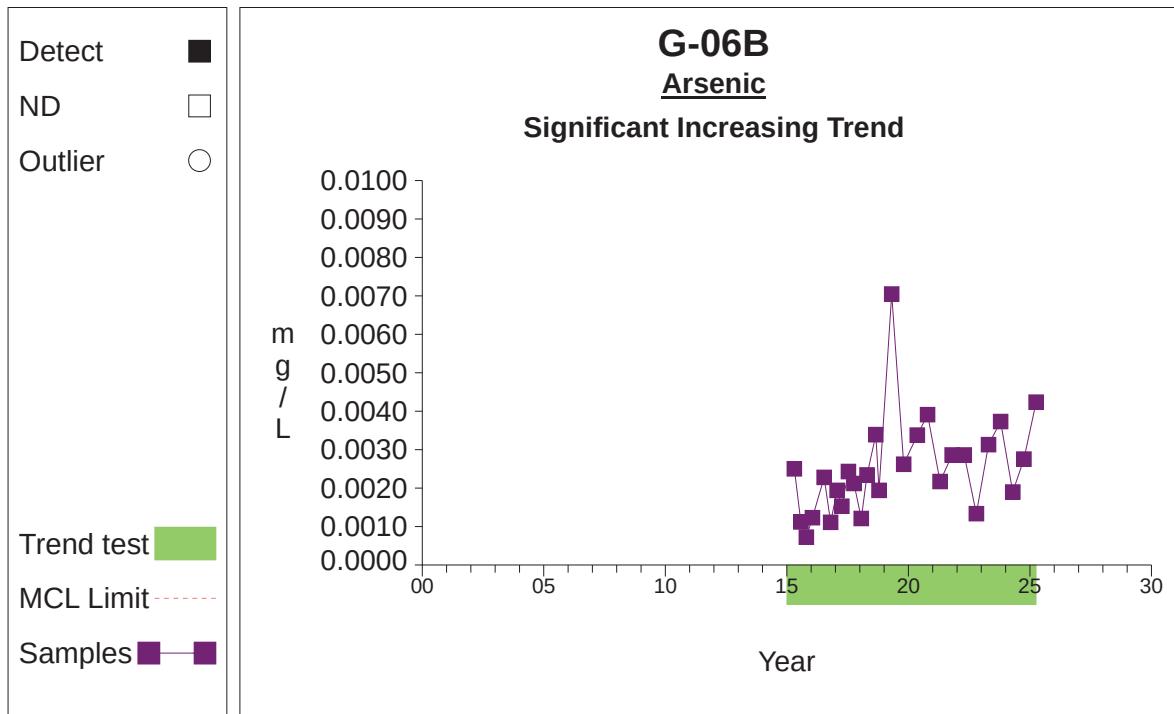
Prepared by: Snohomish County Solid Waste

9

Time Series**Graph 67**

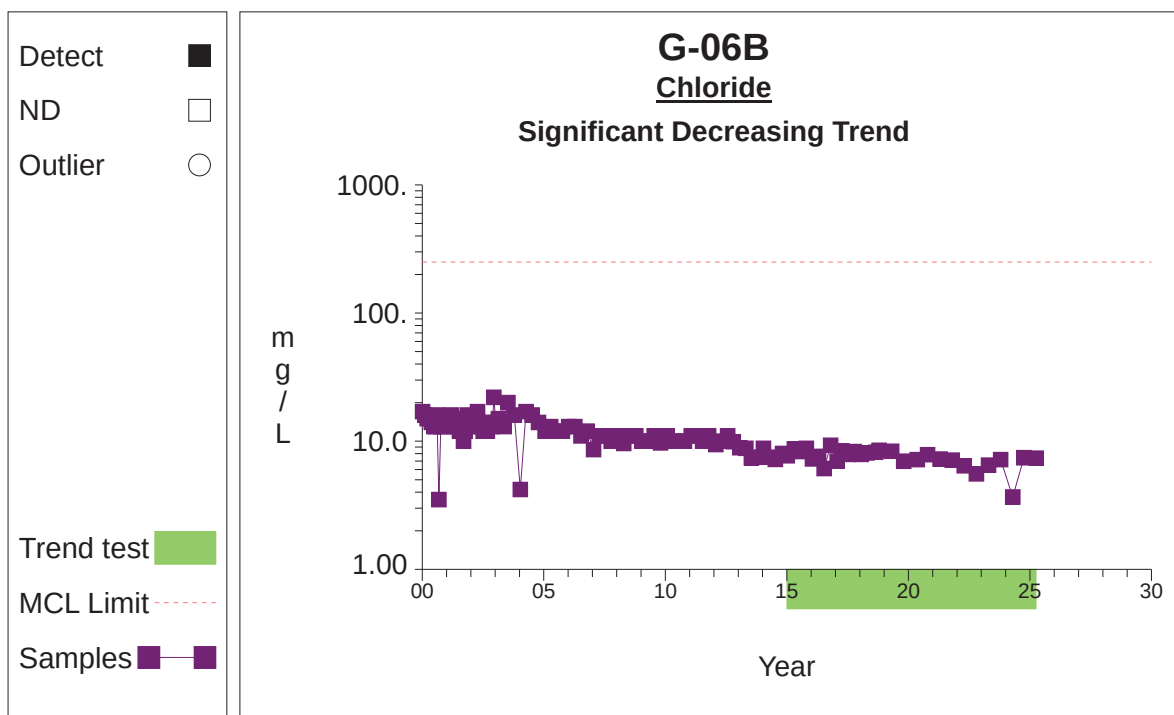
Prepared by: Snohomish County Solid Waste

10

Time Series**Graph 74**

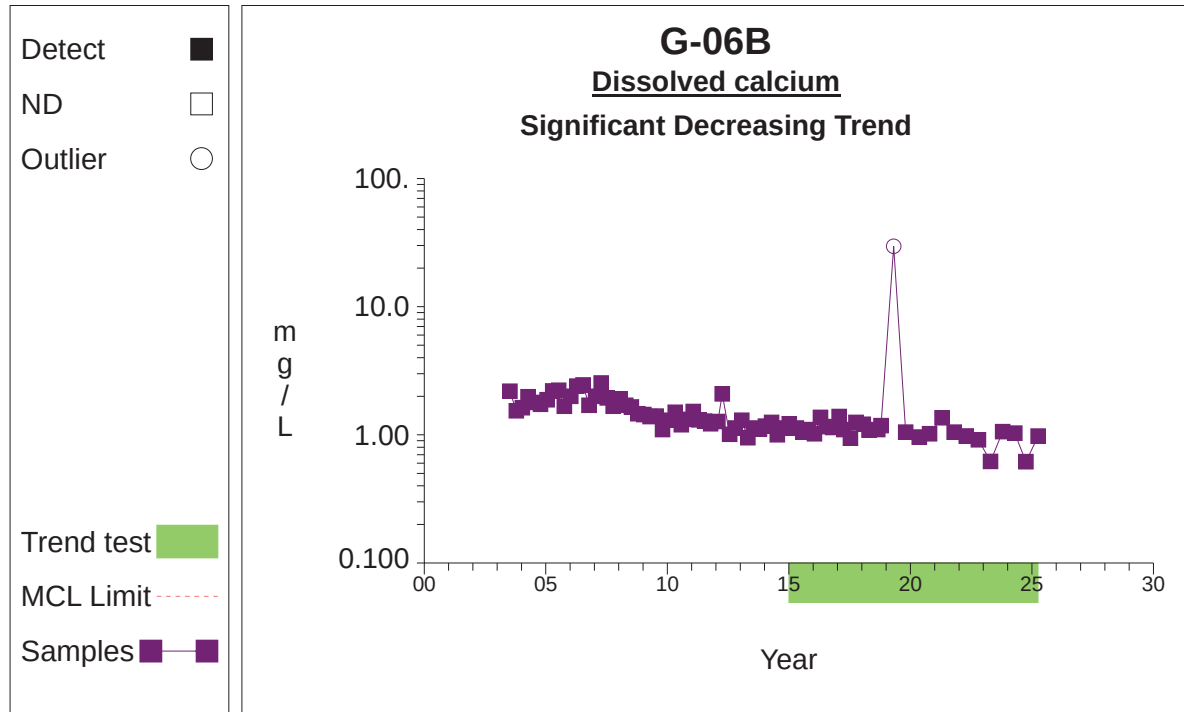
Prepared by: Snohomish County Solid Waste

11

Time Series**Graph 80**

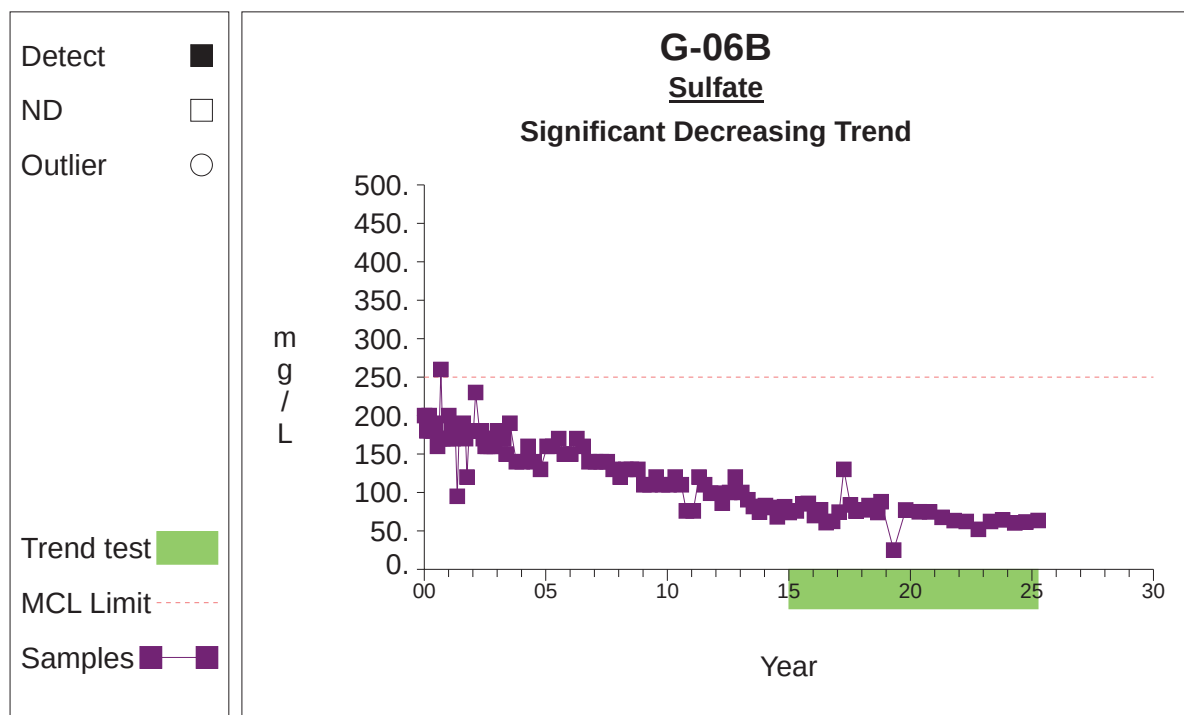
Prepared by: Snohomish County Solid Waste

12

Time Series**Graph 85**

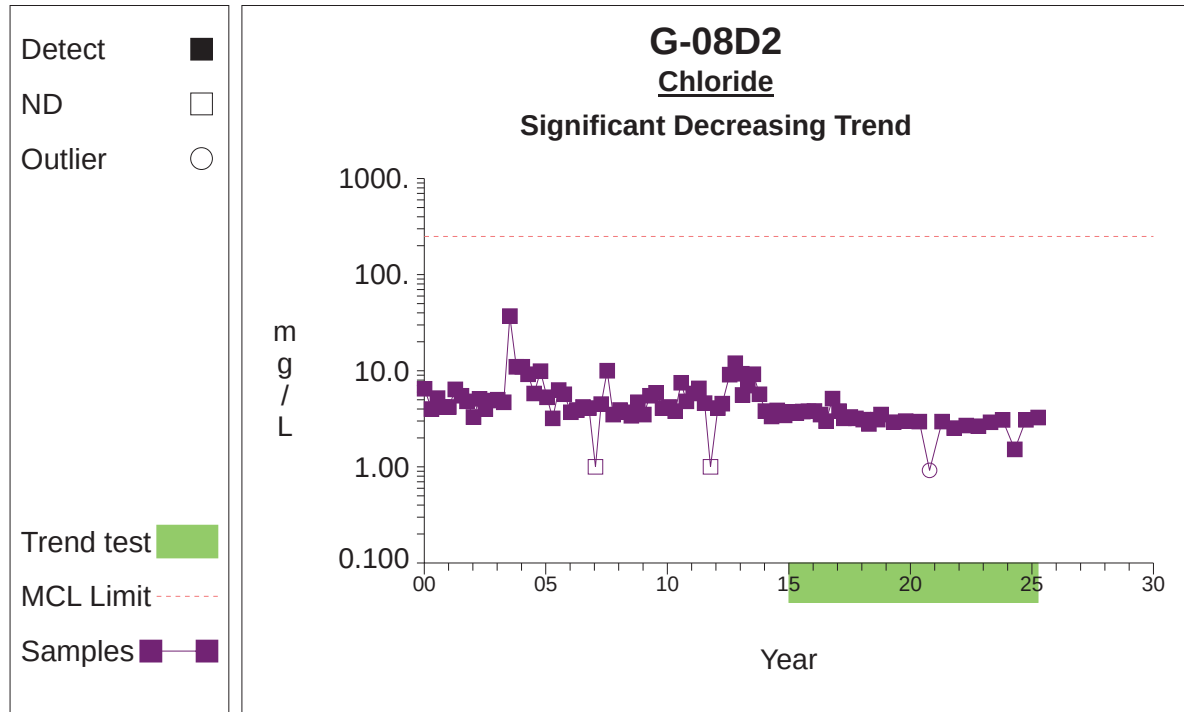
Prepared by: Snohomish County Solid Waste

13

Time Series**Graph 100**

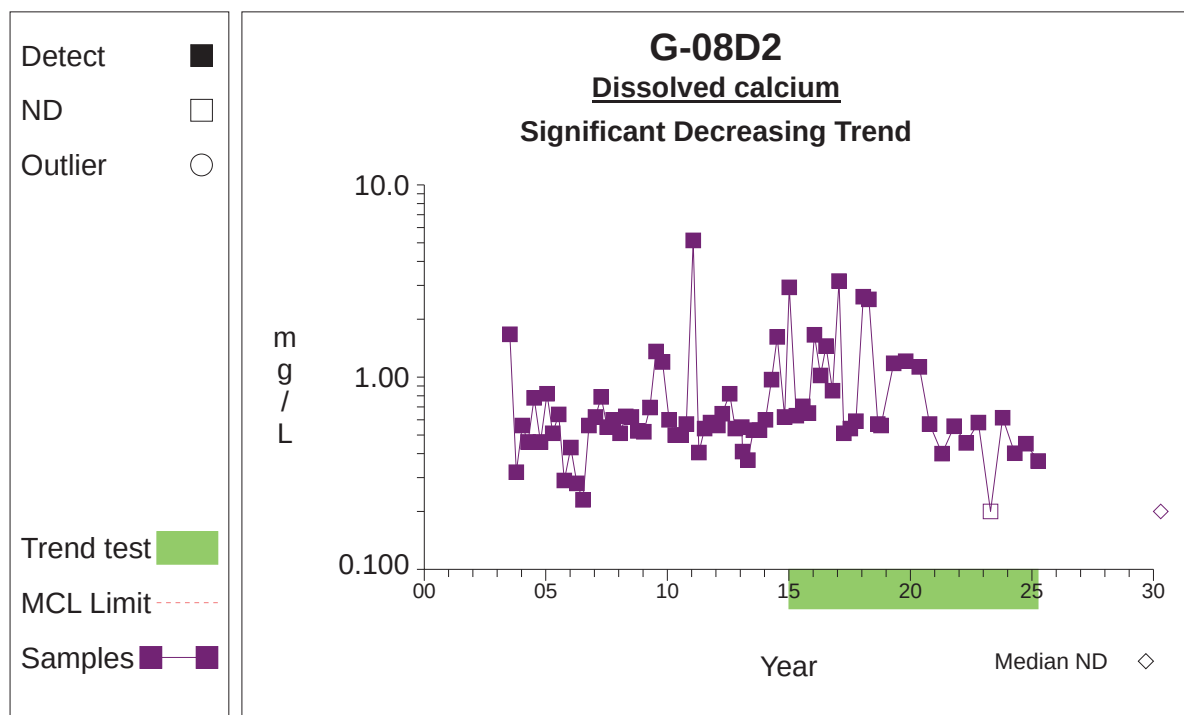
Prepared by: Snohomish County Solid Waste

14

Time Series**Graph 115**

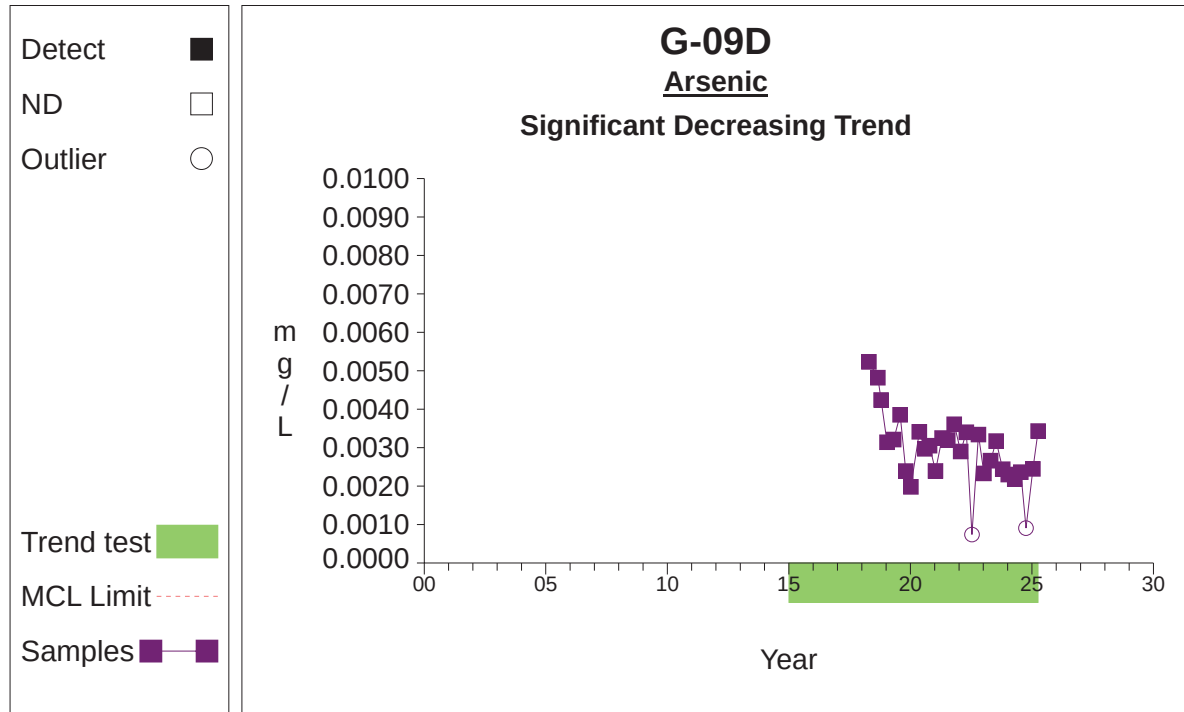
Prepared by: Snohomish County Solid Waste

15

Time Series**Graph 120**

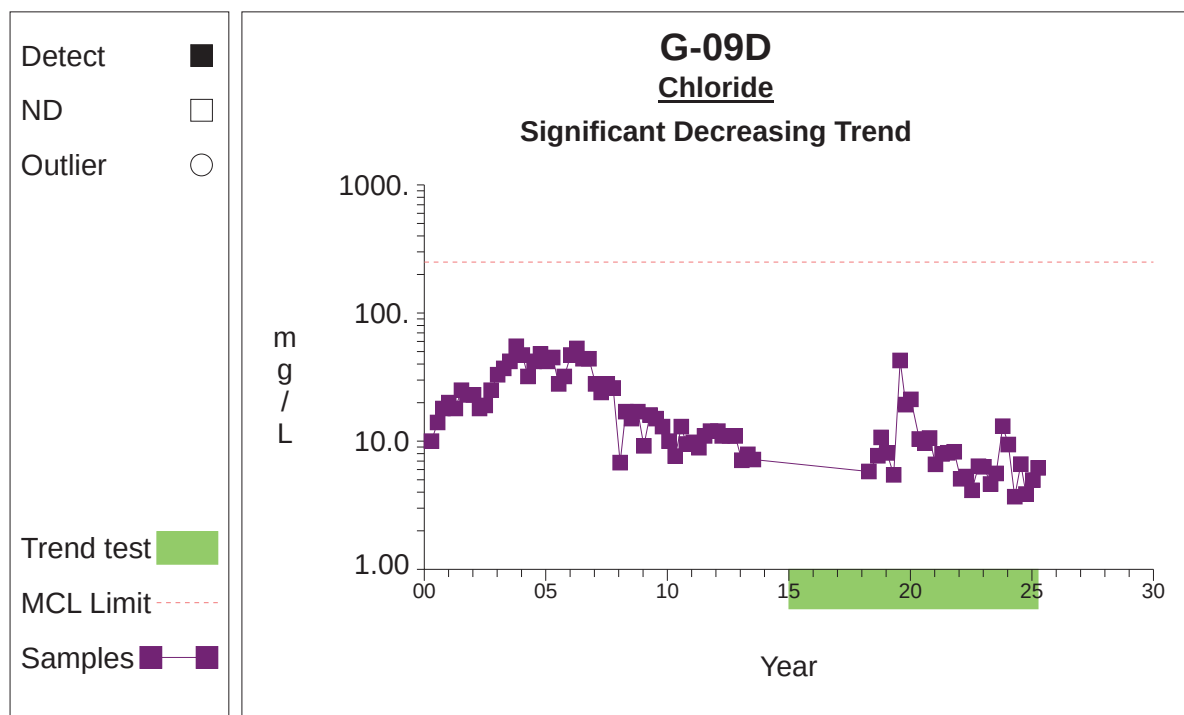
Prepared by: Snohomish County Solid Waste

16

Time Series**Graph 144**

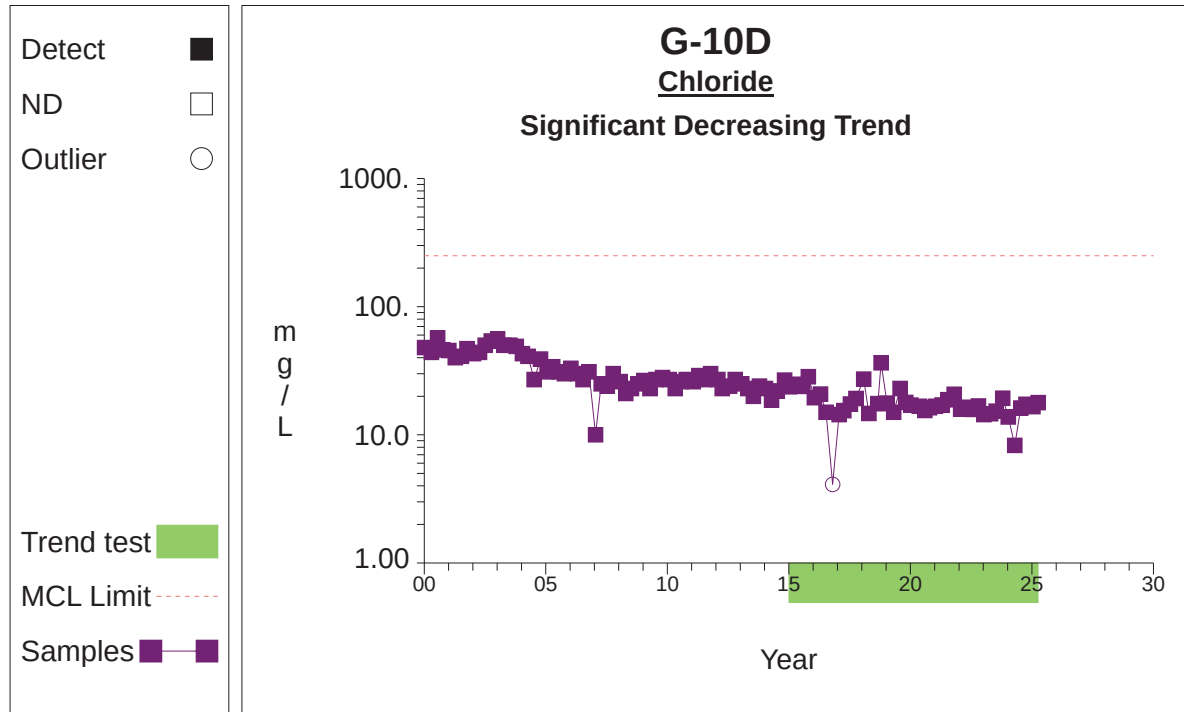
Prepared by: Snohomish County Solid Waste

17

Time Series**Graph 150**

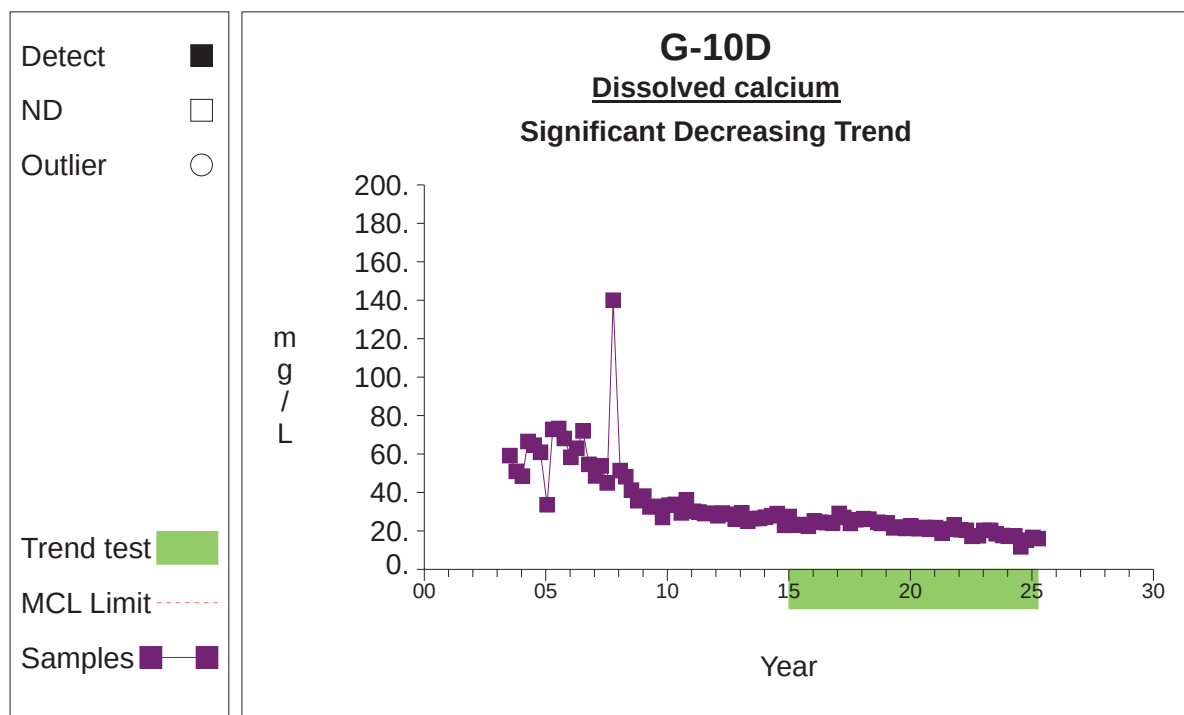
Prepared by: Snohomish County Solid Waste

18

Time Series**Graph 185**

Prepared by: Snohomish County Solid Waste

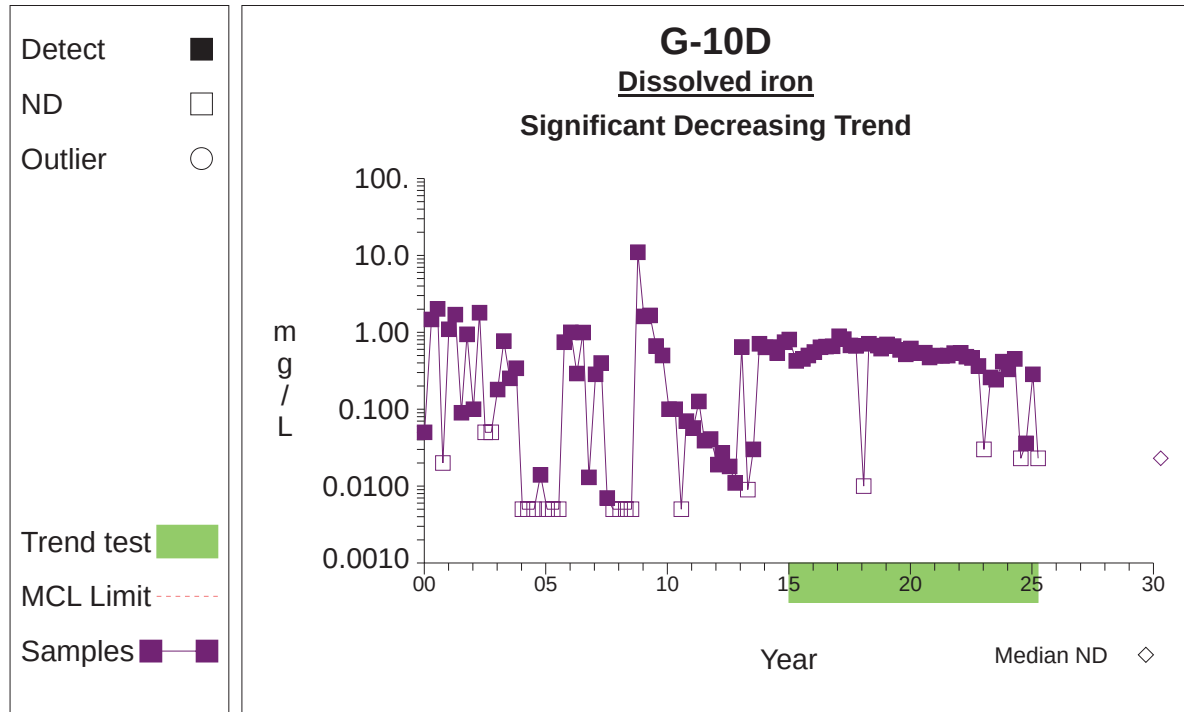
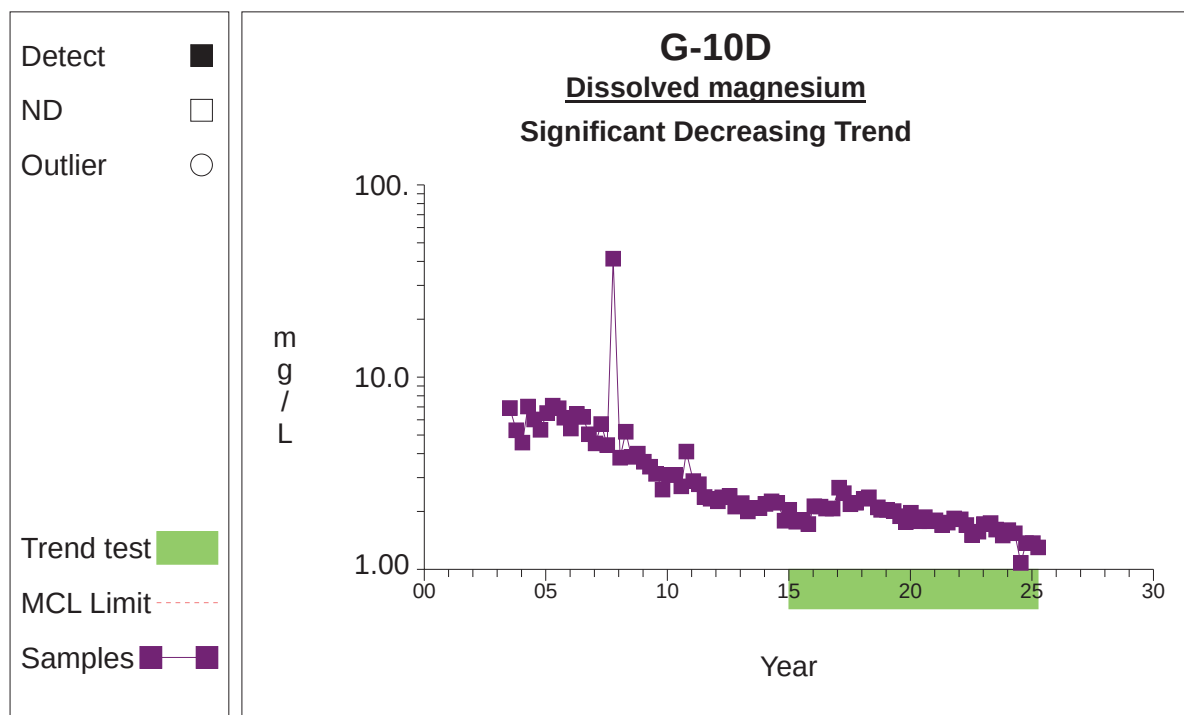
19

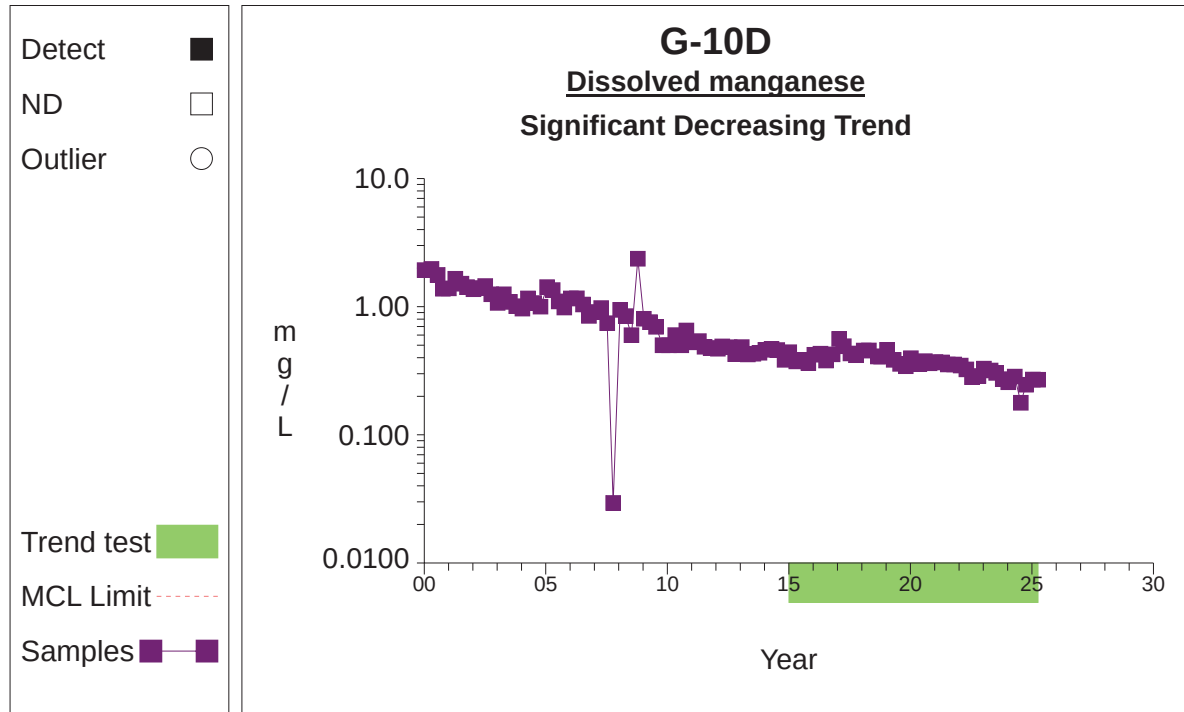
Time Series**Graph 190**

Prepared by: Snohomish County Solid Waste

20

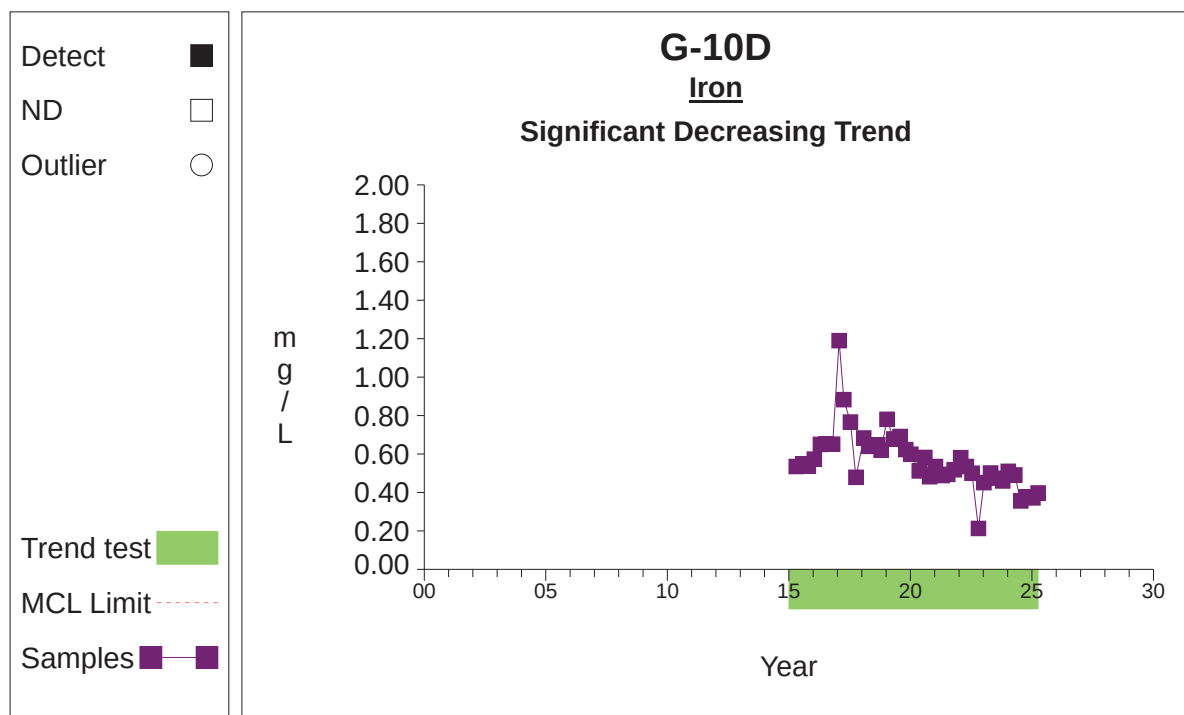


Time Series**Graph 191**Time Series**Graph 192**

Time Series**Graph 193**

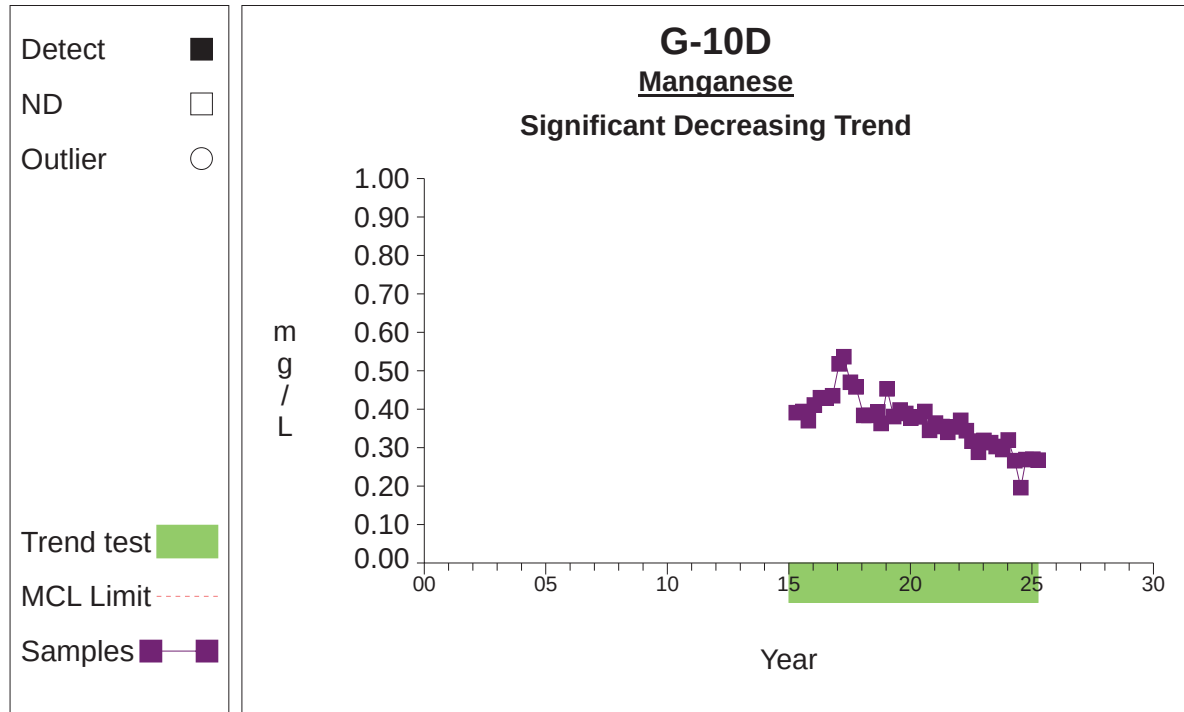
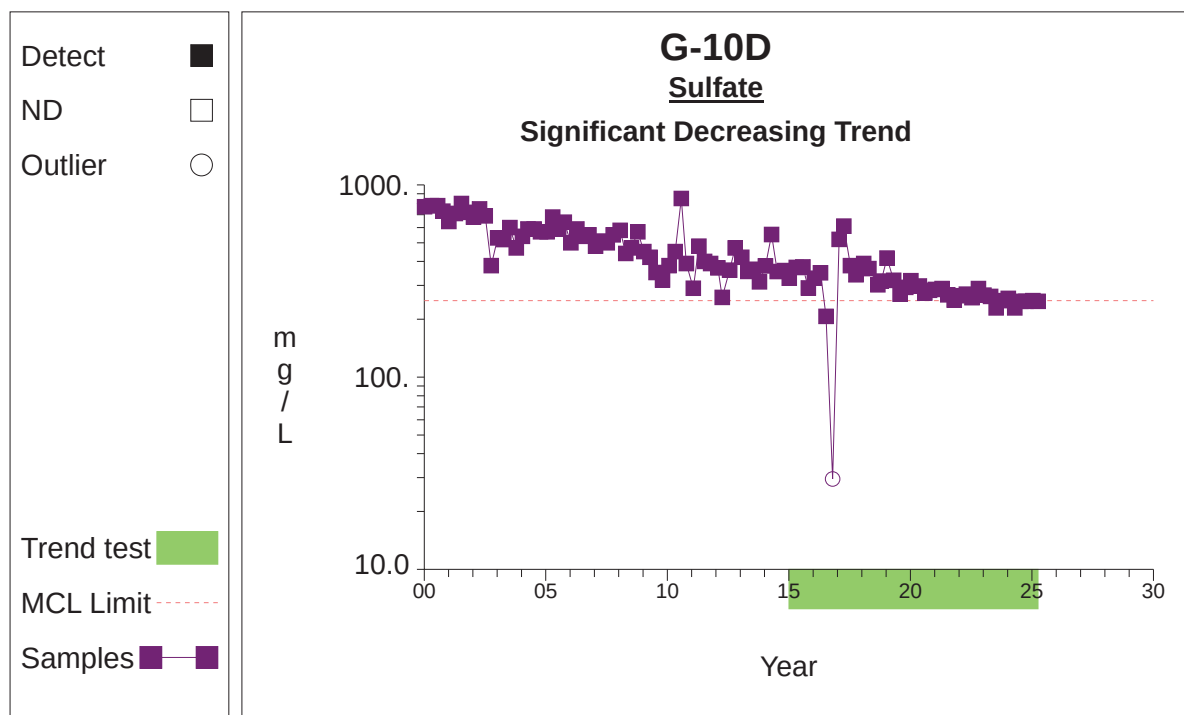
Prepared by: Snohomish County Solid Waste

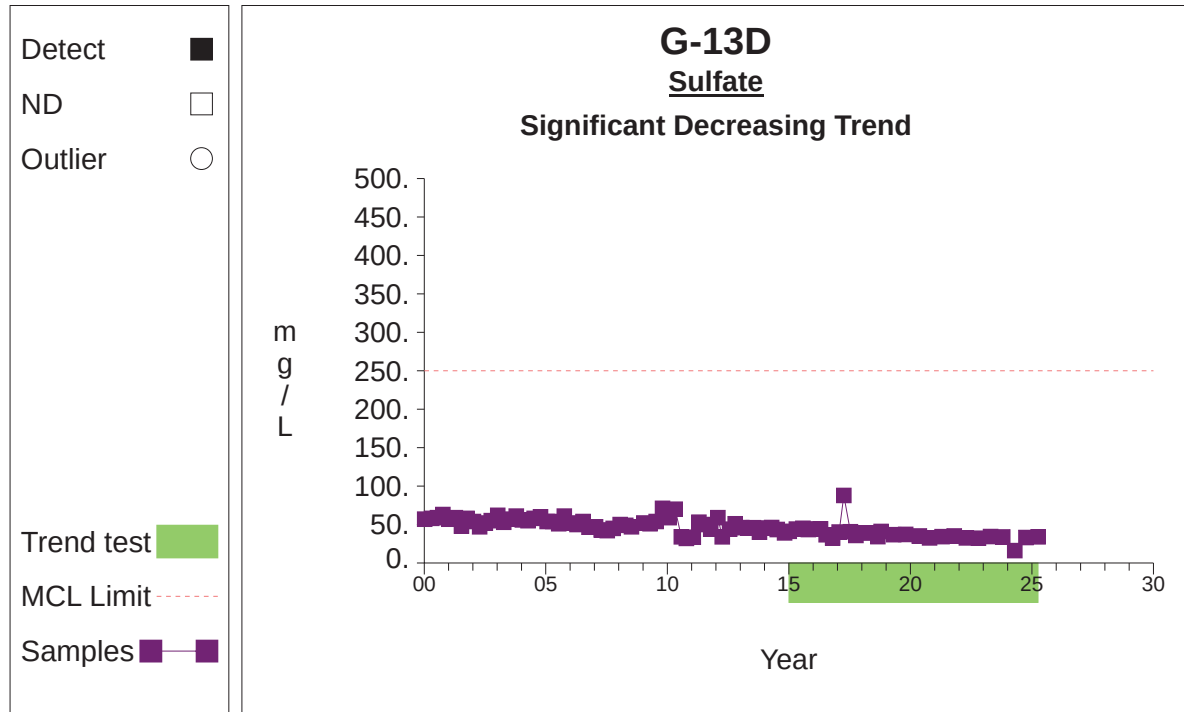
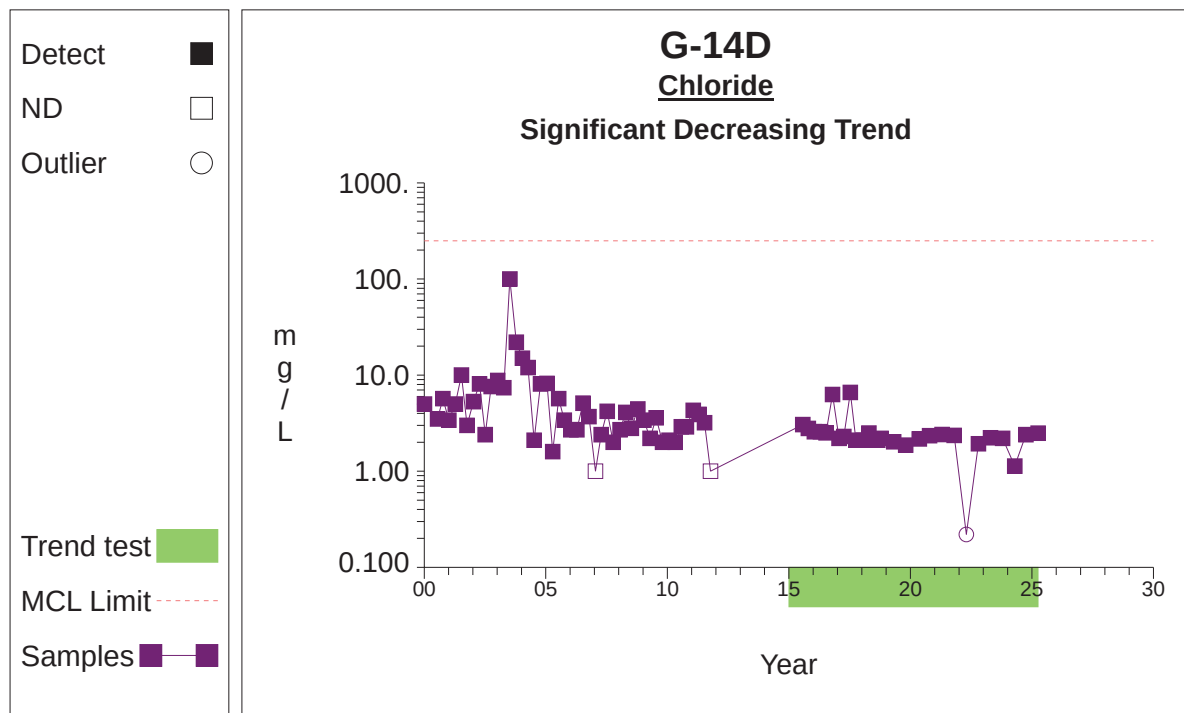
23

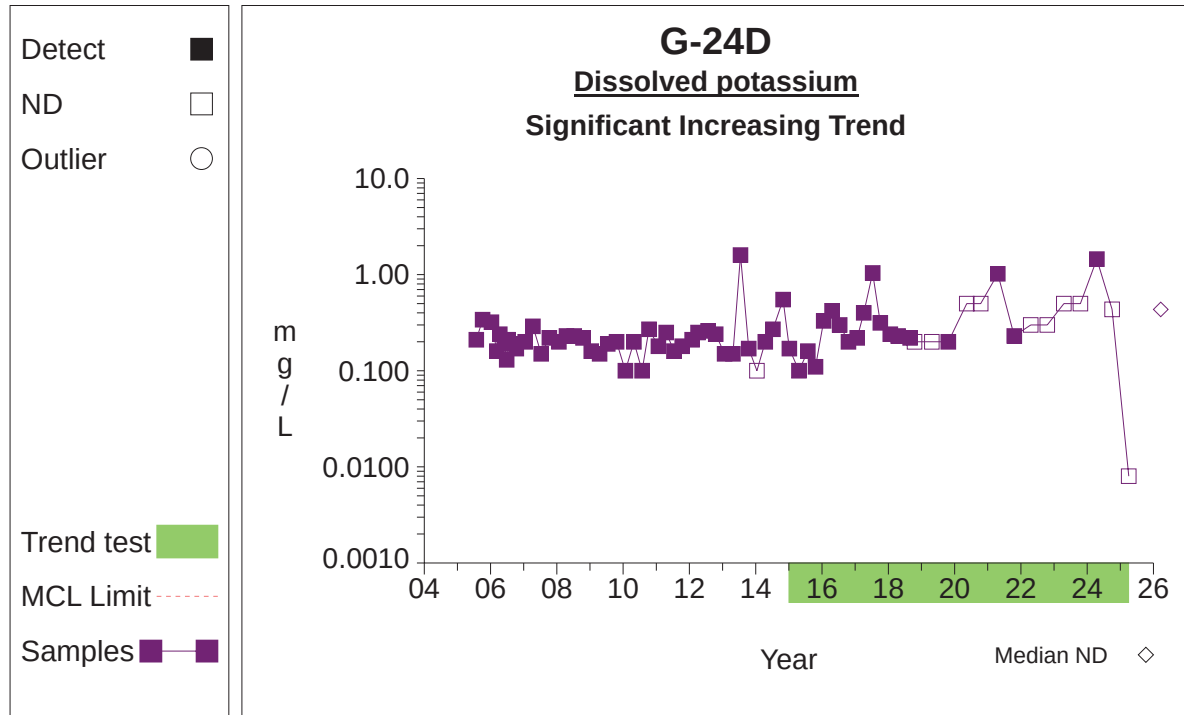
Time Series**Graph 196**

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24

Time Series**Graph 198**Time Series**Graph 205**

Time Series**Graph 240**Time Series**Graph 255**

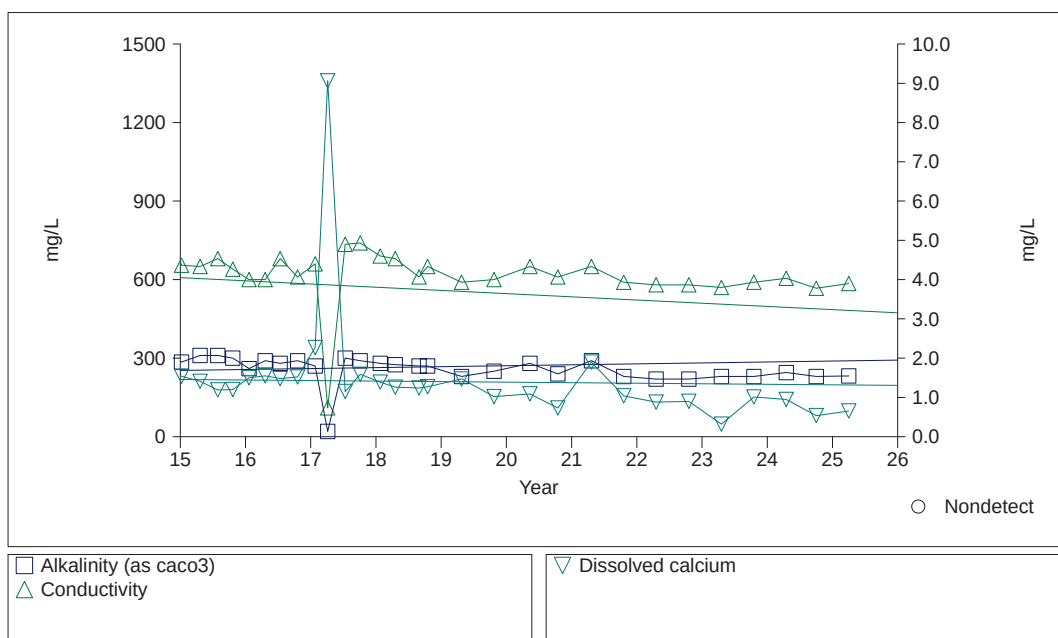
Time Series**Graph 299**

Prepared by: Snohomish County Solid Waste

29

Cathcart Landfill

Time Series Plot for G-01D

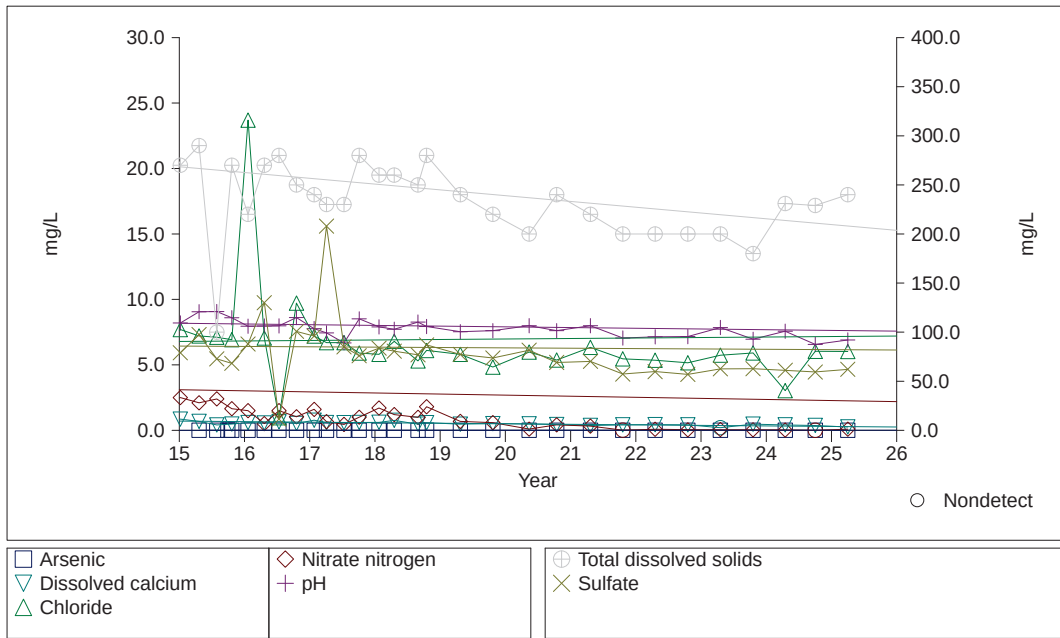


1

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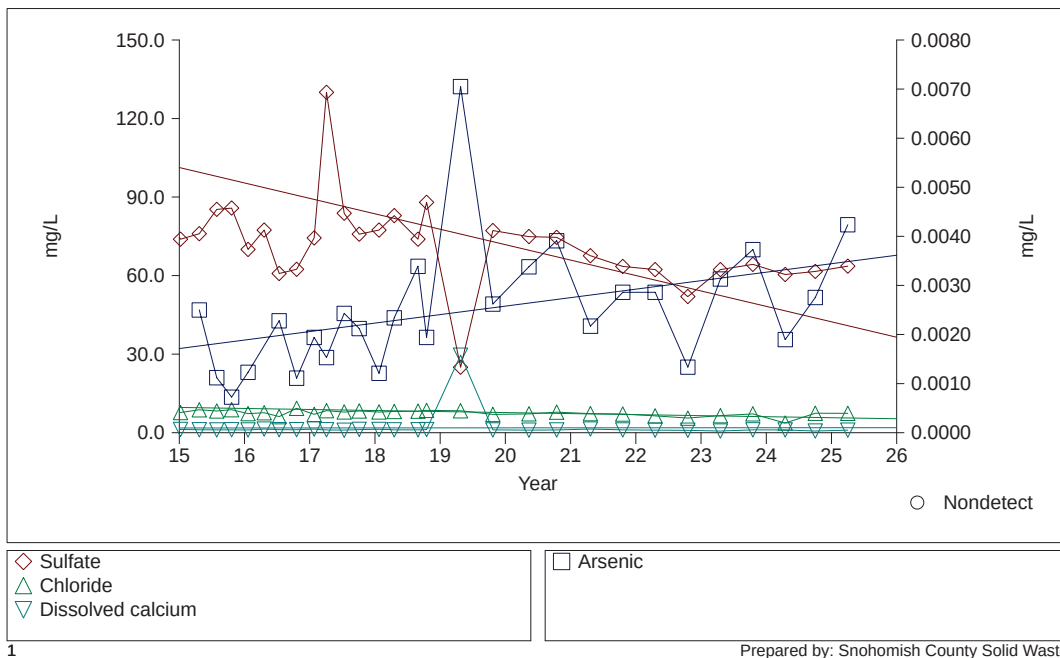
### Cathcart Landfill

Time Series Plot for G-02D



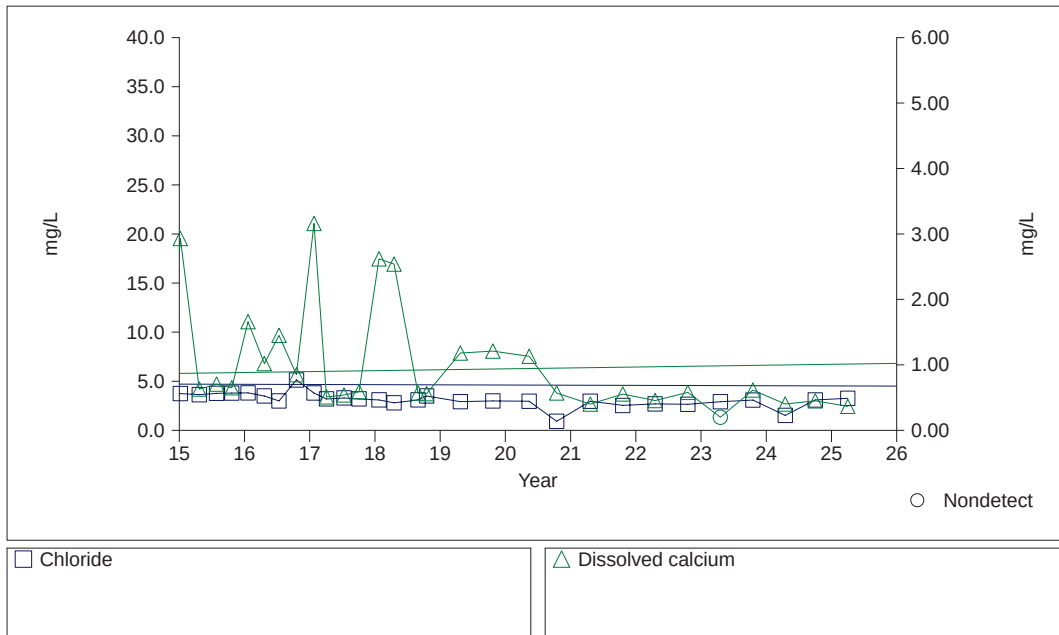
### Cathcart Landfill

Time Series Plot for G-06B



### Cathcart Landfill

Time Series Plot for G-08D2

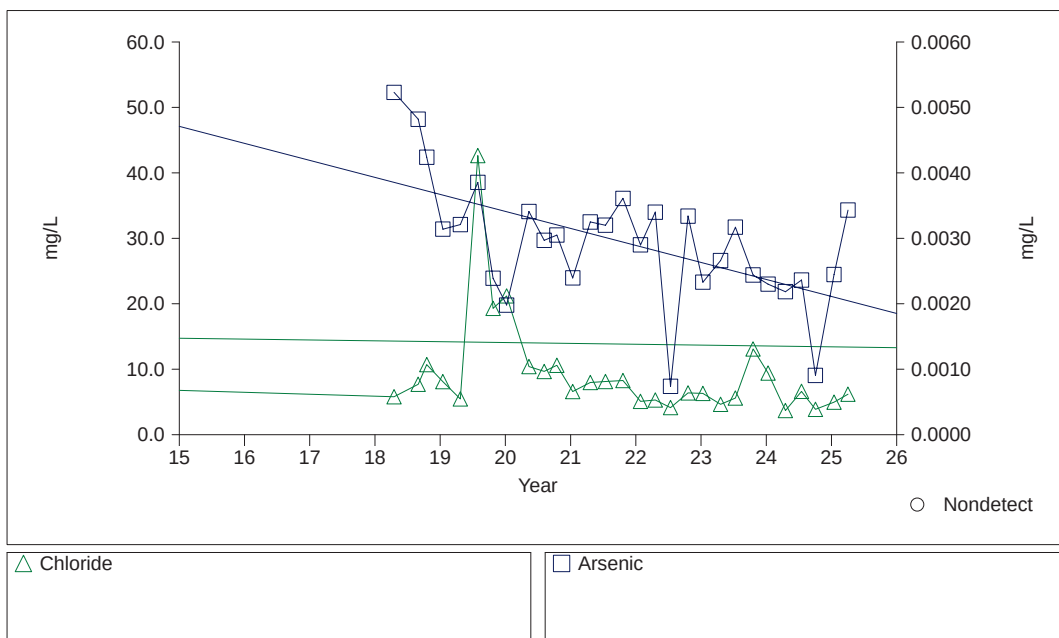


1

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### Cathcart Landfill

Time Series Plot for G-09D



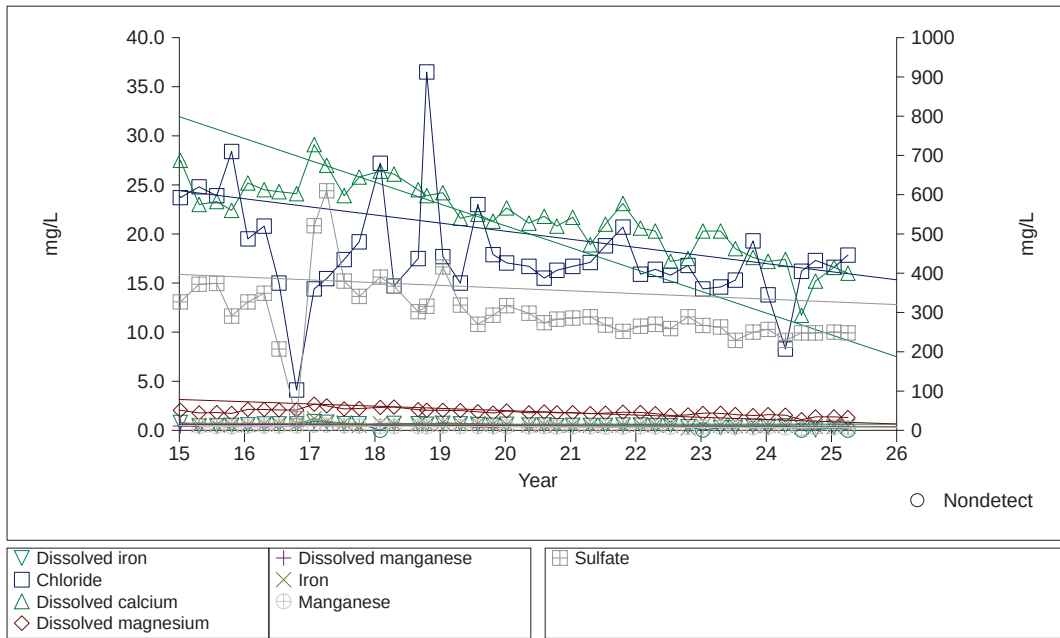
1

Prepared by: Snohomish County Solid Waste



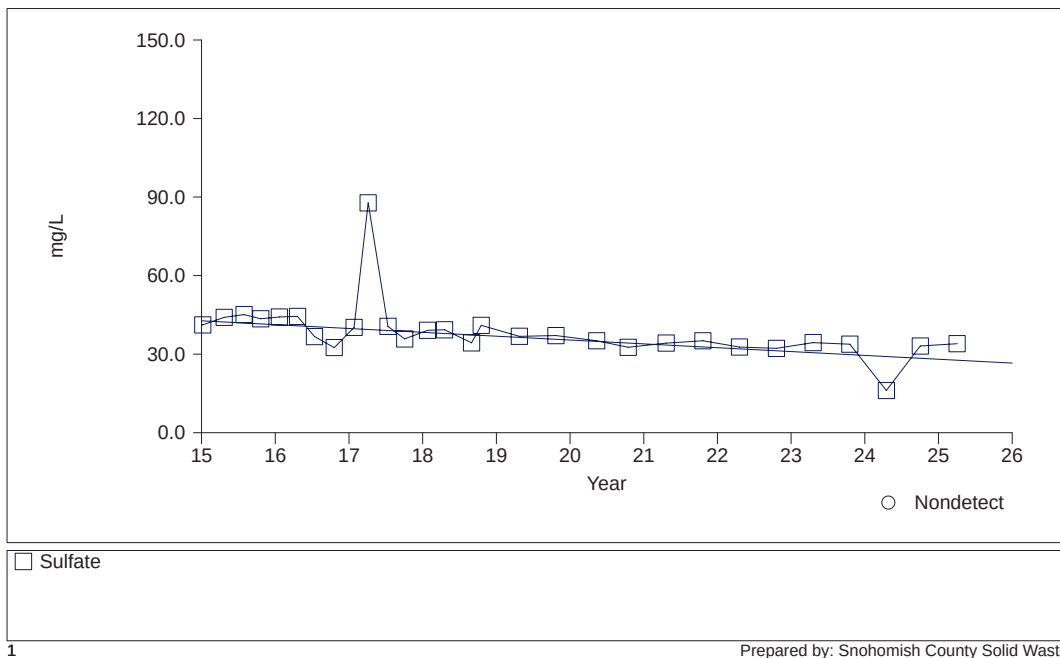
### Cathcart Landfill

Time Series Plot for G-10D



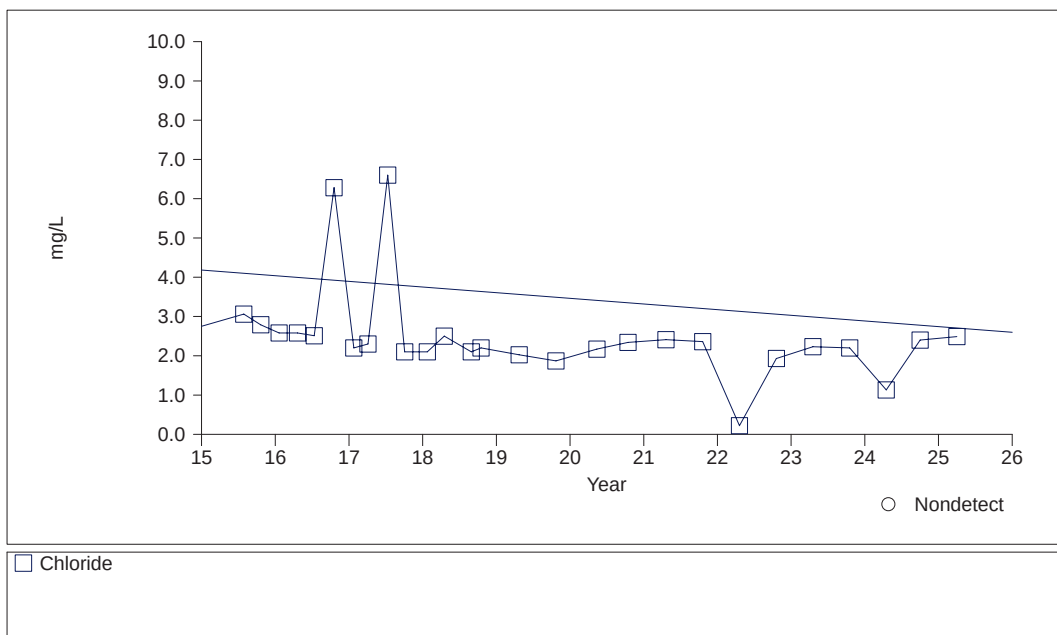
### Cathcart Landfill

Time Series Plot for G-13D



### Cathcart Landfill

Time Series Plot for G-14D

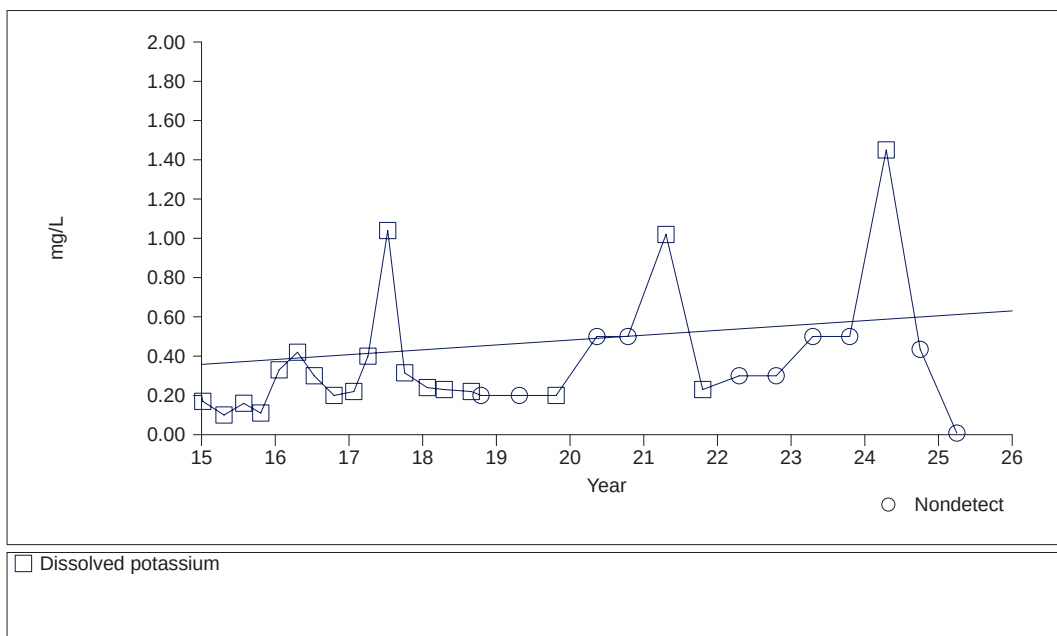


1

Prepared by: Snohomish County Solid Waste

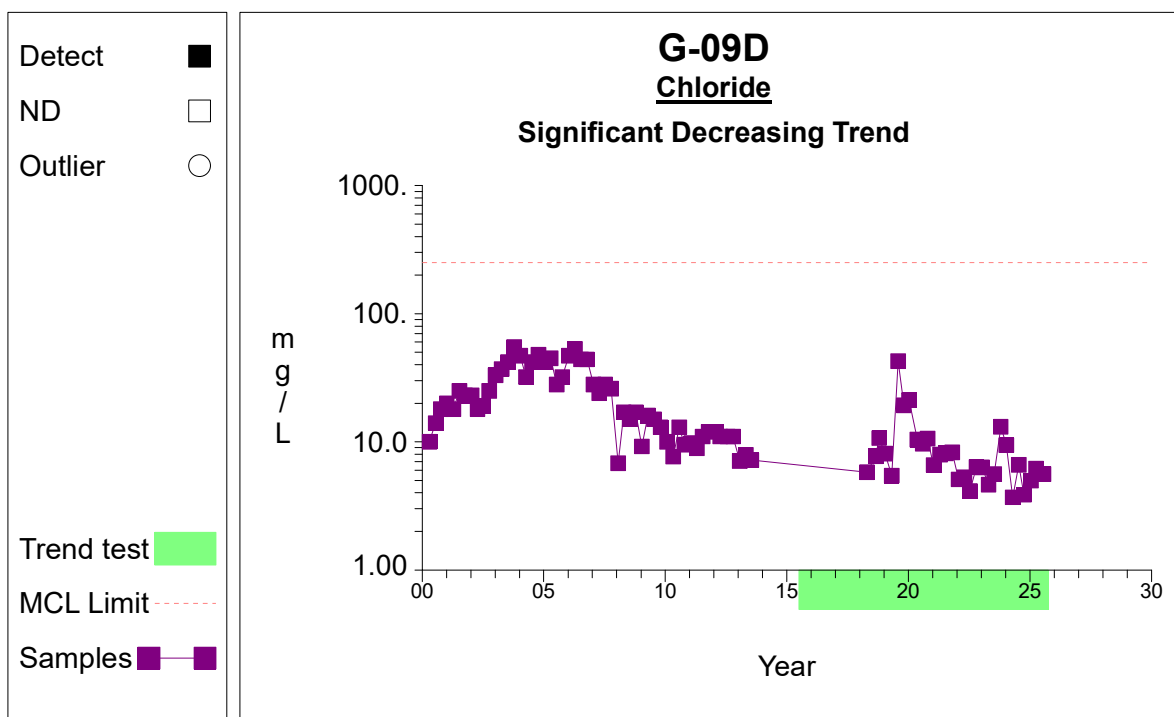
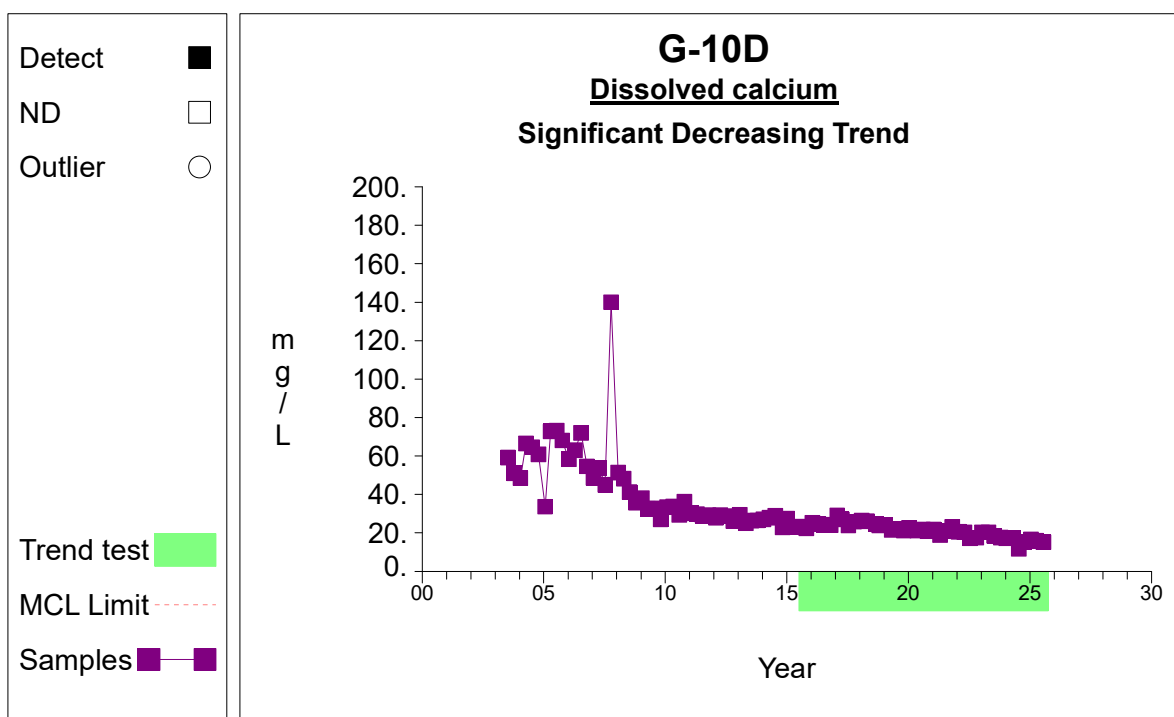
### Cathcart Landfill

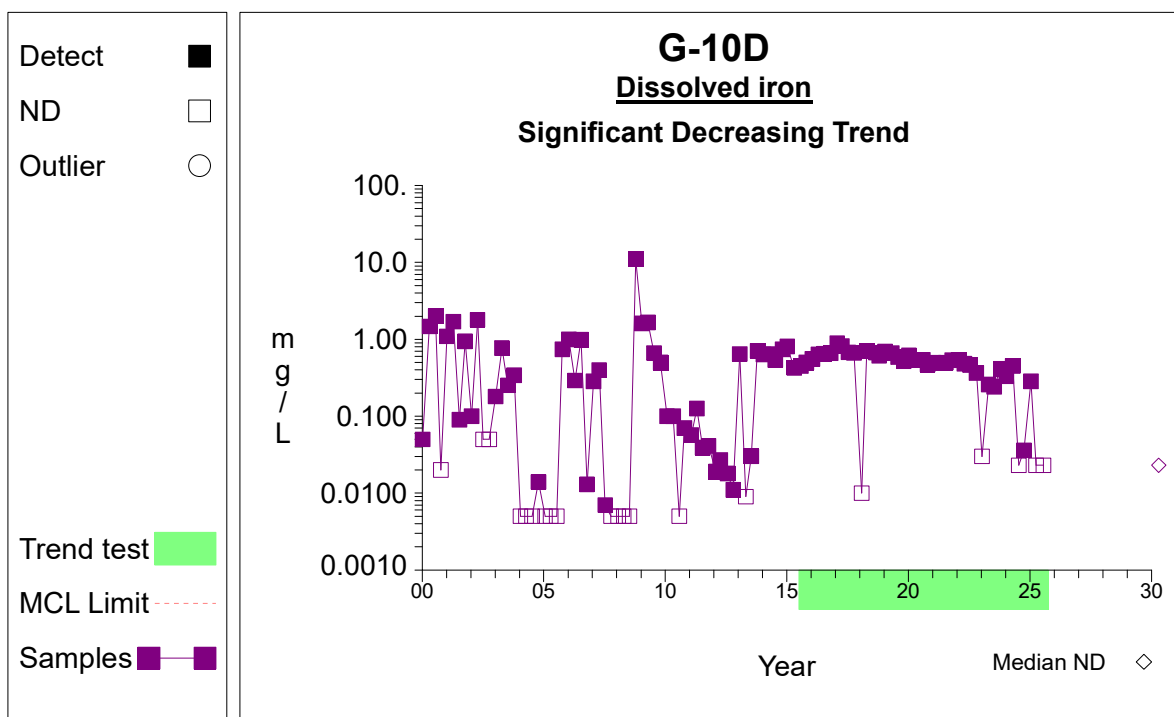
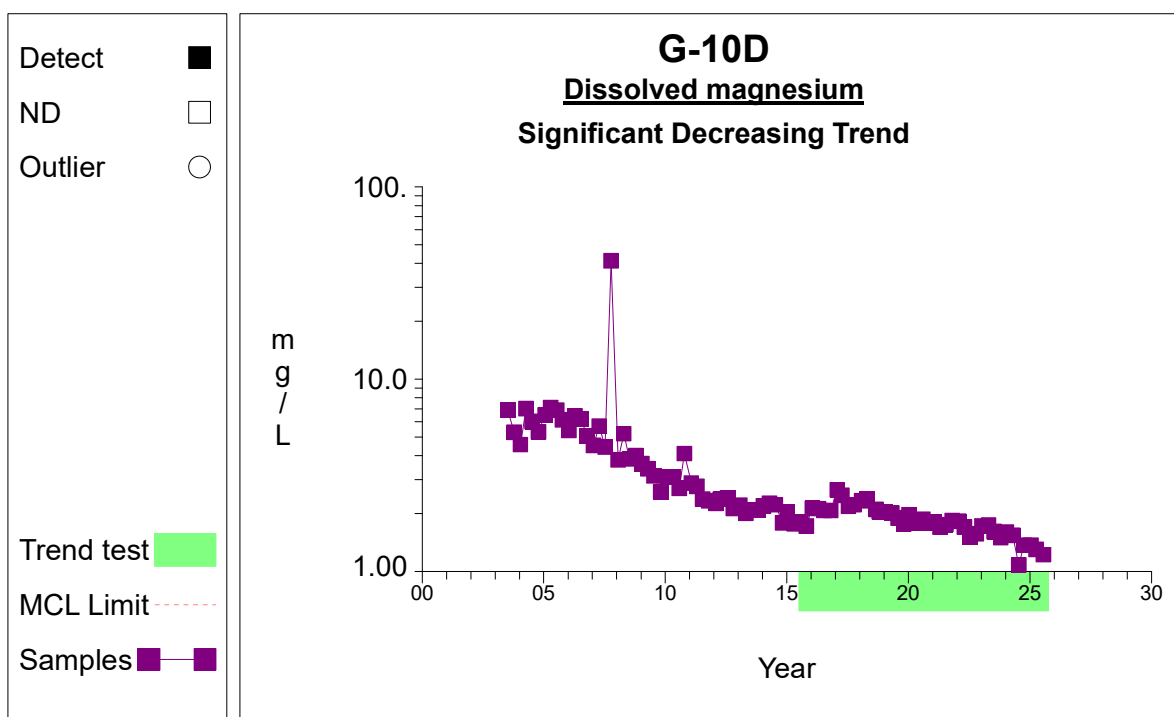
Time Series Plot for G-24D

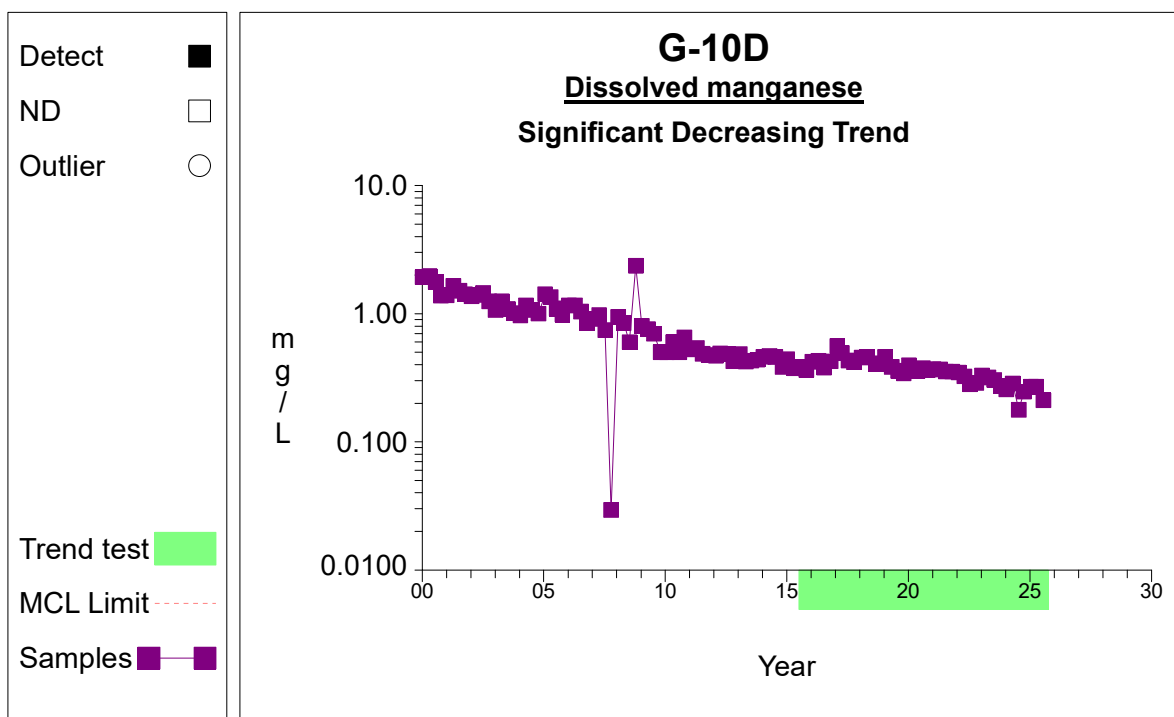


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Prepared by: Snohomish County Solid Waste

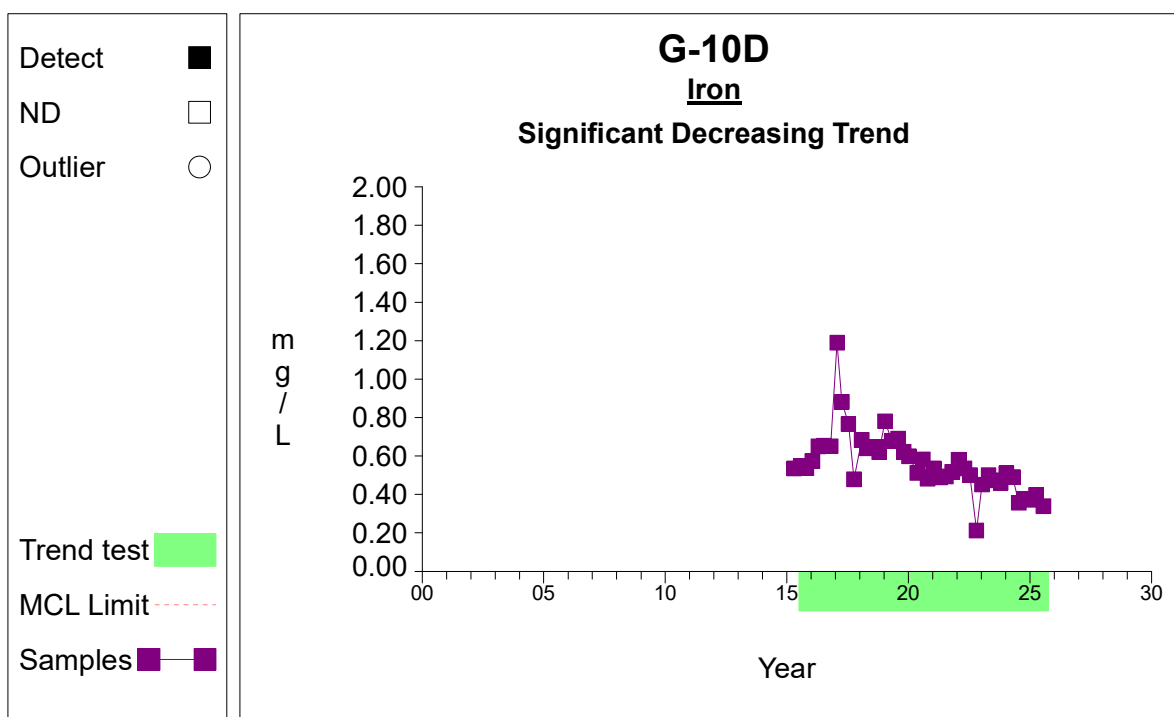
Time Series**Graph 150**Time Series**Graph 190**

Time Series**Graph 191**Time Series**Graph 192**

Time Series**Graph 193**

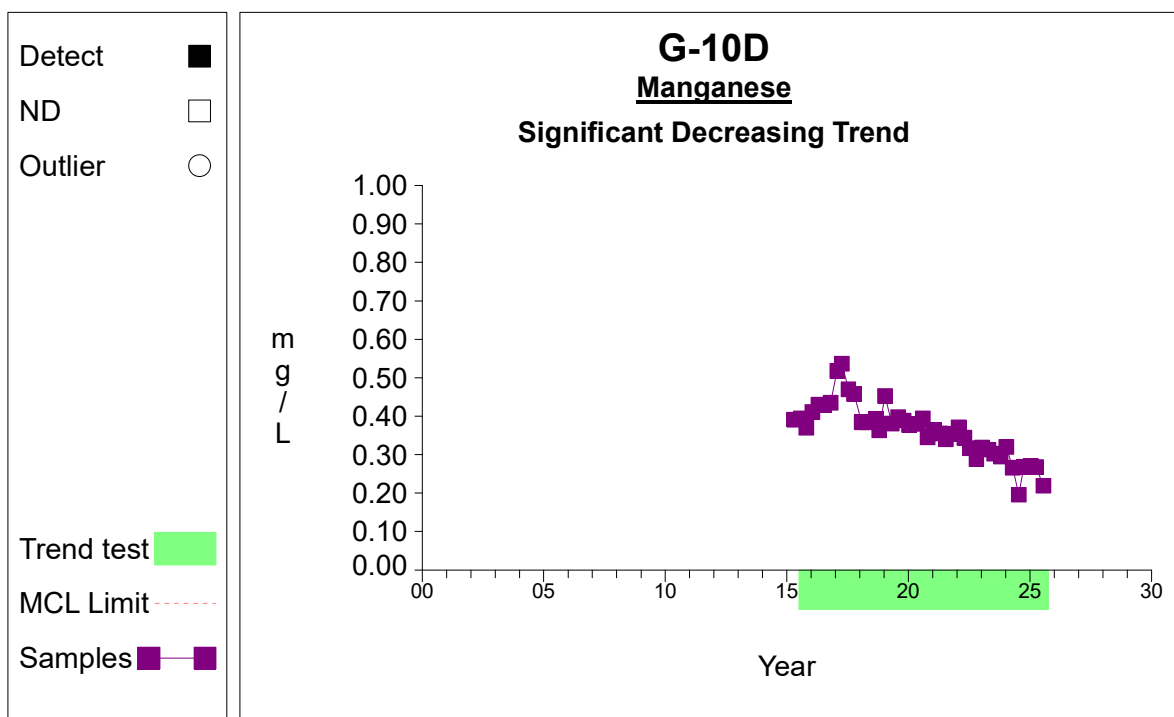
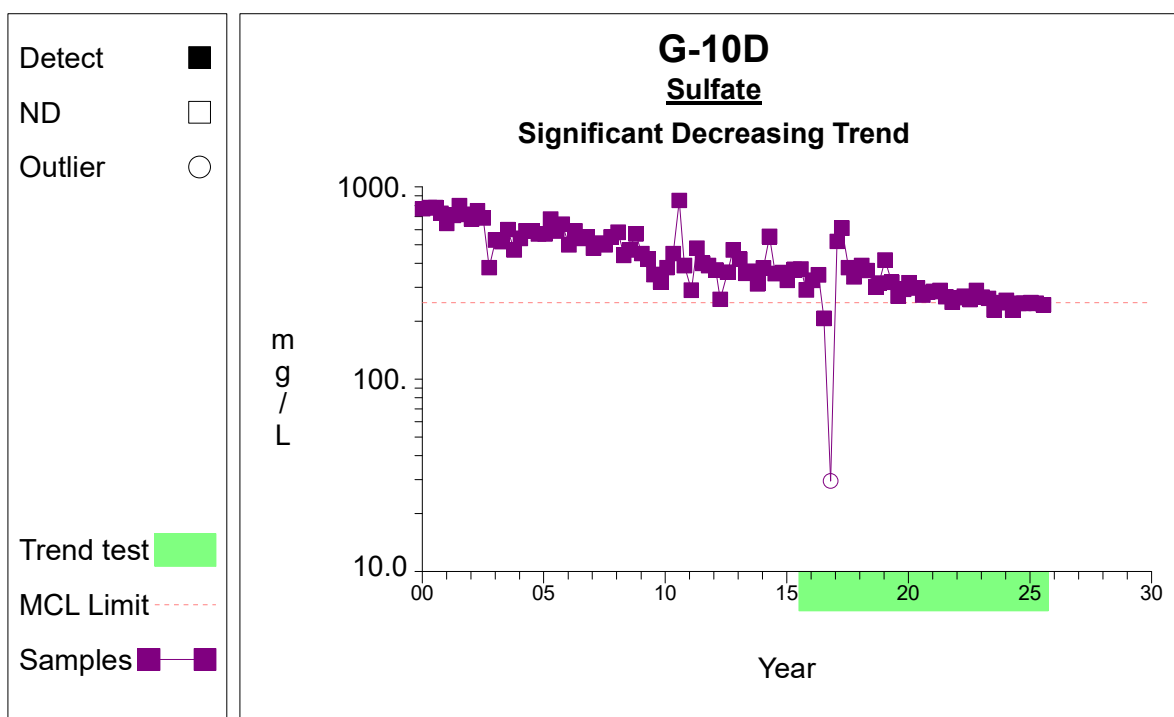
Prepared by: Snohomish County Solid Waste

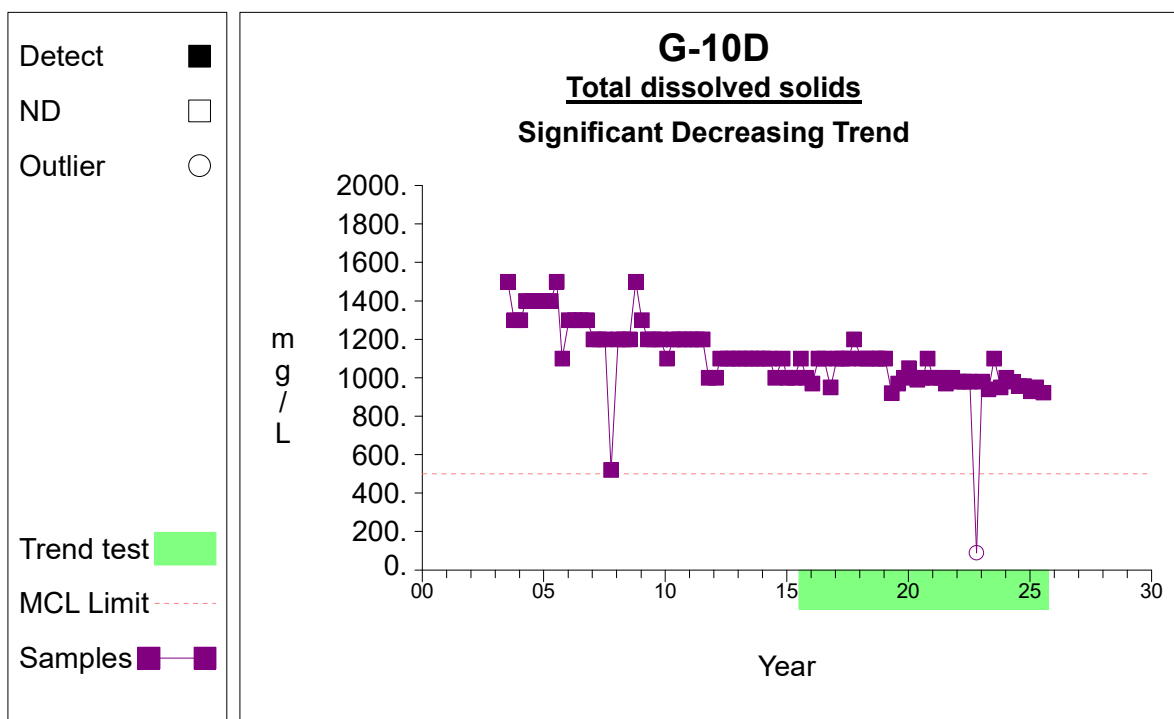
20

Time Series**Graph 196**

Prepared by: Snohomish County Solid Waste

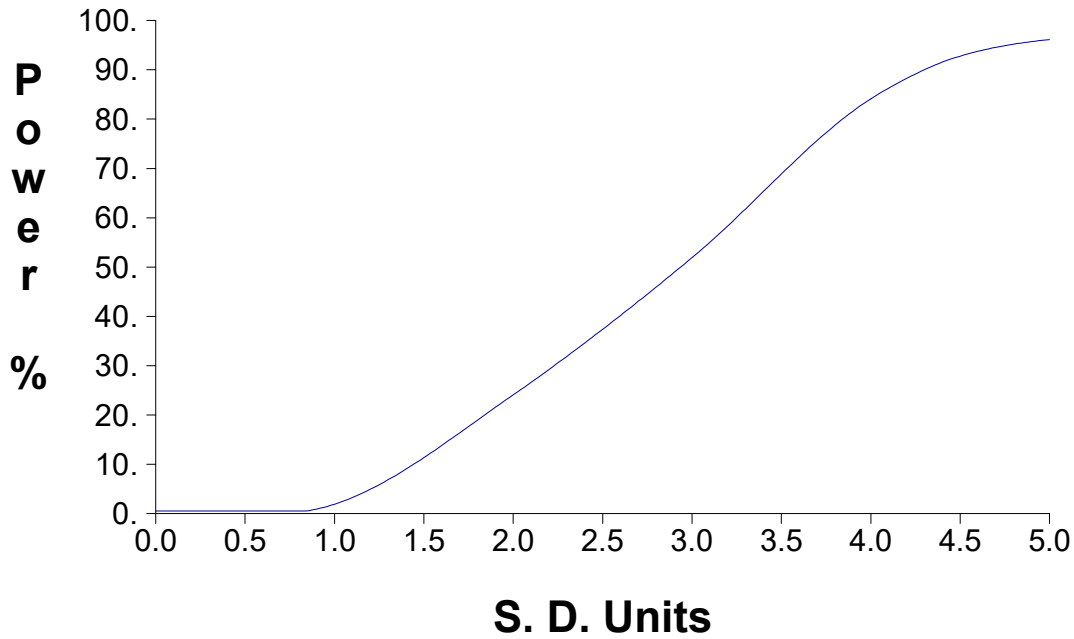
21

Time Series**Graph 198**Time Series**Graph 205**

Time Series**Graph 207**



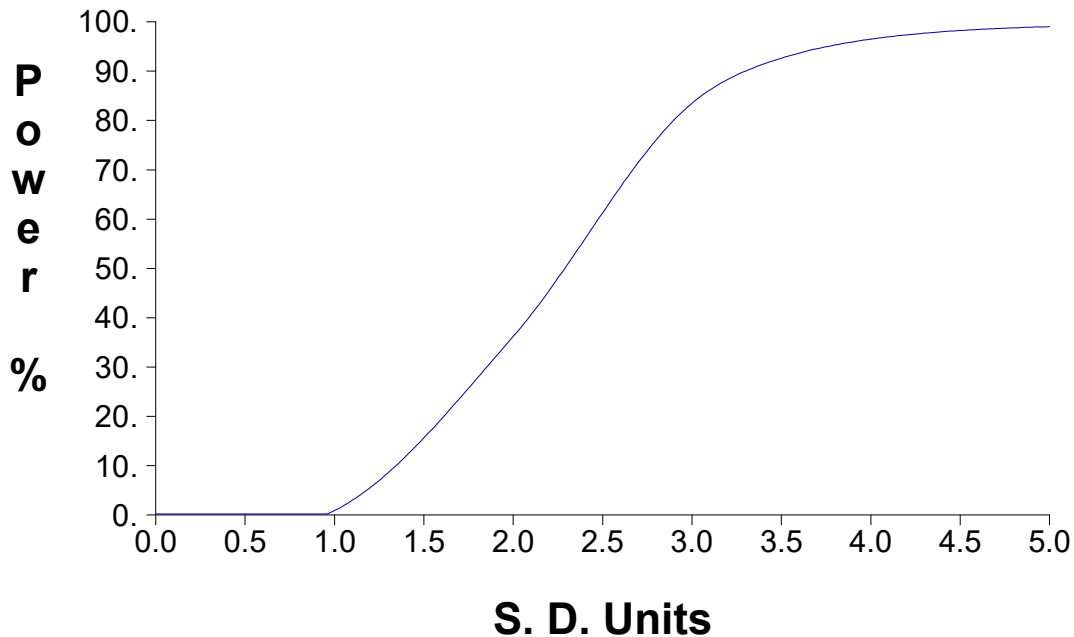
## False Positive and False Negative Rates for Current Intra-Well Prediction Limits Monitoring Program



Prepared by: Snohomish County Solid Waste

1

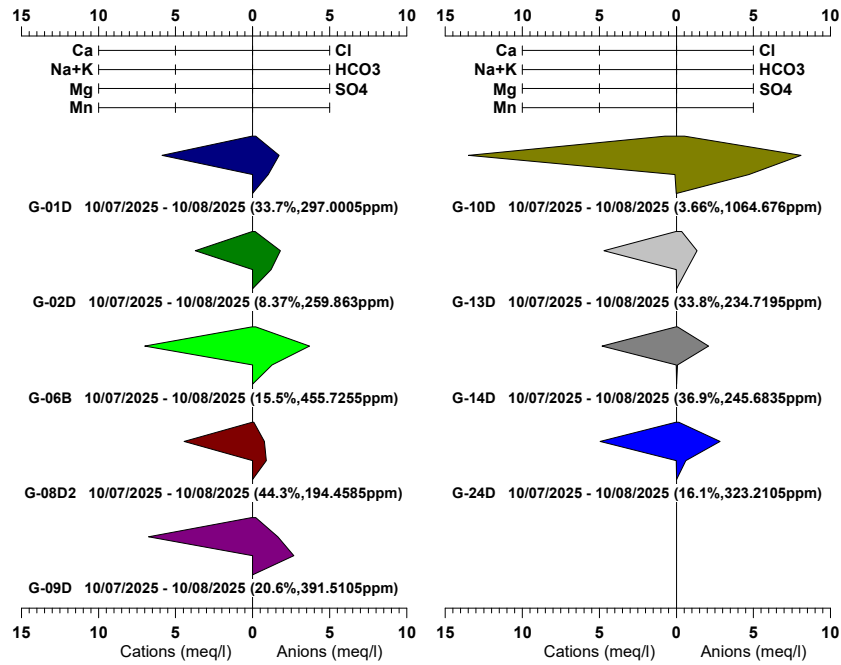
## False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program



Prepared by: Snohomish County Solid Waste

1

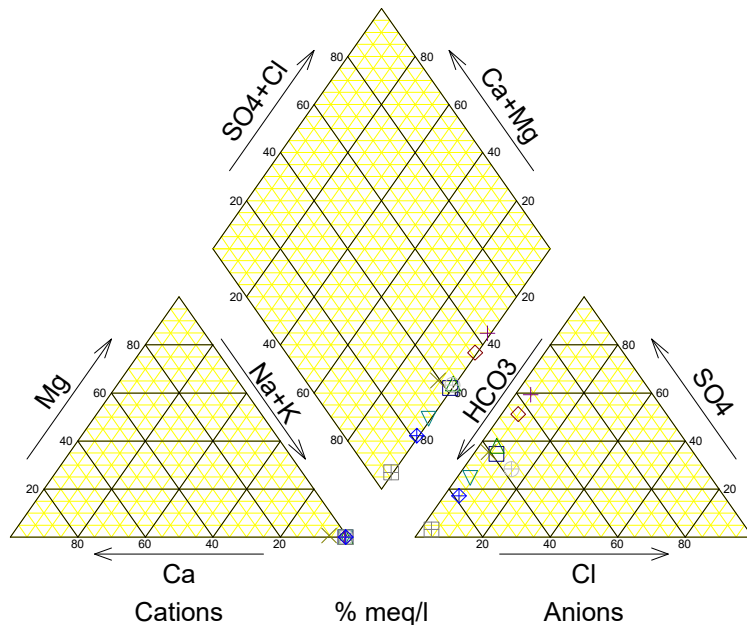
### Cathcart Landfill



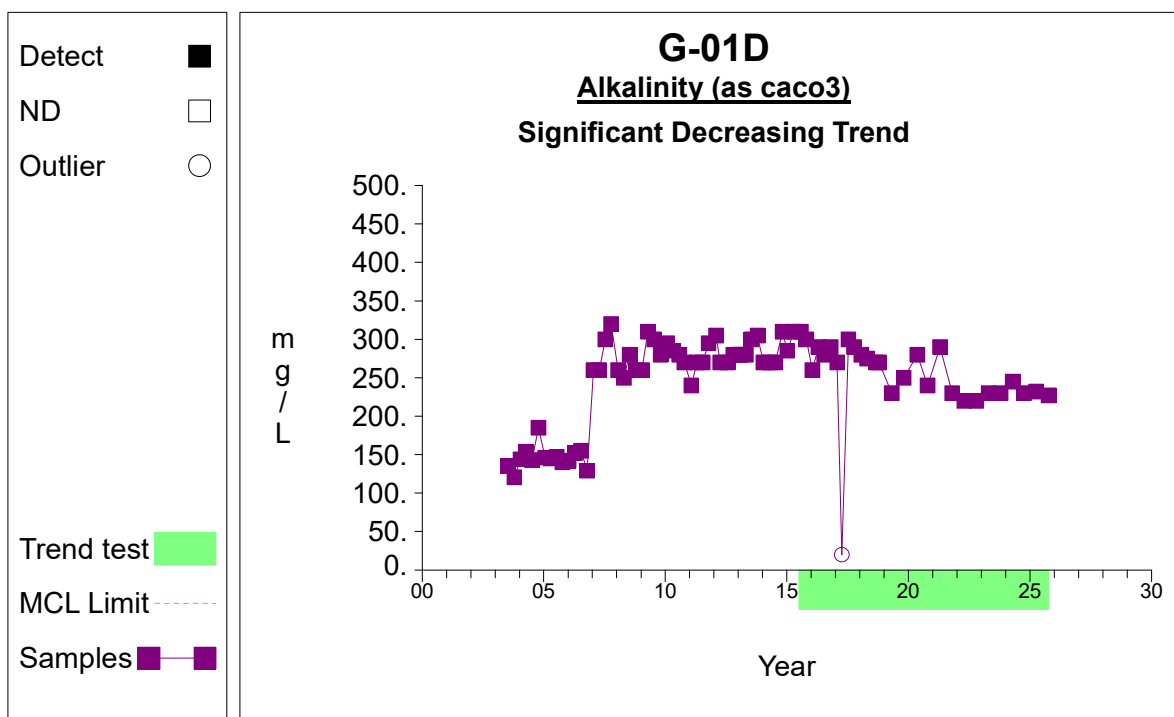
Prepared by: Snohomish County Solid Waste

### Cathcart Landfill

- G-01D 10/07/2025 - 10/08/2025 (33.7%, 297.0005ppm)
- △ G-02D 10/07/2025 - 10/08/2025 (8.36%, 259.863ppm)
- ▽ G-06B 10/07/2025 - 10/08/2025 (15.5%, 455.7255ppm)
- ◇ G-08D2 10/07/2025 - 10/08/2025 (44.3%, 194.4585ppm)
- ⊕ G-09D 10/07/2025 - 10/08/2025 (20.6%, 391.5105ppm)
- ⊗ G-10D 10/07/2025 - 10/08/2025 (3.66%, 1064.676ppm)
- ⊙ G-13D 10/07/2025 - 10/08/2025 (33.8%, 234.7195ppm)
- ⊖ G-14D 10/07/2025 - 10/08/2025 (36.9%, 245.6835ppm)
- ⊕ G-24D 10/07/2025 - 10/08/2025 (16.1%, 323.2105ppm)

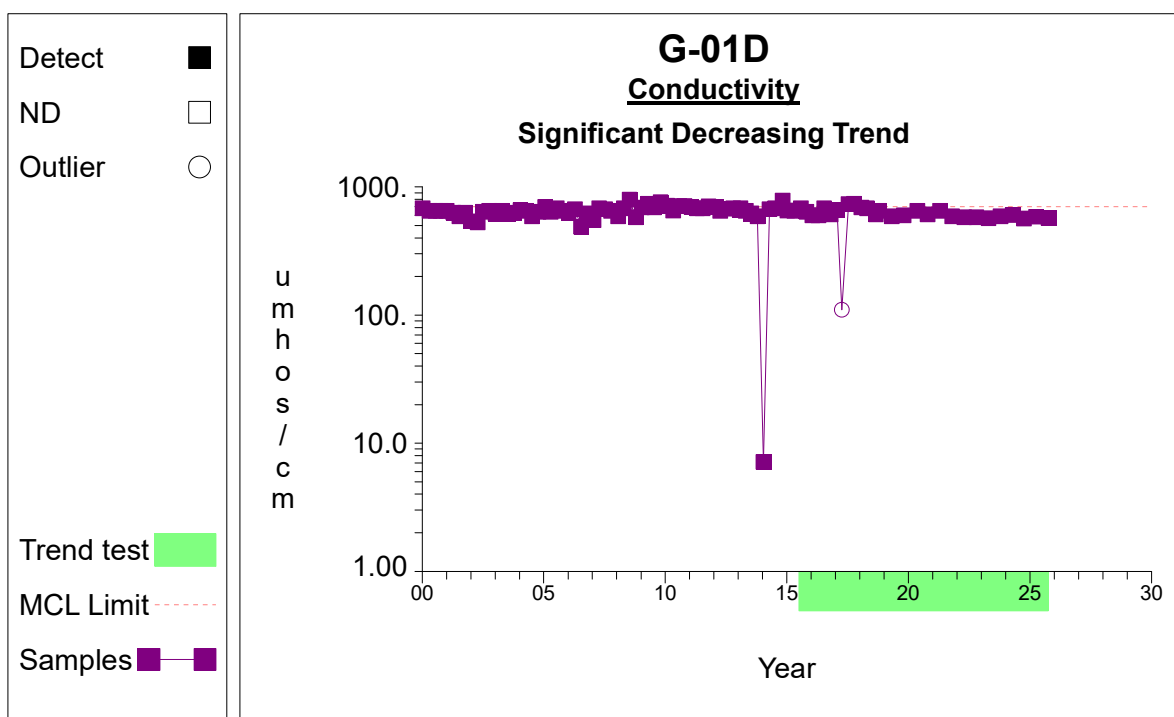


Prepared by: Snohomish County Solid Waste

Time Series**Graph 1**

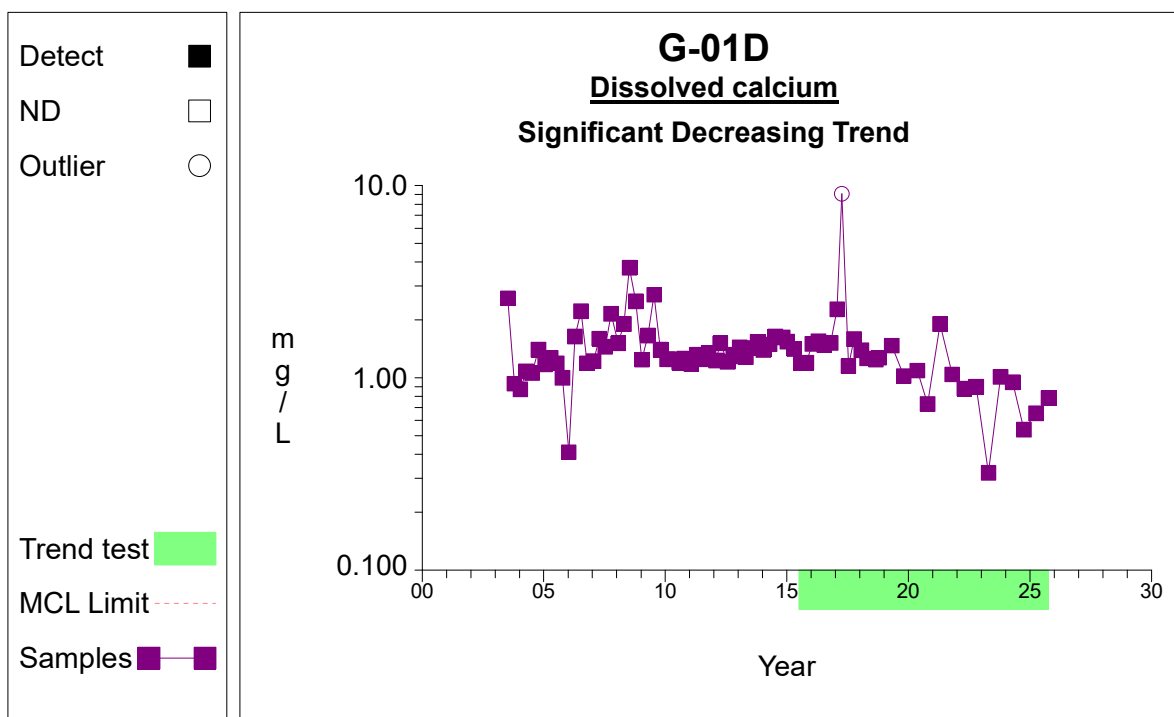
Prepared by: Snohomish County Solid Waste

1

Time Series**Graph 13**

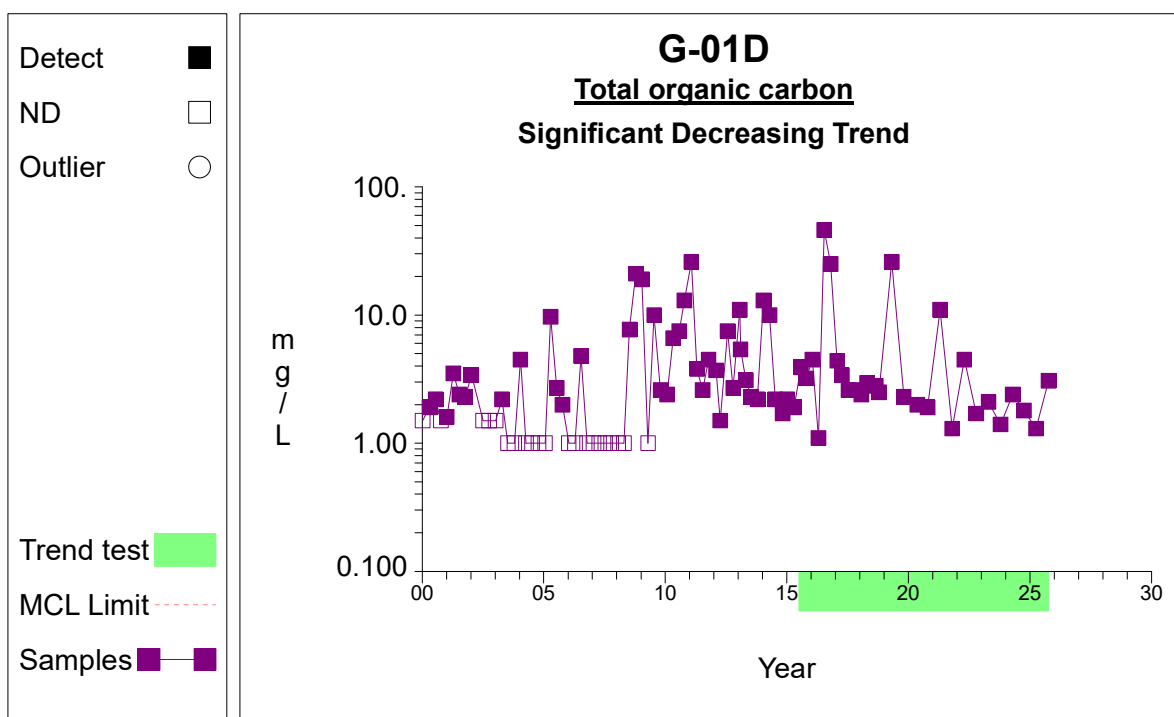
Prepared by: Snohomish County Solid Waste

2

Time Series**Graph 15**

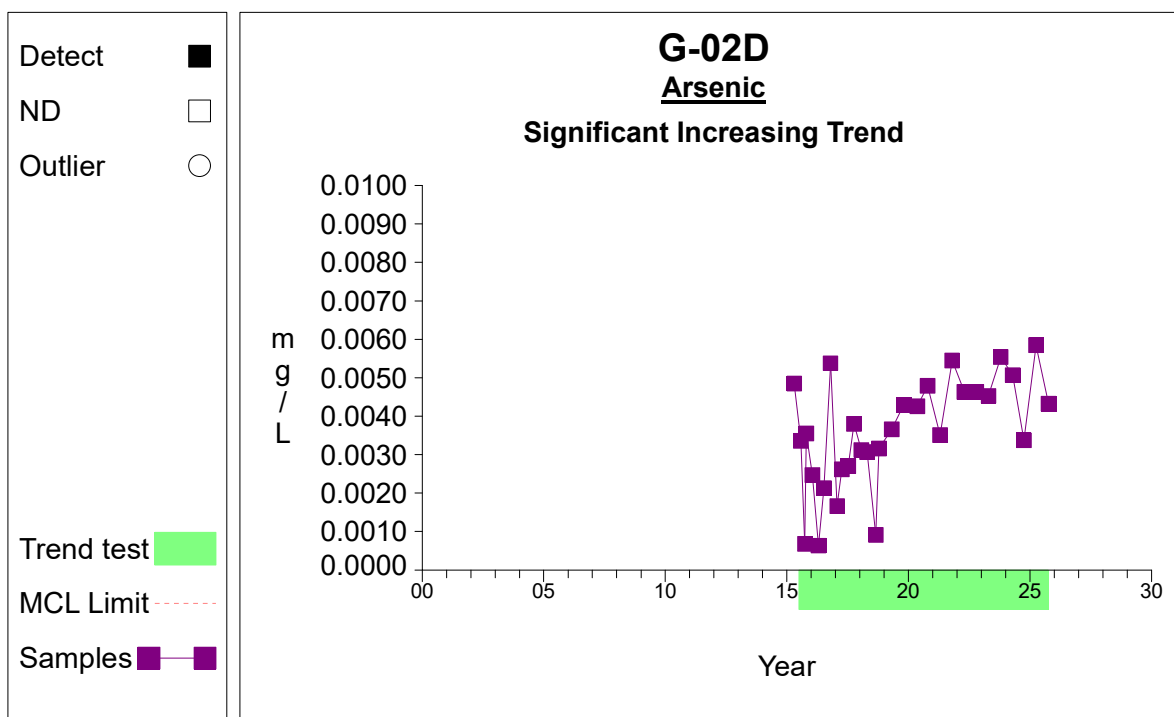
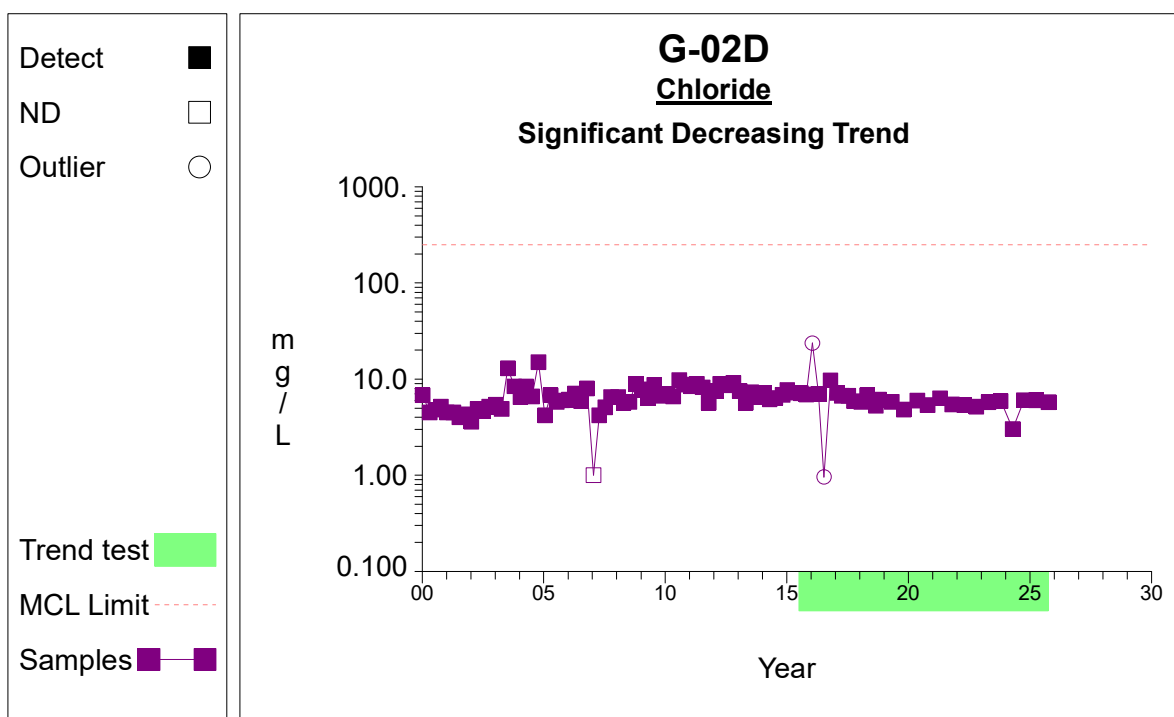
Prepared by: Snohomish County Solid Waste

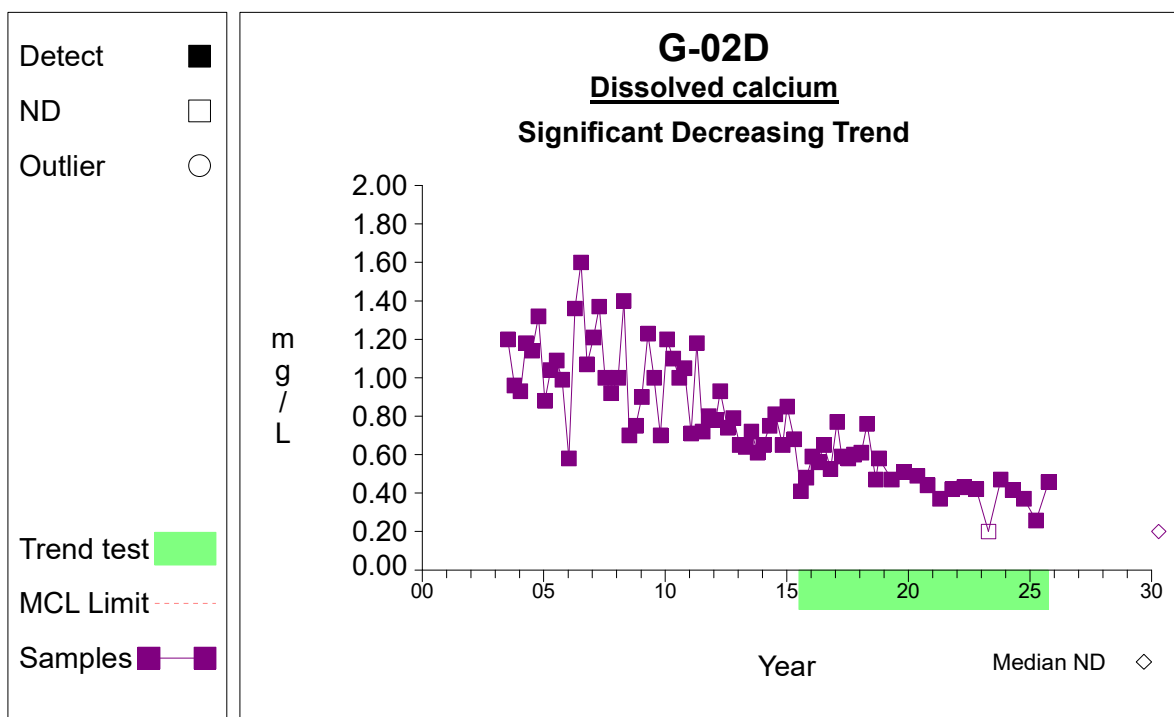
3

Time Series**Graph 33**

Prepared by: Snohomish County Solid Waste

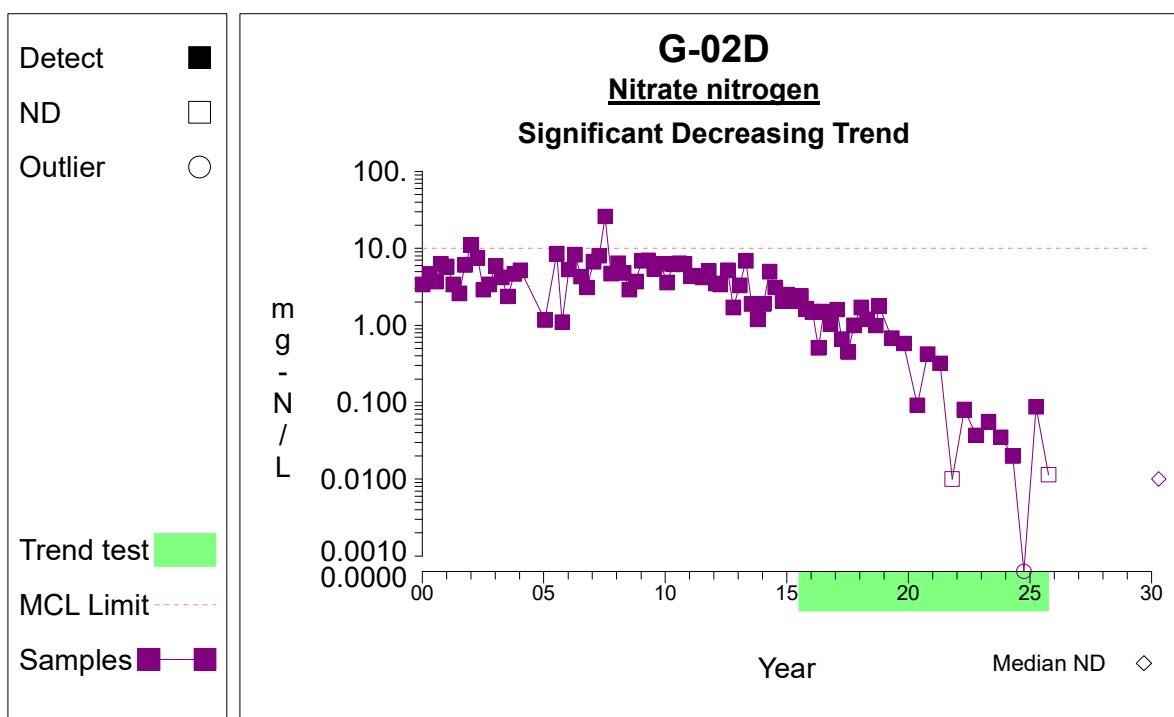
4

Time Series**Graph 39**Time Series**Graph 45**

Time Series**Graph 50**

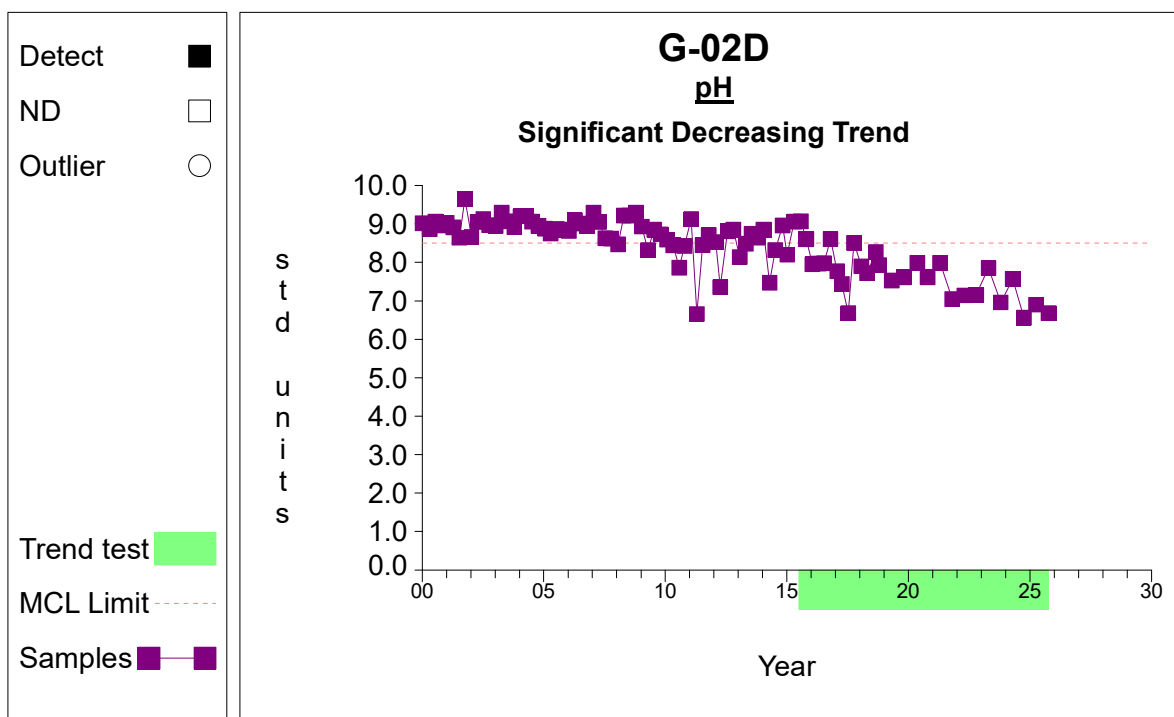
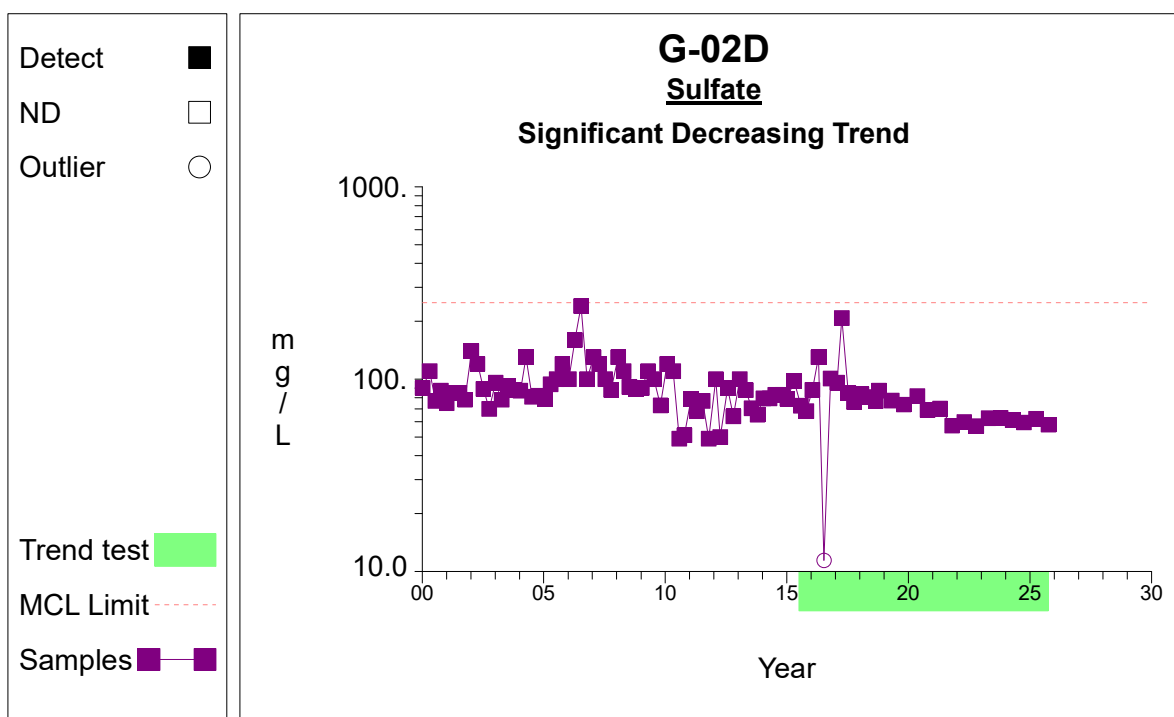
Prepared by: Snohomish County Solid Waste

7

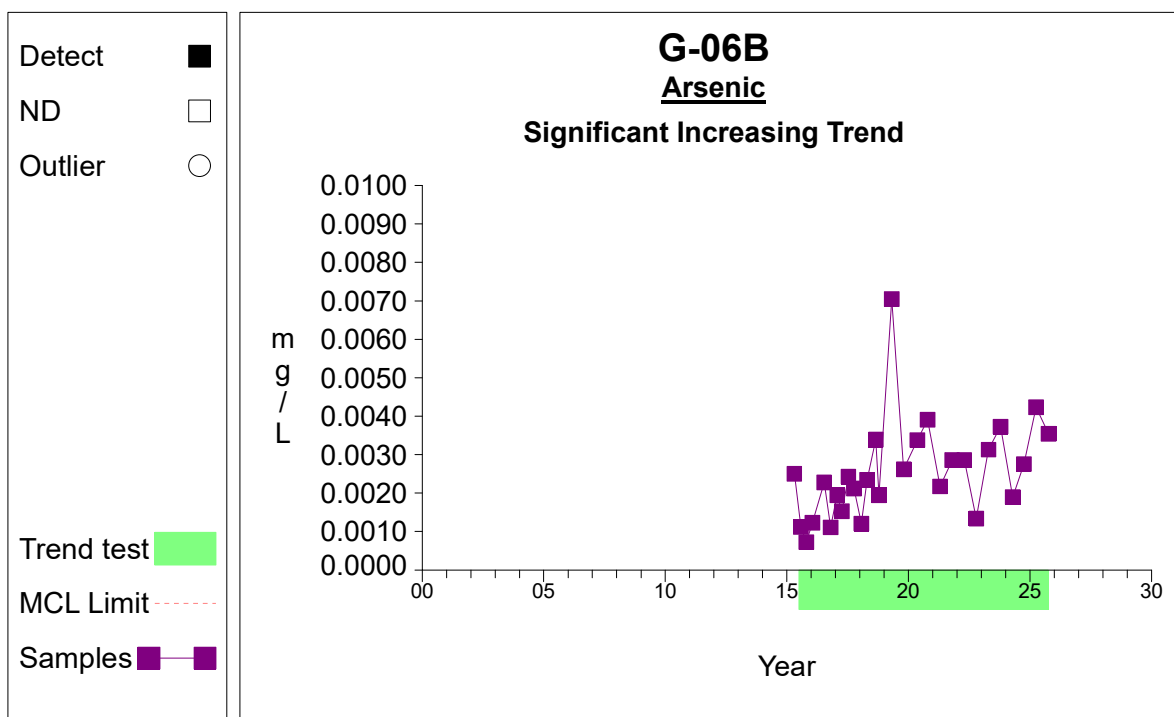
Time Series**Graph 60**

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8

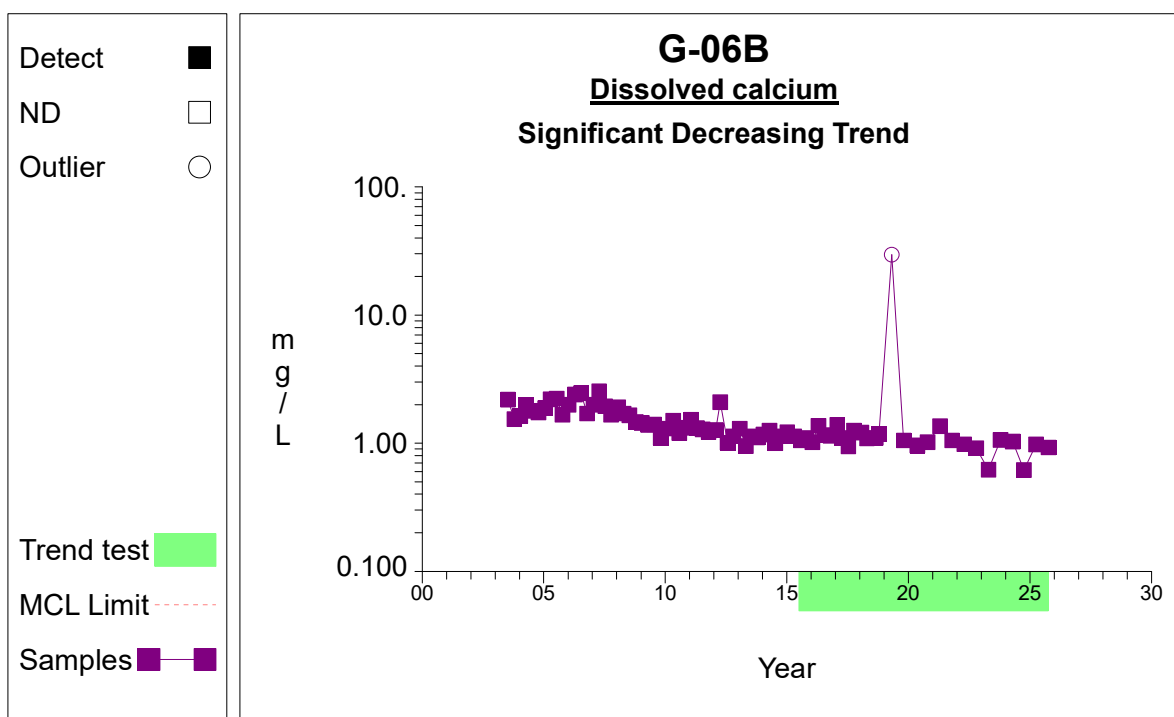
Time Series**Graph 62**Time Series**Graph 65**



Time Series**Graph 74**

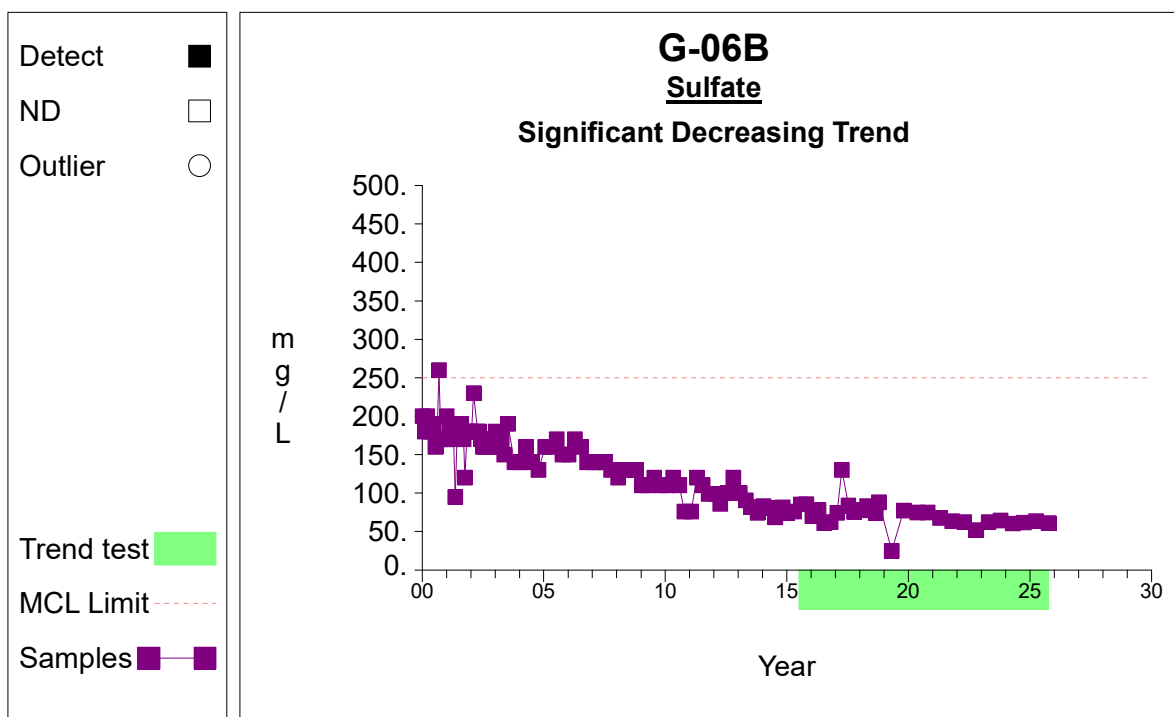
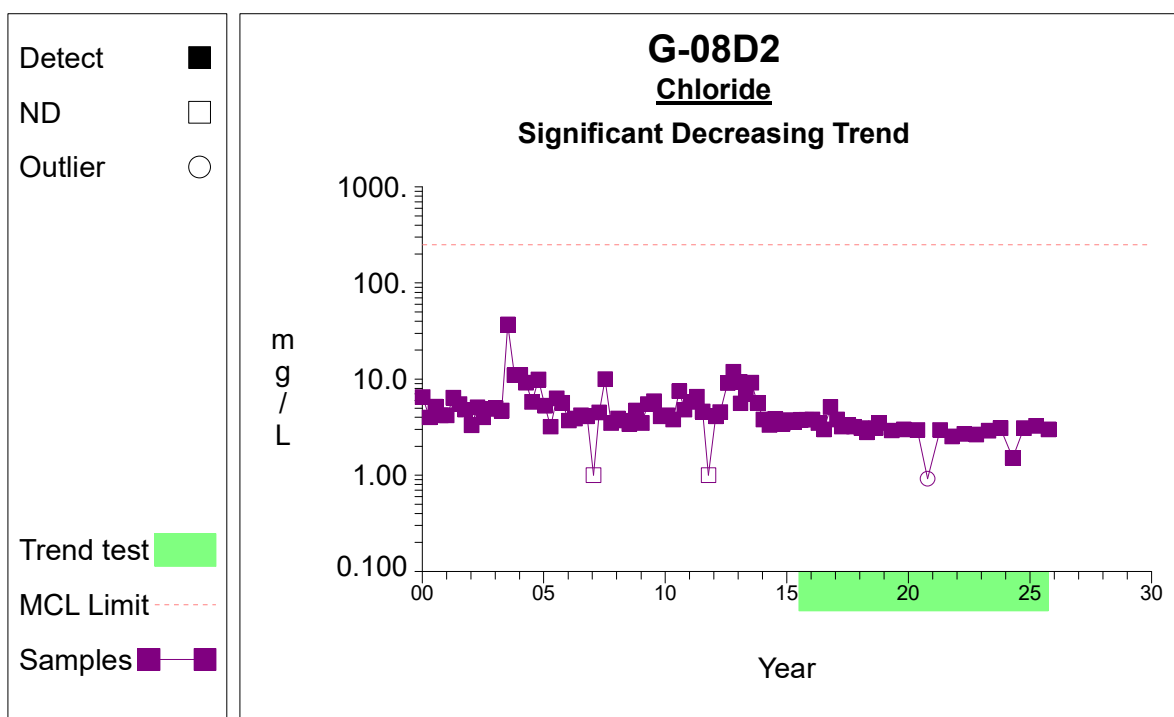
Prepared by: Snohomish County Solid Waste

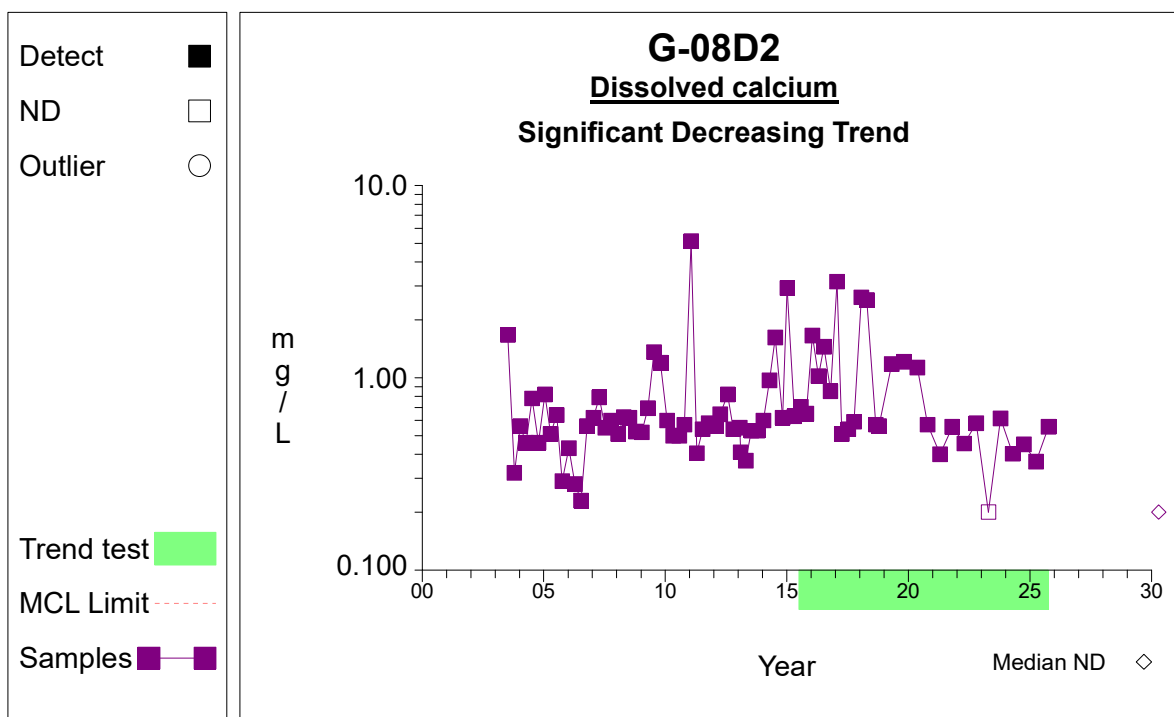
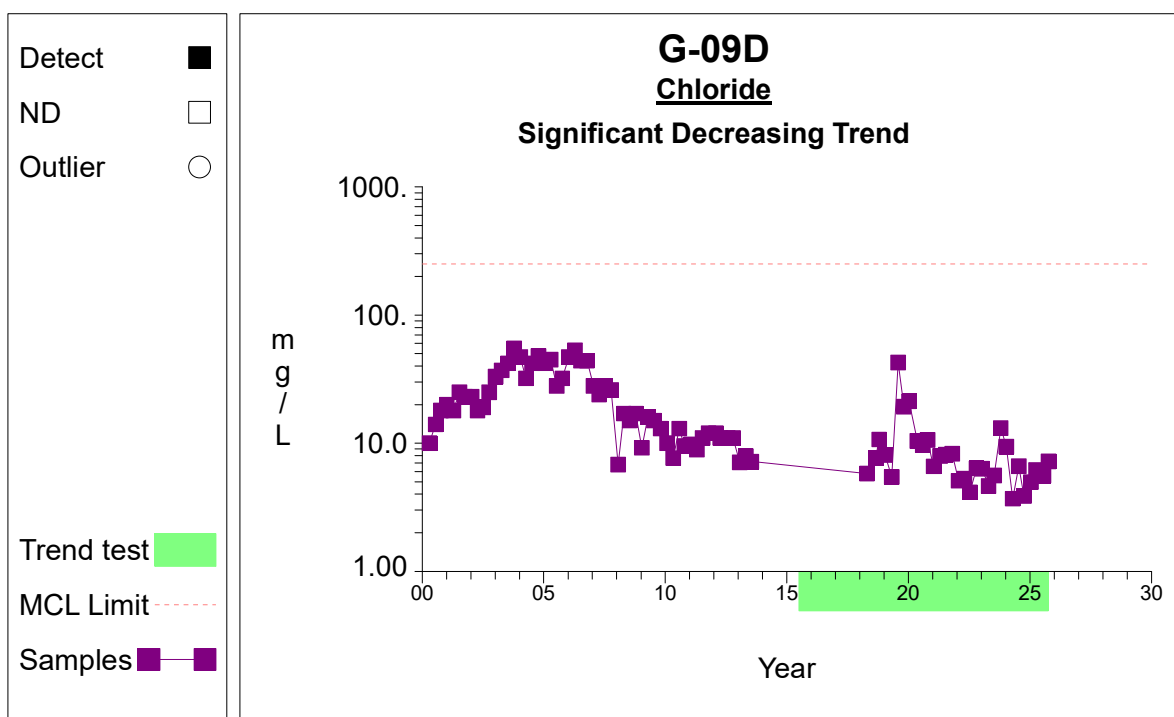
11

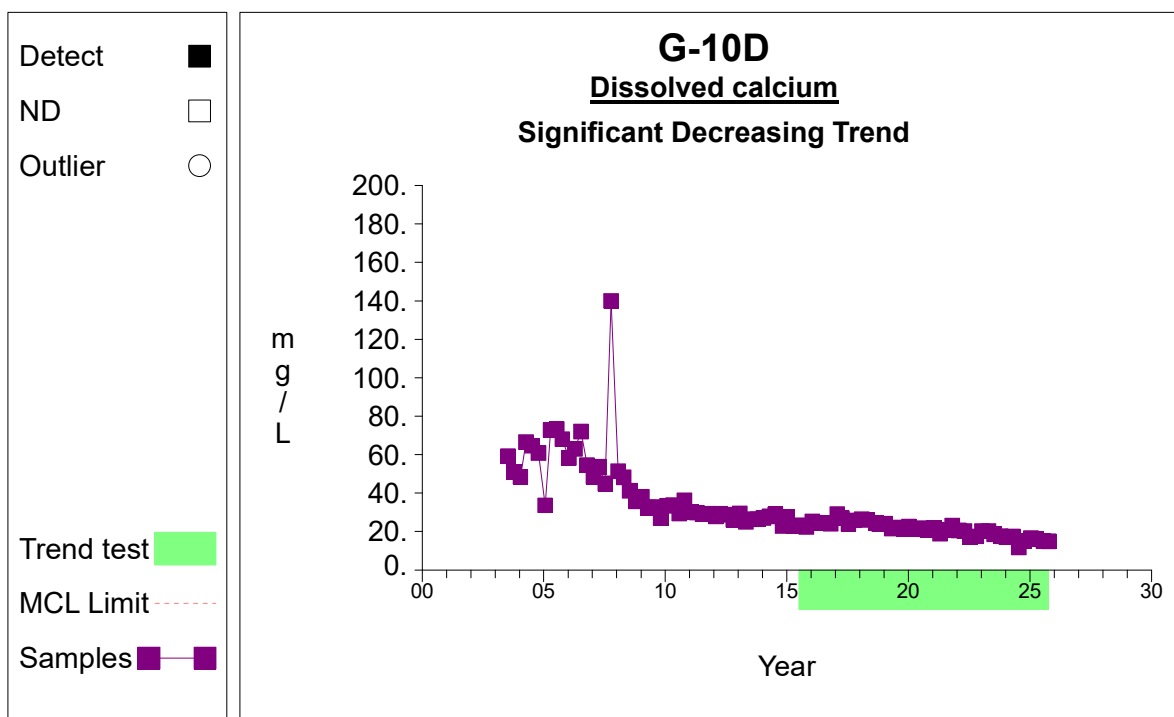
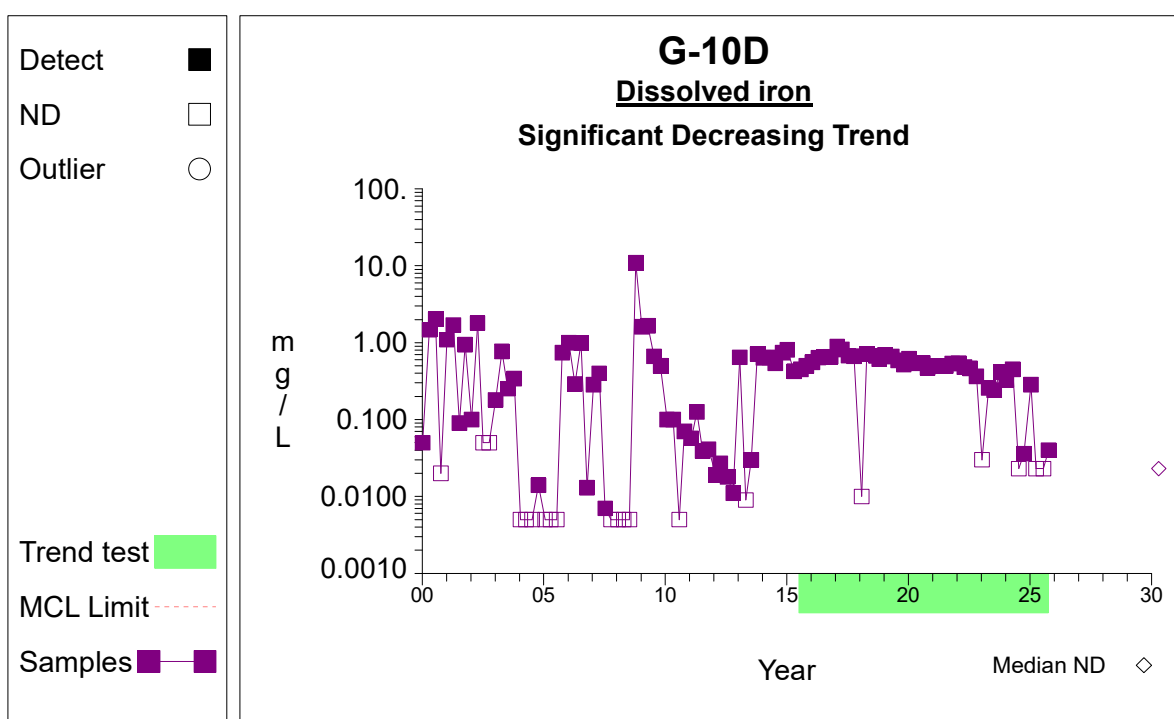
Time Series**Graph 85**

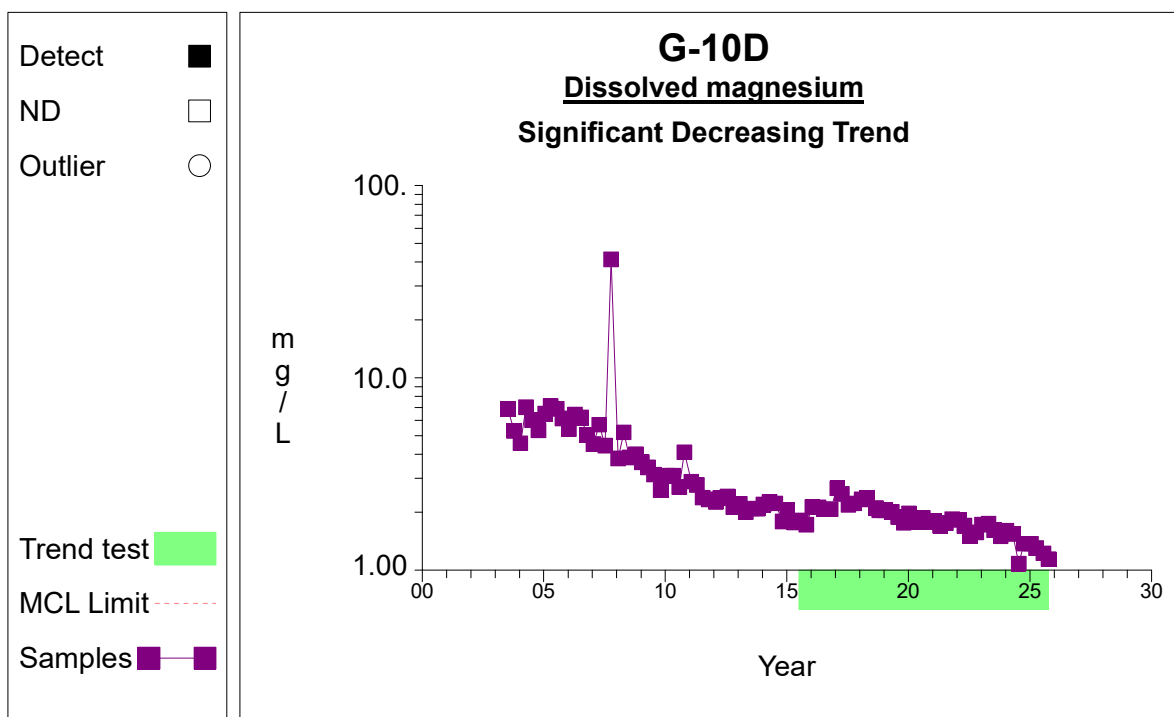
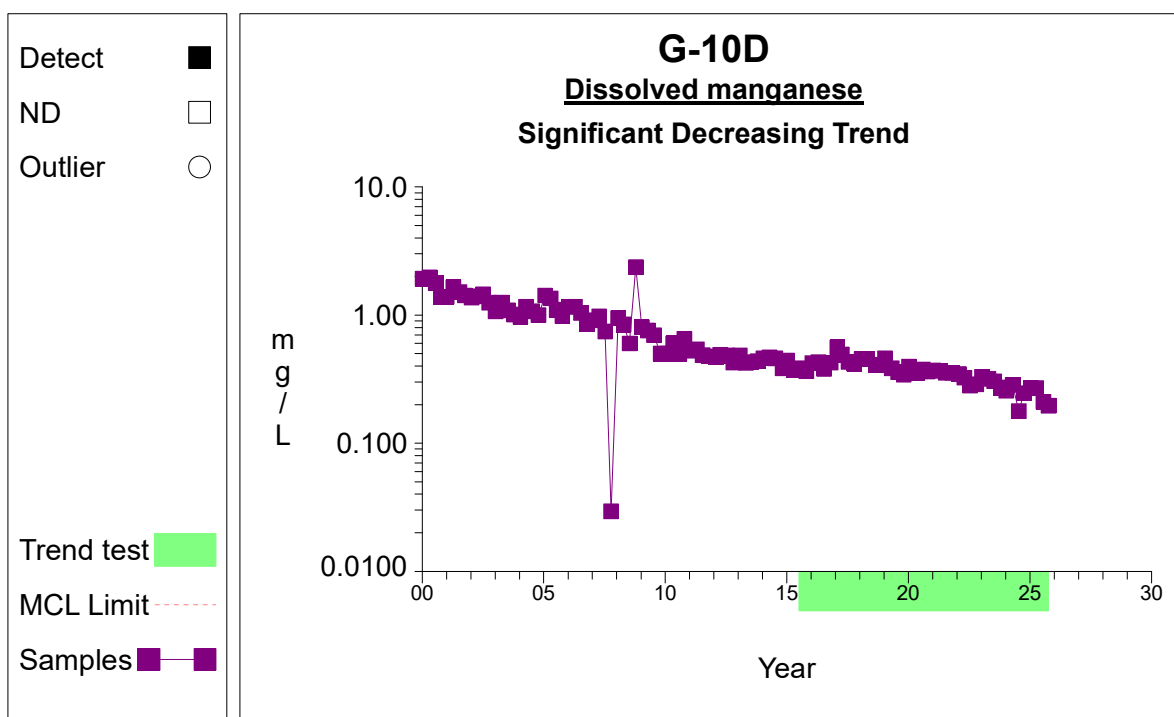
Prepared by: Snohomish County Solid Waste

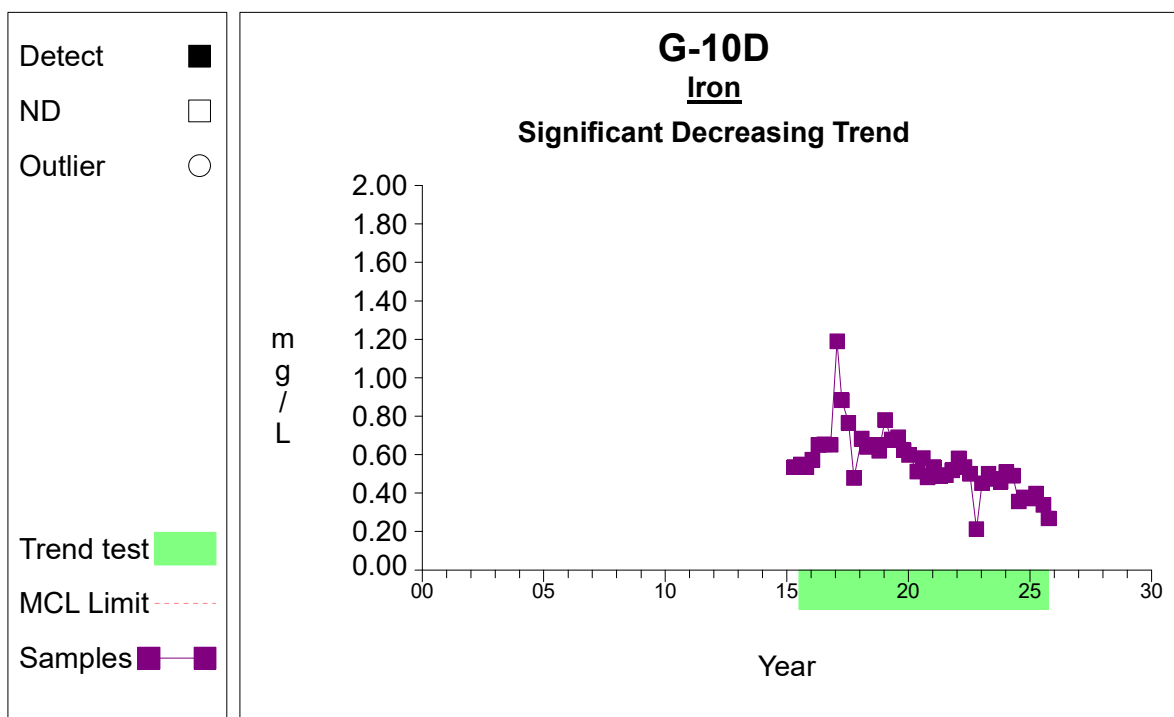
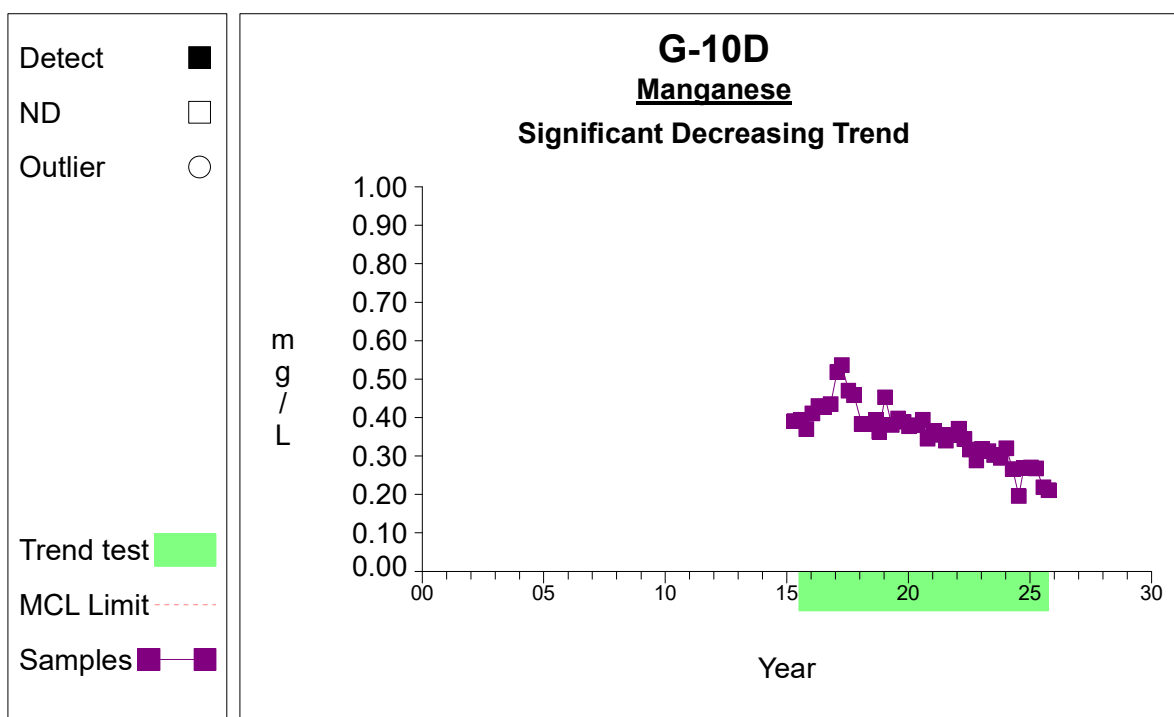
12

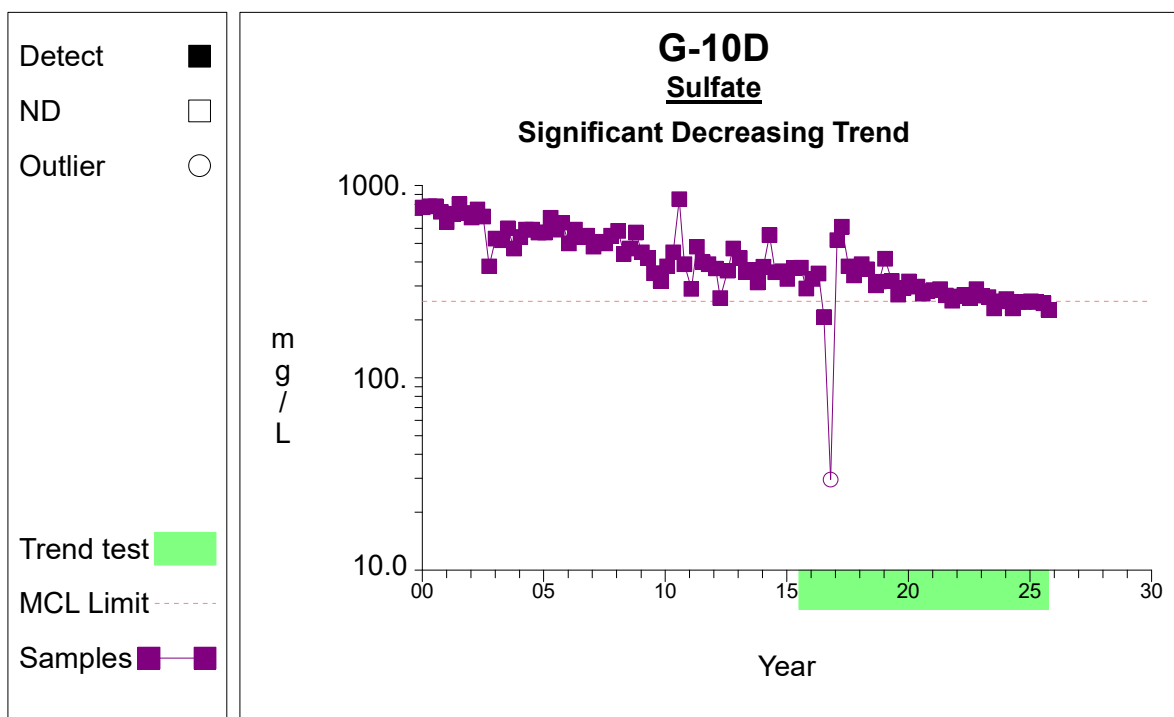
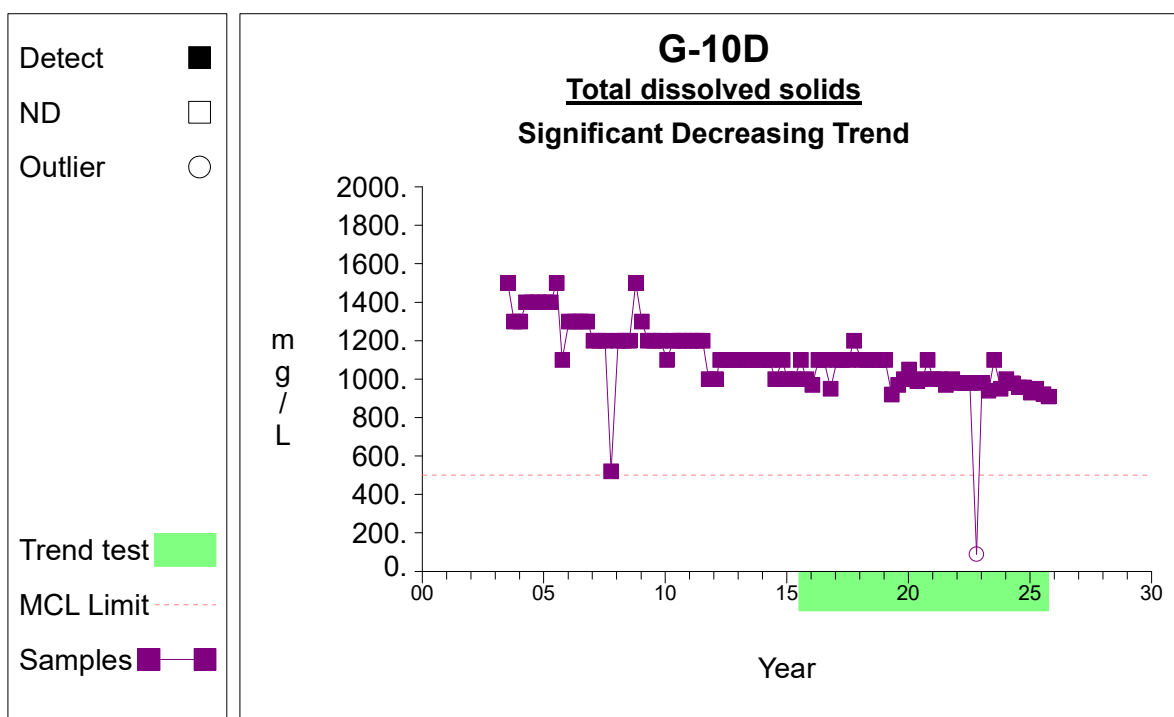
Time Series**Graph 100**Time Series**Graph 115**

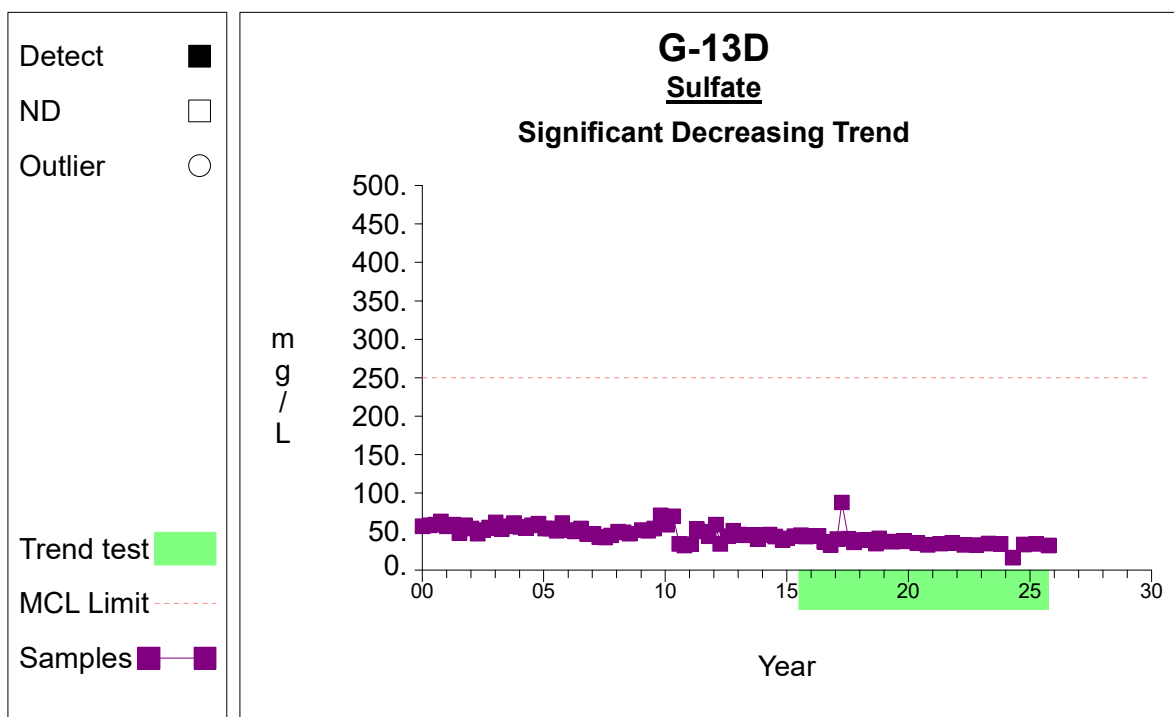
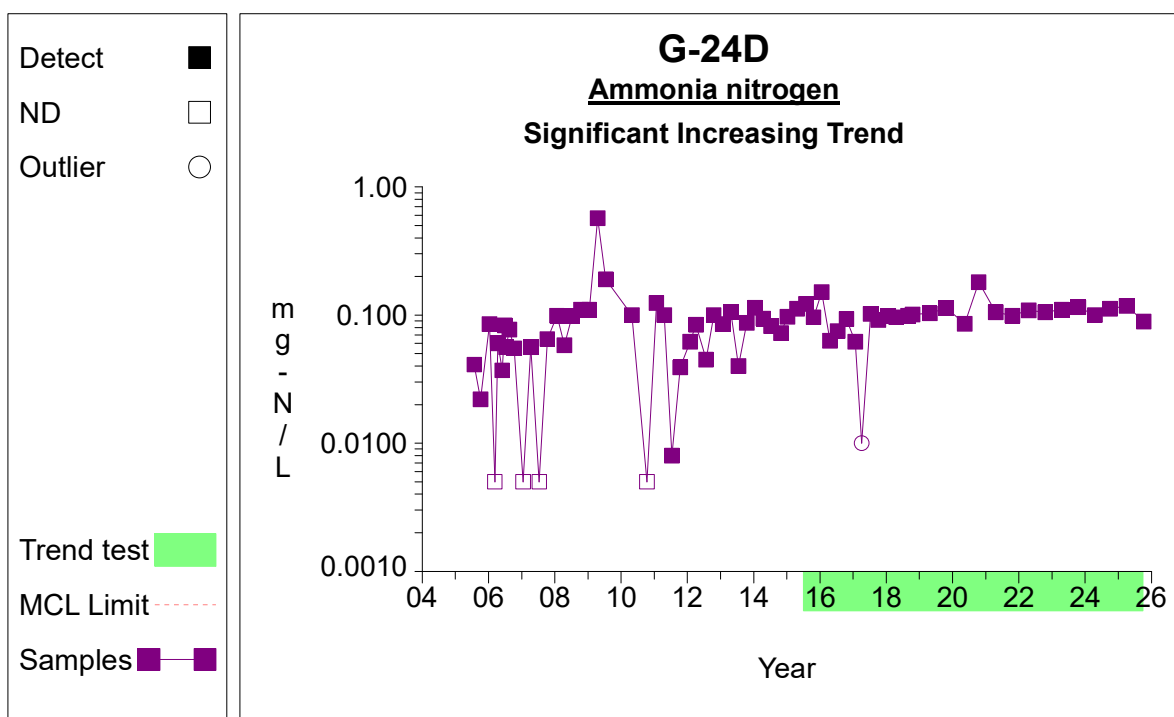
Time Series**Graph 120**Time Series**Graph 150**

Time Series**Graph 190**Time Series**Graph 191**

Time Series**Graph 192**Time Series**Graph 193**

Time Series**Graph 196**Time Series**Graph 198**

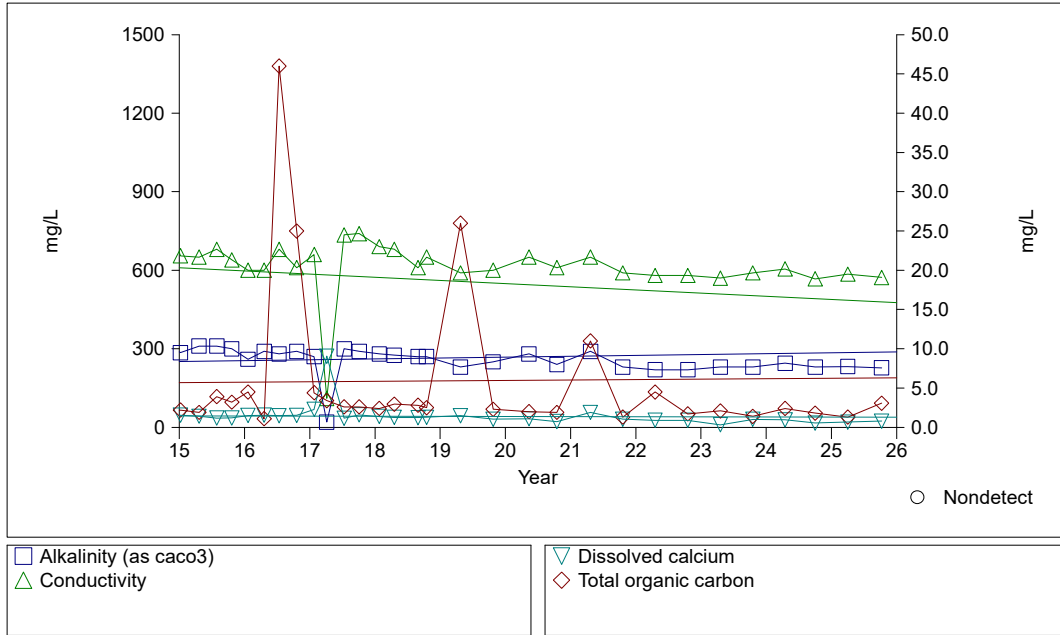
Time Series**Graph 205**Time Series**Graph 207**

Time Series**Graph 240**Time Series**Graph 282**



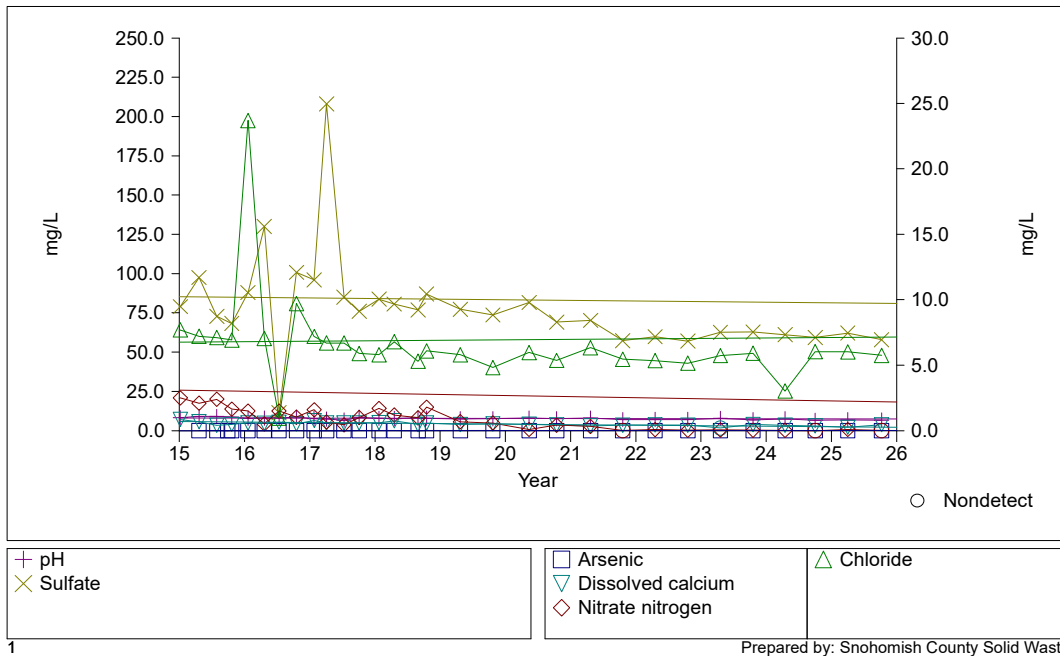
### Cathcart Landfill

Time Series Plot for G-01D



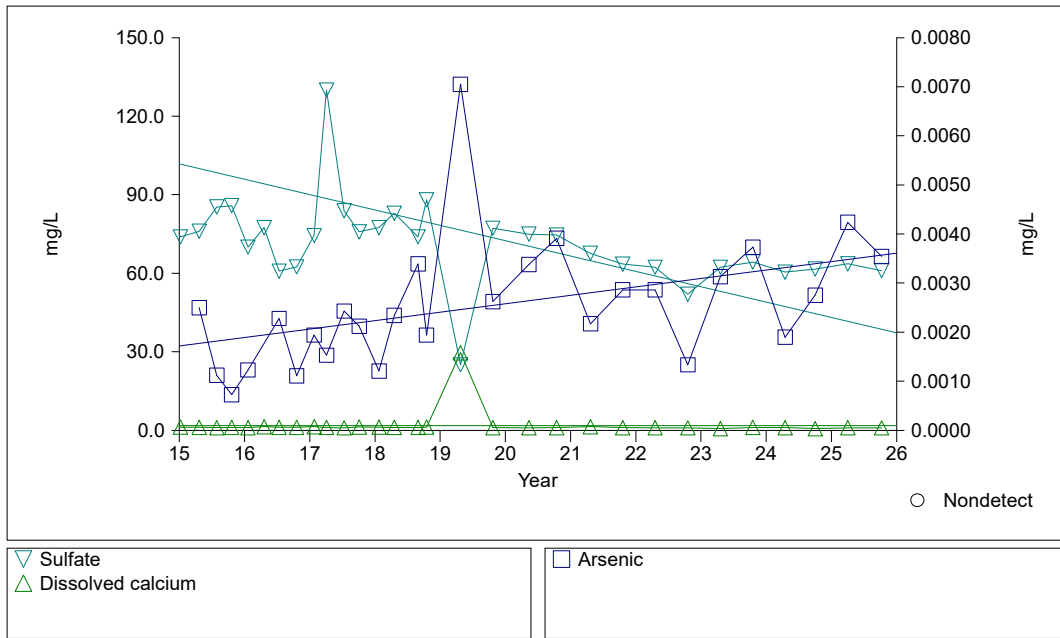
### Cathcart Landfill

Time Series Plot for G-02D



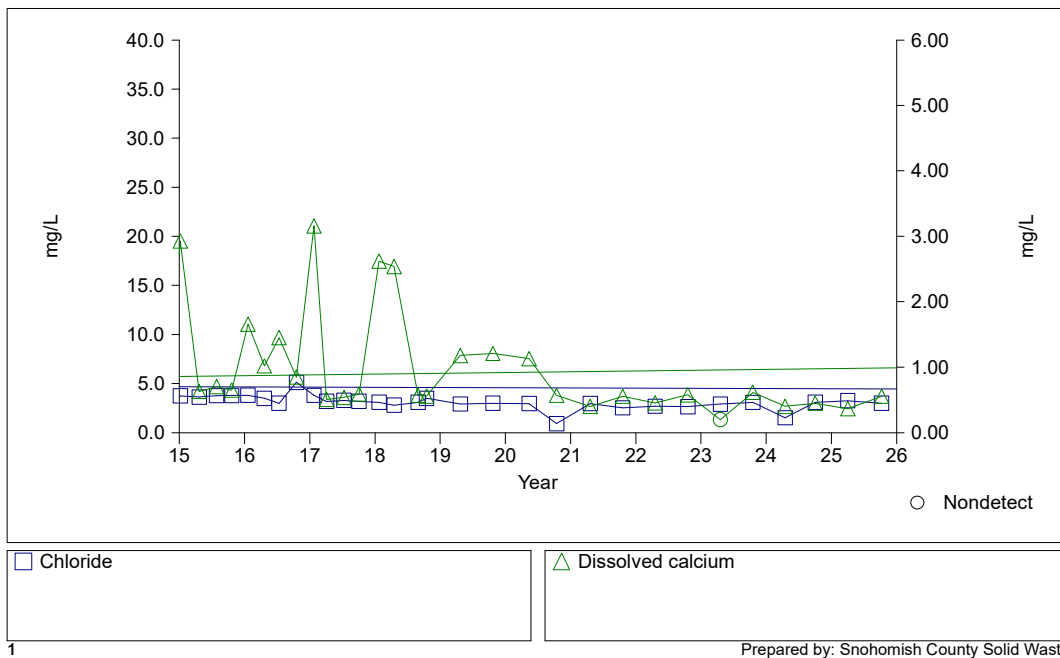
### Cathcart Landfill

Time Series Plot for G-06B



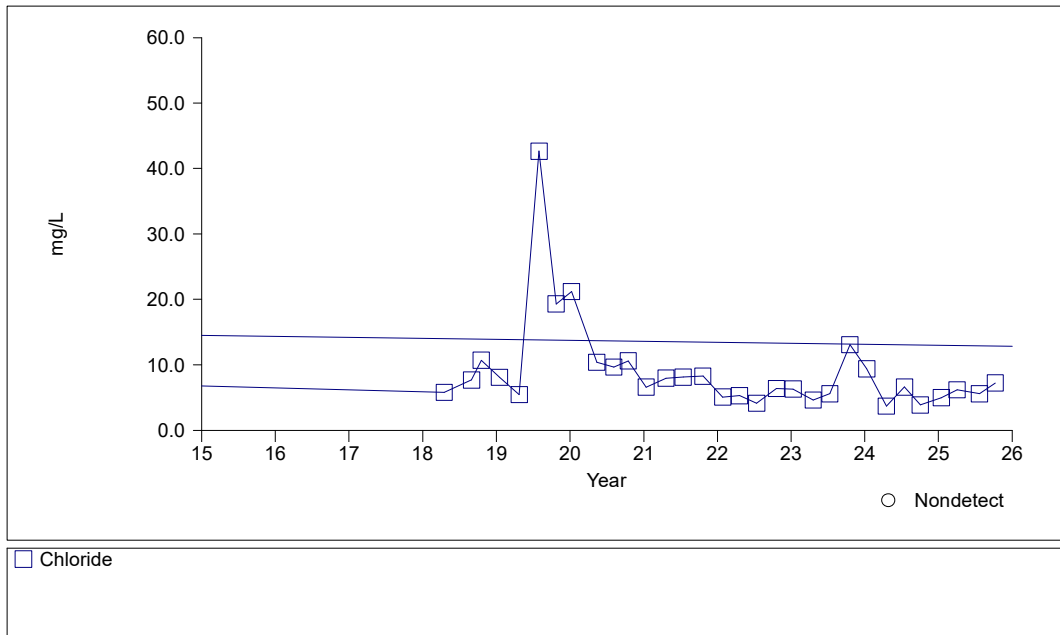
### Cathcart Landfill

Time Series Plot for G-08D2



### Cathcart Landfill

Time Series Plot for G-09D

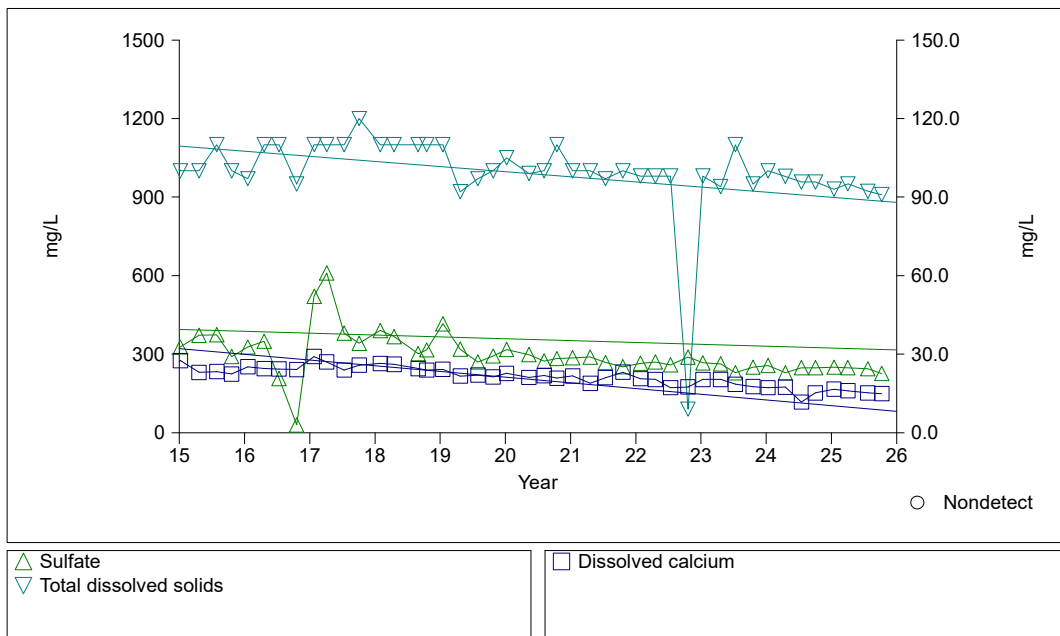


1

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### Cathcart Landfill

Time Series Plot for G-10D

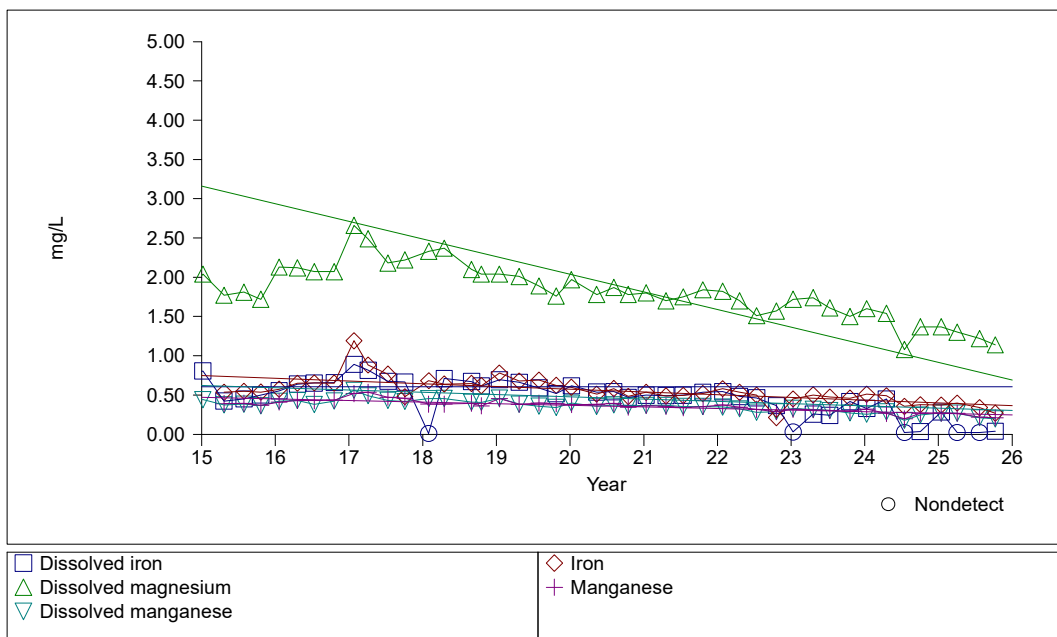


1

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### Cathcart Landfill

Time Series Plot for G-10D

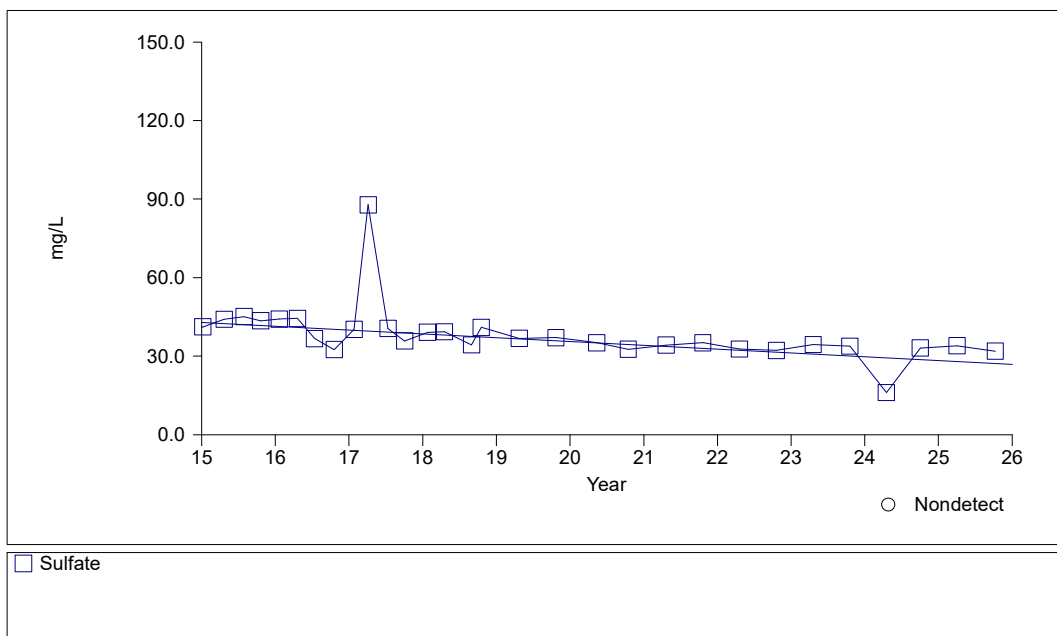


1

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### Cathcart Landfill

Time Series Plot for G-13D

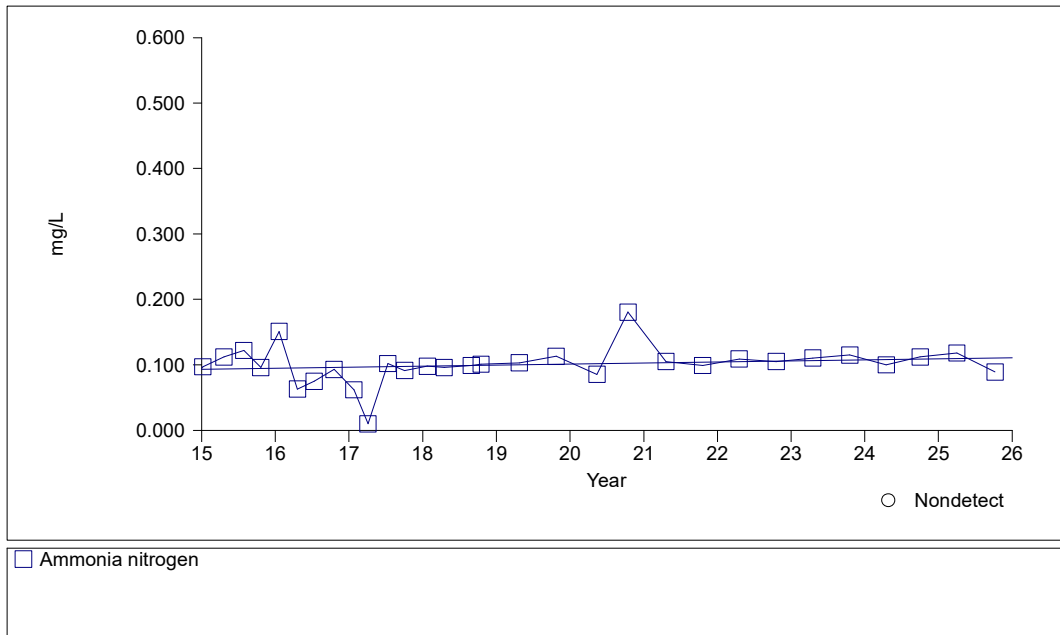


1

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### Cathcart Landfill

Time Series Plot for G-24D



# Appendix D

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## **Field Monitoring Forms**



Snohomish County Solid Waste  
Environmental Services Section  
8915 Cathcart Way  
Snohomish, WA 98296

## Field Sampling Data

**Sample Number:** 22732      **Conditions:** Overcast  
**Date:** 1/14/2025      **Site:** Cathcart  
**Time:** 9:40 AM      **Location:** G-10S

### Well Information:

**Well Depth:** 44 ft      **Water Depth:** 22.42 ft

### Surface Measurements:

**Flow Rate:**      **Measure Method:**

### Field Chemistry Tests:

**Purge Volume:** 3.45 gallons

|        | Type | pH   | Cond    | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|---------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 5.86 | 1284 µS | 11   | Clear | Very Fine |           |             |     |      |
| Test 2 | Grab | 6.11 | 1284 µS | 11.7 | Clear | Very Fine |           |             |     |      |
| Test 3 | Grab | 6.27 | 1274 µS | 11.5 | Clear | Very Fine |           |             |     |      |

### Sampling:

**Sample Depth:** 23.27 ft      **Sample Type:** Standard Ground - Water

**Sample Time:** 10:00

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

### Notes:

**Number of Bottles:** 8

**Operator/Witness:** Trina Arnold

**Sampler:** Matt Lawless



Snohomish County Solid Waste  
Environmental Services Section  
8915 Cathcart Way  
Snohomish, WA 98296

## Field Sampling Data

|                       |           |                    |          |
|-----------------------|-----------|--------------------|----------|
| <b>Sample Number:</b> | 22731     | <b>Conditions:</b> | Overcast |
| <b>Date:</b>          | 1/14/2025 | <b>Site:</b>       | Cathcart |
| <b>Time:</b>          | 9:40 AM   | <b>Location:</b>   | G-10D    |

### Well Information:

|                    |       |                     |          |
|--------------------|-------|---------------------|----------|
| <b>Well Depth:</b> | 82 ft | <b>Water Depth:</b> | 30.07 ft |
|--------------------|-------|---------------------|----------|

### Surface Measurements:

|                   |                        |
|-------------------|------------------------|
| <b>Flow Rate:</b> | <b>Measure Method:</b> |
|-------------------|------------------------|

### Field Chemistry Tests:

**Purge Volume:** 8.31 gallons

|        | Type | pH   | Cond    | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|---------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 6.63 | 1520 µS | 10.7 | Clear | Very Fine |           |             |     |      |

### Sampling:

|                      |          |                     |                         |
|----------------------|----------|---------------------|-------------------------|
| <b>Sample Depth:</b> | 35.21 ft | <b>Sample Type:</b> | Standard Ground - Water |
|----------------------|----------|---------------------|-------------------------|

**Sample Time:** 10:30

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

### Notes:

**Number of Bottles: 8**

**Operator/Witness: Trina Arnold**

**Sampler: Matt Lawless**





Snohomish County Solid Waste  
Environmental Services Section  
8915 Cathcart Way  
Snohomish, WA 98296

## Field Sampling Data

**Sample Number:** 22730 **Conditions:** Overcast  
**Date:** 1/14/2025 **Site:** Cathcart  
**Time:** 9:14 AM **Location:** G-09D

### Well Information:

**Well Depth:** **Water Depth:**

### Surface Measurements:

**Flow Rate:** **Measure Method:**

### Field Chemistry Tests:

**Purge Volume:**

| Type | pH | Cond | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|------|----|------|------|-------|-----------|-----------|-------------|-----|------|
|------|----|------|------|-------|-----------|-----------|-------------|-----|------|

### Sampling:

**Sample Depth:** 81 ft **Sample Type:** Standard Ground - Water

**Sample Time:** 09:25

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:** Split sample. See field data on 22729. Dry 2 gallons into second purge.

**Number of Bottles:** 8

**Operator/Witness:** Trina Arnold

**Sampler:** Matt Lawless



**Sample Number:** 22729 **Conditions:** Overcast  
**Date:** 1/14/2025 **Site:** Cathcart  
**Time:** 9:14 AM **Location:** G-09D

**Well Information:**

**Well Depth:** 81 ft **Water Depth:** 50.55 ft

**Surface Measurements:**

**Flow Rate:** **Measure Method:**

**Field Chemistry Tests:**

**Purge Volume:** 4.87 gallons

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 8.32 | 709 µS | 11.9 | Clear | Very Fine |           |             |     |      |
| Test 2 | Grab | 8.62 | 703 µS | 12.4 | Clear | Very Fine |           |             |     |      |

**Sampling:**

**Sample Depth:** 81 ft **Sample Type:** Standard Ground - Water

**Sample Time:** 09:25

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:** Split sample with 22730. Dry 2 gallons into second purge.

**Number of Bottles:** 8

**Operator/Witness:** Trina Arnold

**Sampler:** Matt Lawless



Snohomish County Solid Waste  
Environmental Services Section  
8915 Cathcart Way  
Snohomish, WA 98296

## Field Sampling Data

|                       |           |                    |          |
|-----------------------|-----------|--------------------|----------|
| <b>Sample Number:</b> | 22728     | <b>Conditions:</b> | Overcast |
| <b>Date:</b>          | 1/14/2025 | <b>Site:</b>       | Cathcart |
| <b>Time:</b>          | 9:08 AM   | <b>Location:</b>   | G-09S    |

### Well Information:

|                    |         |                     |          |
|--------------------|---------|---------------------|----------|
| <b>Well Depth:</b> | 51.5 ft | <b>Water Depth:</b> | 30.19 ft |
|--------------------|---------|---------------------|----------|

### Surface Measurements:

|                   |                        |
|-------------------|------------------------|
| <b>Flow Rate:</b> | <b>Measure Method:</b> |
|-------------------|------------------------|

### Field Chemistry Tests:

**Purge Volume:** 3.41 gallons

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 5.47 | 950 µS | 12.5 | Clear | Very Fine |           |             |     |      |

### Sampling:

|                      |         |                     |                         |
|----------------------|---------|---------------------|-------------------------|
| <b>Sample Depth:</b> | 51.5 ft | <b>Sample Type:</b> | Standard Ground - Water |
|----------------------|---------|---------------------|-------------------------|

**Sample Time:** 09:30

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:** Dry after first purge.

**Number of Bottles:** 8

**Operator/Witness:** Trina Arnold

**Sampler:** Matt Lawless



|                       |          |                    |               |
|-----------------------|----------|--------------------|---------------|
| <b>Sample Number:</b> | 22830    | <b>Conditions:</b> | Precip - rain |
| <b>Date:</b>          | 4/2/2025 | <b>Site:</b>       | Cathcart      |
| <b>Time:</b>          | 9:58 AM  | <b>Location:</b>   | G-13D         |

**Well Information:**

|                    |         |                     |          |
|--------------------|---------|---------------------|----------|
| <b>Well Depth:</b> | 44.9 ft | <b>Water Depth:</b> | 10.91 ft |
|--------------------|---------|---------------------|----------|

**Surface Measurements:**

|                   |                        |
|-------------------|------------------------|
| <b>Flow Rate:</b> | <b>Measure Method:</b> |
|-------------------|------------------------|

**Field Chemistry Tests:**

**Purge Volume:** 5.44 gallons

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 8.49 | 467 µS | 10.3 | Clear | Fine      |           |             |     |      |
| Test 2 | Grab | 8.62 | 461 µS | 10.6 | Clear | Medium    |           |             |     |      |
| Test 3 | Grab | 8.64 | 458 µS | 10.7 | Clear | Medium    |           |             |     |      |

**Sampling:**

|                      |          |                     |                         |
|----------------------|----------|---------------------|-------------------------|
| <b>Sample Depth:</b> | 17.32 ft | <b>Sample Type:</b> | Standard Ground - Water |
|----------------------|----------|---------------------|-------------------------|

**Sample Time:** 10:20

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:**

**Number of Bottles:** 8

**Operator/Witness:** Arianna Wald

**Sampler:** Trina Arnold



Snohomish County Solid Waste  
Environmental Services Section  
8915 Cathcart Way  
Snohomish, WA 98296

## Field Sampling Data

**Sample Number:** 22829      **Conditions:** Precip - rain  
**Date:** 4/2/2025      **Site:** Cathcart  
**Time:** 9:57 AM      **Location:** G-11S

### Well Information:

**Well Depth:** 41.2 ft      **Water Depth:** 17.83 ft

### Surface Measurements:

**Flow Rate:**      **Measure Method:**

### Field Chemistry Tests:

**Purge Volume:** 3.74 gallons

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 5.27 | 215 µS | 10.9 | Clear | Fine      |           |             |     |      |
| Test 2 | Grab | 5.6  | 230 µS | 11.3 | Clear | Fine      |           |             |     |      |

### Sampling:

**Sample Depth:**      **Sample Type:** Standard Ground - Water

**Sample Time:** 10:30

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:** dry after 2 purges

**Number of Bottles:** 8

**Operator/Witness:** Arianna Wald

**Sampler:** Trina Arnold



**Sample Number:** 22828 **Conditions:** Precip - rain  
**Date:** 4/2/2025 **Site:** Cathcart  
**Time:** 8:57 AM **Location:** G-10D

**Well Information:**

**Well Depth:** **Water Depth:**

**Surface Measurements:**

**Flow Rate:** **Measure Method:**

**Field Chemistry Tests:**

**Purge Volume:**

| Type | pH | Cond | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|------|----|------|------|-------|-----------|-----------|-------------|-----|------|
|------|----|------|------|-------|-----------|-----------|-------------|-----|------|

**Sampling:**

**Sample Depth:** 35.75 ft **Sample Type:** Standard Ground - Water

**Sample Time:** 09:45

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:** Split sample. See 22827 for field measurements.

**Number of Bottles:** 8

**Operator/Witness:** Arianna Wald

**Sampler:** Trina Arnold



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## Field Sampling Data

**Sample Number:** 22827      **Conditions:** Precip - rain  
**Date:** 4/2/2025      **Site:** Cathcart  
**Time:** 8:57 AM      **Location:** G-10D

### Well Information:

**Well Depth:** 82 ft      **Water Depth:** 30.28 ft

### Surface Measurements:

**Flow Rate:**      **Measure Method:**

### Field Chemistry Tests:

**Purge Volume:** 8.28 gallons

|        | Type | pH   | Cond    | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|---------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 6.61 | 1482 µS | 10.8 | Clear | Very Fine |           |             |     |      |

### Sampling:

**Sample Depth:** 35.75 ft      **Sample Type:** Standard Ground - Water

**Sample Time:** 09:45

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:** Split sample with 22828.

**Number of Bottles:** 8

**Operator/Witness:** Arianna Wald

**Sampler:** Trina Arnold



**Sample Number:** 22826      **Conditions:** Precip - rain  
**Date:** 4/2/2025      **Site:** Cathcart  
**Time:** 8:56 AM      **Location:** G-10S

**Well Information:**

**Well Depth:** 44 ft      **Water Depth:** 22.69 ft

**Surface Measurements:**

**Flow Rate:**      **Measure Method:**

**Field Chemistry Tests:**

**Purge Volume:** 3.41 gallons

|        | Type | pH   | Cond    | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|---------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 6.04 | 1281 µS | 11.2 | Clear | Fine      |           |             |     |      |
| Test 2 | Grab | 6.06 | 1276 µS | 11.2 | Clear | Fine      |           |             |     |      |
| Test 3 | Grab | 6.27 | 1270 µS | 11.1 | Clear | Fine      |           |             |     |      |

**Sampling:**

**Sample Depth:** 23.29 ft      **Sample Type:** Standard Ground - Water

**Sample Time:** 09:25

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:**

**Number of Bottles:** 8

**Operator/Witness:** Arianna Wald

**Sampler:** Trina Arnold





**Sample Number:** 22825      **Conditions:** Precip - rain  
**Date:** 4/2/2025      **Site:** Cathcart  
**Time:** 8:36 AM      **Location:** G-09S

**Well Information:**

**Well Depth:** 51.5 ft      **Water Depth:** 29.29 ft

**Surface Measurements:**

**Flow Rate:**      **Measure Method:**

**Field Chemistry Tests:**

**Purge Volume:** 3.55 gallons

|        | Type | pH   | Cond    | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|---------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 5.67 | 1023 µS | 11   | Clear | Very Fine |           |             |     |      |

**Sampling:**

**Sample Depth:**      **Sample Type:** Standard Ground - Water

**Sample Time:** 09:05

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:** Dry after 1 purge

**Number of Bottles:** 8

**Operator/Witness:** Arianna Wald

**Sampler:** Trina Arnold



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## Field Sampling Data

**Sample Number:** 22824      **Conditions:** Precip - rain  
**Date:** 4/2/2025      **Site:** Cathcart  
**Time:** 8:31 AM      **Location:** G-09D

### Well Information:

**Well Depth:** 81 ft      **Water Depth:** 50.25 ft

### Surface Measurements:

**Flow Rate:**      **Measure Method:**

### Field Chemistry Tests:

**Purge Volume:** 4.92 gallons

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 8.61 | 696 µS | 13.2 | Clear | Medium    |           |             |     |      |
| Test 2 | Grab | 8.8  | 683 µS | 13.3 | Clear | Medium    |           |             |     |      |

### Sampling:

**Sample Depth:**      **Sample Type:** Standard Ground - Water

**Sample Time:** 08:55

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:** dry after 1.25 gal into 2nd purge

**Number of Bottles:** 8

**Operator/Witness:** Arianna Wald

**Sampler:** Trina Arnold



**Sample Number:** 22823      **Conditions:** Precip - rain  
**Date:** 4/2/2025      **Site:** Cathcart  
**Time:** 8:14 AM      **Location:** G-04A

**Well Information:**

**Well Depth:** 20 ft      **Water Depth:** 13.71 ft

**Surface Measurements:**

**Flow Rate:**      **Measure Method:**

**Field Chemistry Tests:**

**Purge Volume:** 1.01 gallons

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 5.29 | 651 µS | 11.1 | Clear | Fine      |           |             |     |      |

**Sampling:**

**Sample Depth:**      **Sample Type:** Standard Ground - Water

**Sample Time:** 08:30

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:** Dry after 1 purge

**Number of Bottles:** 8

**Operator/Witness:** Arianna Wald

**Sampler:** Trina Arnold



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## Field Sampling Data

**Sample Number:** 22822      **Conditions:** Precip - rain  
**Date:** 4/1/2025      **Site:** Cathcart  
**Time:** 11:18 AM      **Location:** G-06B

### Well Information:

**Well Depth:** 88 ft      **Water Depth:** 33.87 ft

### Surface Measurements:

**Flow Rate:**      **Measure Method:**

### Field Chemistry Tests:

**Purge Volume:** 8.66 gallons

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 7.12 | 586 µS | 11.2 | Clear | Fine      |           |             |     |      |
| Test 2 | Grab | 7.34 | 700 µS | 11.9 | Clear | Fine      |           |             |     |      |

### Sampling:

**Sample Depth:**      **Sample Type:** Standard Ground - Water

**Sample Time:** 11:35

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:** Dry after 2nd purge

**Number of Bottles:** 8

**Operator/Witness:** Arianna Wald

**Sampler:** Matt Lawless



**Sample Number:** 22821      **Conditions:** Precip - rain  
**Date:** 4/1/2025      **Site:** Cathcart  
**Time:** 10:02 AM      **Location:** G-02D

**Well Information:**

**Well Depth:** 56.5 ft      **Water Depth:** 28.71 ft

**Surface Measurements:**

**Flow Rate:**      **Measure Method:**

**Field Chemistry Tests:**

**Purge Volume:** 4.45 gallons

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 6.74 | 347 µS | 10.1 | Clear | Medium    |           |             |     |      |
| Test 2 | Grab | 6.9  | 347 µS | 10.2 | Clear | Heavy     |           |             |     |      |

**Sampling:**

**Sample Depth:**      **Sample Type:** Standard Ground - Water

**Sample Time:** 10:35

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:** dry 2 gal into 2nd purge

**Number of Bottles:** 8

**Operator/Witness:** Arianna Wald

**Sampler:** Trina Arnold



**Sample Number:** 22820      **Conditions:** Precip - rain  
**Date:** 4/1/2025      **Site:** Cathcart  
**Time:** 9:45 AM      **Location:** G-08D2

**Well Information:**

**Well Depth:** 112.5 ft      **Water Depth:** 3.33 ft

**Surface Measurements:**

**Flow Rate:**      **Measure Method:**

**Field Chemistry Tests:**

**Purge Volume:** 17.47 gallons

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 8.85 | 487 µS | 10.5 | Clear | Medium    |           |             |     |      |
| Test 2 | Grab | 9.07 | 479 µS | 10.4 | Clear | Heavy     |           |             |     |      |
| Test 3 | Grab | 9.11 | 476 µS | 10.3 | Clear | Heavy     |           |             |     |      |

**Sampling:**

**Sample Depth:** 47.69 ft      **Sample Type:** Standard Ground - Water

**Sample Time:** 10:15

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:**

**Number of Bottles:** 8

**Operator/Witness:** Arianna Wald

**Sampler:** Trina Arnold



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## Field Sampling Data

|                       |          |                    |               |
|-----------------------|----------|--------------------|---------------|
| <b>Sample Number:</b> | 22819    | <b>Conditions:</b> | Precip - rain |
| <b>Date:</b>          | 4/1/2025 | <b>Site:</b>       | Cathcart      |
| <b>Time:</b>          | 9:44 AM  | <b>Location:</b>   | G-08D1        |

### Well Information:

|                    |         |                     |          |
|--------------------|---------|---------------------|----------|
| <b>Well Depth:</b> | 56.4 ft | <b>Water Depth:</b> | 22.41 ft |
|--------------------|---------|---------------------|----------|

### Surface Measurements:

|                   |                        |
|-------------------|------------------------|
| <b>Flow Rate:</b> | <b>Measure Method:</b> |
|-------------------|------------------------|

### Field Chemistry Tests:

**Purge Volume:** 5.44 gallons

|        | Type | pH   | Cond    | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|---------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 8.22 | 1448 µS | 10.5 | Clear | Fine      |           |             |     |      |
| Test 2 | Grab | 8.68 | 451 µS  | 10.6 | Clear | Fine      |           |             |     |      |
| Test 3 | Grab | 8.78 | 447 µS  | 10.5 | Clear | Medium    |           |             |     |      |

### Sampling:

|                      |                     |                         |
|----------------------|---------------------|-------------------------|
| <b>Sample Depth:</b> | <b>Sample Type:</b> | Standard Ground - Water |
|----------------------|---------------------|-------------------------|

**Sample Time:** 09:55

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:** dry after 3 gal into 3rd purge

**Number of Bottles:** 8

**Operator/Witness:** Arianna Wald

**Sampler:** Matt Lawless



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|                       |          |                    |               |
|-----------------------|----------|--------------------|---------------|
| <b>Sample Number:</b> | 22818    | <b>Conditions:</b> | Precip - rain |
| <b>Date:</b>          | 4/1/2025 | <b>Site:</b>       | Cathcart      |
| <b>Time:</b>          | 9:23 AM  | <b>Location:</b>   | G-01D         |

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**Well Information:**

|                    |         |                     |          |
|--------------------|---------|---------------------|----------|
| <b>Well Depth:</b> | 67.2 ft | <b>Water Depth:</b> | 24.65 ft |
|--------------------|---------|---------------------|----------|

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**Surface Measurements:**

|                   |                        |
|-------------------|------------------------|
| <b>Flow Rate:</b> | <b>Measure Method:</b> |
|-------------------|------------------------|

---

**Field Chemistry Tests:**

**Purge Volume:** 6.81 gallons

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 8.54 | 579 µS | 10.9 | Clear | Fine      |           |             |     |      |
| Test 2 | Grab | 8.6  | 580 µS | 10.9 | Clear | Medium    |           |             |     |      |
| Test 3 | Grab | 8.66 | 582 µS | 10.8 | Clear | Medium    |           |             |     |      |

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**Sampling:**

|                      |          |                     |                         |
|----------------------|----------|---------------------|-------------------------|
| <b>Sample Depth:</b> | 43.71 ft | <b>Sample Type:</b> | Standard Ground - Water |
|----------------------|----------|---------------------|-------------------------|

**Sample Time:** 11:10

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:**

**Number of Bottles:** 8

**Operator/Witness:** Arianna Wald

**Sampler:** Matt Lawless





**Sample Number:** 22817      **Conditions:** Precip - rain  
**Date:** 4/1/2025      **Site:** Cathcart  
**Time:** 9:23 AM      **Location:** G-01A

**Well Information:**

**Well Depth:** 15.65 ft      **Water Depth:** 9 ft

**Surface Measurements:**

**Flow Rate:**      **Measure Method:**

**Field Chemistry Tests:**

**Purge Volume:** 1.06 gallons

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 5.4  | 123 µS | 9.7  | Clear | Fine      |           |             |     |      |
| Test 2 | Grab | 5.62 | 122 µS | 9.8  | Clear | Fine      |           |             |     |      |
| Test 3 | Grab | 5.66 | 118 µS | 9.3  | Clear | Fine      |           |             |     |      |

**Sampling:**

**Sample Depth:** 12.36 ft      **Sample Type:** Standard Ground - Water

**Sample Time:** 11:05

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:**

**Number of Bottles:** 8

**Operator/Witness:** Arianna Wald

**Sampler:** Trina Arnold



**Sample Number:** 22816      **Conditions:** Precip - rain  
**Date:** 4/1/2025      **Site:** Cathcart  
**Time:** 8:56 AM      **Location:** G-14D

**Well Information:**

**Well Depth:** 110 ft      **Water Depth:** 30.54 ft

**Surface Measurements:**

**Flow Rate:**      **Measure Method:**

**Field Chemistry Tests:**

**Purge Volume:** 12.71 gallons

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 8.65 | 488 µS | 11.6 | Clear | Medium    |           |             |     |      |
| Test 2 | Grab | 8.89 | 487 µS | 11   | Clear | Heavy     |           |             |     |      |

**Sampling:**

**Sample Depth:**      **Sample Type:** Standard Ground - Water

**Sample Time:** 09:25

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:** Dry on 2nd purge 10 gal in

**Number of Bottles:** 8

**Operator/Witness:** Arianna Wald

**Sampler:** Matt Lawless



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## Field Sampling Data

**Sample Number:** 22815      **Conditions:** Precip - rain  
**Date:** 4/1/2025      **Site:** Cathcart  
**Time:** 8:56 AM      **Location:** G-14S

### Well Information:

**Well Depth:** 68.5 ft      **Water Depth:** 9.21 ft

### Surface Measurements:

**Flow Rate:**      **Measure Method:**

### Field Chemistry Tests:

**Purge Volume:** 9.49 gallons

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 8.31 | 372 µS | 11   | Clear | Fine      |           |             |     |      |
| Test 2 | Grab | 8.3  | 383 µS | 11   | Clear | Fine      |           |             |     |      |

### Sampling:

**Sample Depth:**      **Sample Type:** Standard Ground - Water

**Sample Time:** 09:45

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:** dry 3.5 gal into 2nd purge

**Number of Bottles:** 8

**Operator/Witness:** Arianna Wald

**Sampler:** Matt Lawless



**Sample Number:** 22814      **Conditions:** Precip - rain  
**Date:** 4/1/2025      **Site:** Cathcart  
**Time:** 8:35 AM      **Location:** G-24D

**Well Information:**

**Well Depth:** 85 ft      **Water Depth:** 18.11 ft

**Surface Measurements:**

**Flow Rate:**      **Measure Method:**

**Field Chemistry Tests:**

**Purge Volume:** 10.7 gallons

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 7.86 | 501 µS | 11.4 | Clear | Fine      |           |             |     |      |
| Test 2 | Grab | 8.03 | 500 µS | 11.2 | Clear | Fine      |           |             |     |      |
| Test 3 | Grab | 7.99 | 501 µS | 11.2 | Clear | Fine      |           |             |     |      |

**Sampling:**

**Sample Depth:** 34.31 ft      **Sample Type:** Standard Ground - Water

**Sample Time:** 09:00

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:**

**Number of Bottles:** 8

**Operator/Witness:** Arianna Wald

**Sampler:** Trina Arnold



**Sample Number:** 22813      **Conditions:** Precip - rain  
**Date:** 4/1/2025      **Site:** Cathcart  
**Time:** 8:35 AM      **Location:** G-24S

**Well Information:**

**Well Depth:** 26.5 ft      **Water Depth:** 12.81 ft

**Surface Measurements:**

**Flow Rate:**      **Measure Method:**

**Field Chemistry Tests:**

**Purge Volume:** 2.19 gallons

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 5.17 | 388 µS | 12   | Clear | Fine      |           |             |     |      |
| Test 2 | Grab | 6.06 | 409 µS | 10.6 | Clear | Fine      |           |             |     |      |

**Sampling:**

**Sample Depth:** 22.71 ft      **Sample Type:** Standard Ground - Water

**Sample Time:** 11:50

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:** Dry 2 gal into 2nd purge

**Number of Bottles:** 8

**Operator/Witness:** Arianna Wald

**Sampler:** Trina Arnold



Snohomish County Solid Waste  
Environmental Services Section  
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Snohomish, WA 98296

## Field Sampling Data

|                       |           |                    |          |
|-----------------------|-----------|--------------------|----------|
| <b>Sample Number:</b> | 22907     | <b>Conditions:</b> | Overcast |
| <b>Date:</b>          | 7/22/2025 | <b>Site:</b>       | Cathcart |
| <b>Time:</b>          | 10:58 AM  | <b>Location:</b>   | G-10D    |

### Well Information:

|                    |       |                     |          |
|--------------------|-------|---------------------|----------|
| <b>Well Depth:</b> | 82 ft | <b>Water Depth:</b> | 31.02 ft |
|--------------------|-------|---------------------|----------|

### Surface Measurements:

|                   |                        |
|-------------------|------------------------|
| <b>Flow Rate:</b> | <b>Measure Method:</b> |
|-------------------|------------------------|

### Field Chemistry Tests:

**Purge Volume:** 8.16 gallons

|        | Type | pH   | Cond    | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|---------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 6.97 | 1438 µS | 14.6 | Clear | Fine      |           |             |     |      |

### Sampling:

|                      |          |                     |                         |
|----------------------|----------|---------------------|-------------------------|
| <b>Sample Depth:</b> | 36.59 ft | <b>Sample Type:</b> | Standard Ground - Water |
|----------------------|----------|---------------------|-------------------------|

**Sample Time:** 11:50

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

### Notes:

**Number of Bottles: 8**

**Operator/Witness: Arianna Wald**

**Sampler: Matt Lawless**



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## Field Sampling Data

**Sample Number:** 22906      **Conditions:** Overcast  
**Date:** 7/22/2025      **Site:** Cathcart  
**Time:** 10:58 AM      **Location:** G-10S

### Well Information:

**Well Depth:** 44 ft      **Water Depth:** 24.38 ft

### Surface Measurements:

**Flow Rate:**      **Measure Method:**

### Field Chemistry Tests:

**Purge Volume:** 3.14 gallons

|        | Type | pH   | Cond    | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|---------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 6.12 | 1236 µS | 13   | Clear | Fine      |           |             |     |      |
| Test 2 | Grab | 6.25 | 1261 µS | 13   | Clear | Fine      |           |             |     |      |

### Sampling:

**Sample Depth:**      **Sample Type:** Standard Ground - Water

**Sample Time:** 11:15

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:** dry after gallon and a half into second purge

**Number of Bottles:** 8

**Operator/Witness:** Arianna Wald

**Sampler:** Matt Lawless



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## Field Sampling Data

**Sample Number:** 22905 **Conditions:** Overcast  
**Date:** 7/22/2025 **Site:** Cathcart  
**Time:** 10:51 AM **Location:** G-09D

### Well Information:

**Well Depth:** **Water Depth:**

### Surface Measurements:

**Flow Rate:** **Measure Method:**

### Field Chemistry Tests:

**Purge Volume:**

| Type | pH | Cond | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|------|----|------|------|-------|-----------|-----------|-------------|-----|------|
|------|----|------|------|-------|-----------|-----------|-------------|-----|------|

### Sampling:

**Sample Depth:** **Sample Type:** Standard Ground - Water

**Sample Time:** 11:00

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:** Split sample, see 22904 for field measurements.

**Number of Bottles:** 8

**Operator/Witness:** Arianna Wald

**Sampler:** Matt Lawless





**Sample Number:** 22904 **Conditions:** Overcast  
**Date:** 7/22/2025 **Site:** Cathcart  
**Time:** 10:30 AM **Location:** G-09D

**Well Information:**

**Well Depth:** 81 ft **Water Depth:** 53.25 ft

**Surface Measurements:**

**Flow Rate:** **Measure Method:**

**Field Chemistry Tests:**

**Purge Volume:** 4.44 gallons

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 8.58 | 687 µS | 14.7 | Clear | Medium    |           |             |     |      |

**Sampling:**

**Sample Depth:** **Sample Type:** Standard Ground - Water

**Sample Time:** 11:00

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:** dry after 1. Split sample with 22905.

**Number of Bottles:** 8

**Operator/Witness:** Arianna Wald

**Sampler:** Matt Lawless



**Sample Number:** 22903 **Conditions:** Overcast  
**Date:** 7/22/2025 **Site:** Cathcart  
**Time:** 10:30 AM **Location:** G-09S

**Well Information:**

**Well Depth:** 51.5 ft **Water Depth:** 31.65 ft

**Surface Measurements:**

**Flow Rate:** **Measure Method:**

**Field Chemistry Tests:**

**Purge Volume:** 3.18 gallons

|        | Type | pH   | Cond    | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|---------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 5.67 | 1059 µS | 14.4 | Clear | Fine      |           |             |     |      |

**Sampling:**

**Sample Depth:** **Sample Type:** Standard Ground - Water

**Sample Time:** 10:50

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:** dry after 1 purge

**Number of Bottles:** 8

**Operator/Witness:** Arianna Wald

**Sampler:** Matt Lawless



Snohomish County Solid Waste  
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## Field Sampling Data

|                       |           |                    |          |
|-----------------------|-----------|--------------------|----------|
| <b>Sample Number:</b> | 22998     | <b>Conditions:</b> | Sunny    |
| <b>Date:</b>          | 10/8/2025 | <b>Site:</b>       | Cathcart |
| <b>Time:</b>          | 10:14 AM  | <b>Location:</b>   | G-11S    |

### Well Information:

|                    |         |                     |          |
|--------------------|---------|---------------------|----------|
| <b>Well Depth:</b> | 41.2 ft | <b>Water Depth:</b> | 22.63 ft |
|--------------------|---------|---------------------|----------|

### Surface Measurements:

|                   |                        |
|-------------------|------------------------|
| <b>Flow Rate:</b> | <b>Measure Method:</b> |
|-------------------|------------------------|

### Field Chemistry Tests:

**Purge Volume:** 2.97 gallons

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 5.34 | 215 µS | 11.8 | Clear | Very Fine |           |             |     |      |
| Test 2 | Grab | 5.79 | 227 µS | 11.4 | Clear | Very Fine |           |             |     |      |

### Sampling:

|                      |         |                     |                         |
|----------------------|---------|---------------------|-------------------------|
| <b>Sample Depth:</b> | 41.2 ft | <b>Sample Type:</b> | Standard Ground - Water |
|----------------------|---------|---------------------|-------------------------|

**Sample Time:** 10:20

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:** Dry after second purge.

**Number of Bottles:** 8

**Operator/Witness:** Trina Arnold

**Sampler:** Matt Lawless



**Sample Number:** 22997 **Conditions:** Sunny  
**Date:** 10/8/2025 **Site:** Cathcart  
**Time:** 9:59 AM **Location:** G-13D

**Well Information:**

**Well Depth:** 44.9 ft **Water Depth:** 14.18 ft

**Surface Measurements:**

**Flow Rate:** **Measure Method:**

**Field Chemistry Tests:**

**Purge Volume:** 4.92 gallons

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 8.38 | 425 µS | 11   | Clear | Very Fine |           |             |     |      |
| Test 2 | Grab | 8.53 | 422 µS | 10.9 | Clear | Very Fine |           |             |     |      |
| Test 3 | Grab | 8.53 | 420 µS | 11   | Clear | Very Fine |           |             |     |      |

**Sampling:**

**Sample Depth:** 20.7 ft **Sample Type:** Standard Ground - Water

**Sample Time:** 10:05

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:**

**Number of Bottles:** 8

**Operator/Witness:** Trina Arnold

**Sampler:** Matt Lawless



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## Field Sampling Data

**Sample Number:** 22996      **Conditions:** Sunny  
**Date:** 10/8/2025      **Site:** Cathcart  
**Time:** 9:05 AM      **Location:** G-10S

### Well Information:

**Well Depth:** 44 ft      **Water Depth:** 25.91 ft

### Surface Measurements:

**Flow Rate:**      **Measure Method:**

### Field Chemistry Tests:

**Purge Volume:** 2.89 gallons

|        | Type | pH   | Cond    | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|---------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 5.92 | 1157 µS | 12   | Clear | Very Fine |           |             |     |      |
| Test 2 | Grab | 6.05 | 1162 µS | 11.8 | Clear | Very Fine |           |             |     |      |

### Sampling:

**Sample Depth:** 44 ft      **Sample Type:** Standard Ground - Water

**Sample Time:** 09:15

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:** Dry 1 gallon into second purge.

**Number of Bottles:** 8

**Operator/Witness:** Trina Arnold

**Sampler:** Matt Lawless



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## Field Sampling Data

|                       |           |                    |          |
|-----------------------|-----------|--------------------|----------|
| <b>Sample Number:</b> | 22995     | <b>Conditions:</b> | Sunny    |
| <b>Date:</b>          | 10/8/2025 | <b>Site:</b>       | Cathcart |
| <b>Time:</b>          | 9:05 AM   | <b>Location:</b>   | G-10D    |

### Well Information:

|                    |       |                     |          |
|--------------------|-------|---------------------|----------|
| <b>Well Depth:</b> | 82 ft | <b>Water Depth:</b> | 31.15 ft |
|--------------------|-------|---------------------|----------|

### Surface Measurements:

|                   |                        |
|-------------------|------------------------|
| <b>Flow Rate:</b> | <b>Measure Method:</b> |
|-------------------|------------------------|

### Field Chemistry Tests:

**Purge Volume:** 8.14 gallons

|        | Type | pH   | Cond    | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|---------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 6.71 | 1340 µS | 12.7 | Clear | Very Fine |           |             |     |      |

### Sampling:

|                      |          |                     |                         |
|----------------------|----------|---------------------|-------------------------|
| <b>Sample Depth:</b> | 37.35 ft | <b>Sample Type:</b> | Standard Ground - Water |
|----------------------|----------|---------------------|-------------------------|

**Sample Time:** 09:50

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

### Notes:

**Number of Bottles: 8**

**Operator/Witness: Trina Arnold**

**Sampler: Matt Lawless**



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## Field Sampling Data

|                       |           |                    |          |
|-----------------------|-----------|--------------------|----------|
| <b>Sample Number:</b> | 22994     | <b>Conditions:</b> | Sunny    |
| <b>Date:</b>          | 10/8/2025 | <b>Site:</b>       | Cathcart |
| <b>Time:</b>          | 8:45 AM   | <b>Location:</b>   | G-09D    |

### Well Information:

|                    |       |                     |          |
|--------------------|-------|---------------------|----------|
| <b>Well Depth:</b> | 81 ft | <b>Water Depth:</b> | 54.41 ft |
|--------------------|-------|---------------------|----------|

### Surface Measurements:

|                   |                        |
|-------------------|------------------------|
| <b>Flow Rate:</b> | <b>Measure Method:</b> |
|-------------------|------------------------|

### Field Chemistry Tests:

**Purge Volume:** 4.25 gallons

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 8.31 | 648 µS | 13.5 | Clear | Very Fine |           |             |     |      |

### Sampling:

|                      |       |                     |                         |
|----------------------|-------|---------------------|-------------------------|
| <b>Sample Depth:</b> | 81 ft | <b>Sample Type:</b> | Standard Ground - Water |
|----------------------|-------|---------------------|-------------------------|

**Sample Time:** 08:55

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:** Dry after first purge.

**Number of Bottles:** 8

**Operator/Witness:** Trina Arnold

**Sampler:** Matt Lawless



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## Field Sampling Data

|                       |           |                    |          |
|-----------------------|-----------|--------------------|----------|
| <b>Sample Number:</b> | 22993     | <b>Conditions:</b> | Sunny    |
| <b>Date:</b>          | 10/8/2025 | <b>Site:</b>       | Cathcart |
| <b>Time:</b>          | 8:44 AM   | <b>Location:</b>   | G-09S    |

### Well Information:

|                    |         |                     |          |
|--------------------|---------|---------------------|----------|
| <b>Well Depth:</b> | 51.5 ft | <b>Water Depth:</b> | 32.79 ft |
|--------------------|---------|---------------------|----------|

### Surface Measurements:

|                   |                        |
|-------------------|------------------------|
| <b>Flow Rate:</b> | <b>Measure Method:</b> |
|-------------------|------------------------|

### Field Chemistry Tests:

**Purge Volume:** 2.99 gallons

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 5.59 | 933 µS | 13.5 | Clear | Very Fine |           |             |     |      |

### Sampling:

|                      |         |                     |                         |
|----------------------|---------|---------------------|-------------------------|
| <b>Sample Depth:</b> | 51.5 ft | <b>Sample Type:</b> | Standard Ground - Water |
|----------------------|---------|---------------------|-------------------------|

**Sample Time:** 09:00

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:** Dry after first purge.

**Number of Bottles:** 8

**Operator/Witness:** Trina Arnold

**Sampler:** Matt Lawless





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## Field Sampling Data

**Sample Number:** 22992      **Conditions:** Sunny  
**Date:** 10/7/2025      **Site:** Cathcart  
**Time:** 11:29 AM      **Location:** G-06B

### Well Information:

**Well Depth:** 88 ft      **Water Depth:** 37.29 ft

### Surface Measurements:

**Flow Rate:**      **Measure Method:**

### Field Chemistry Tests:

**Purge Volume:** 8.11 gallons

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 7.2  | 599 µS | 13.2 | Clear | Very Fine |           |             |     |      |
| Test 2 | Grab | 7.29 | 633 µS | 12.9 | Clear | Very Fine |           |             |     |      |

### Sampling:

**Sample Depth:** 88 ft      **Sample Type:** Standard Ground - Water

**Sample Time:** 11:40

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:** Dry after second purge.

**Number of Bottles:** 8

**Operator/Witness:** Trina Arnold

**Sampler:** Arianna Wald



Snohomish County Solid Waste  
Environmental Services Section  
8915 Cathcart Way  
Snohomish, WA 98296

## Field Sampling Data

|                       |           |                    |          |
|-----------------------|-----------|--------------------|----------|
| <b>Sample Number:</b> | 22991     | <b>Conditions:</b> | Sunny    |
| <b>Date:</b>          | 10/7/2025 | <b>Site:</b>       | Cathcart |
| <b>Time:</b>          | 11:06 AM  | <b>Location:</b>   | G-01D    |

### Well Information:

|                    |         |                     |          |
|--------------------|---------|---------------------|----------|
| <b>Well Depth:</b> | 67.2 ft | <b>Water Depth:</b> | 27.81 ft |
|--------------------|---------|---------------------|----------|

### Surface Measurements:

|                   |                        |
|-------------------|------------------------|
| <b>Flow Rate:</b> | <b>Measure Method:</b> |
|-------------------|------------------------|

### Field Chemistry Tests:

**Purge Volume:** 6.3 gallons

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 8.59 | 529 µS | 12.1 | Clear | Fine      |           |             |     |      |
| Test 2 | Grab | 8.61 | 522 µS | 11.6 | Clear | Medium    |           |             |     |      |
| Test 3 | Grab | 8.66 | 525 µS | 12   | Clear | Heavy     |           |             |     |      |

### Sampling:

|                      |          |                     |                         |
|----------------------|----------|---------------------|-------------------------|
| <b>Sample Depth:</b> | 53.05 ft | <b>Sample Type:</b> | Standard Ground - Water |
|----------------------|----------|---------------------|-------------------------|

**Sample Time:** 11:15

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

### Notes:

**Number of Bottles:** 8

**Operator/Witness:** Trina Arnold

**Sampler:** Arianna Wald



|                       |           |                    |          |
|-----------------------|-----------|--------------------|----------|
| <b>Sample Number:</b> | 22990     | <b>Conditions:</b> | Sunny    |
| <b>Date:</b>          | 10/7/2025 | <b>Site:</b>       | Cathcart |
| <b>Time:</b>          | 11:02 AM  | <b>Location:</b>   | G-01A    |

**Well Information:**

|                    |          |                     |          |
|--------------------|----------|---------------------|----------|
| <b>Well Depth:</b> | 15.65 ft | <b>Water Depth:</b> | 11.52 ft |
|--------------------|----------|---------------------|----------|

**Surface Measurements:**

|                   |                        |
|-------------------|------------------------|
| <b>Flow Rate:</b> | <b>Measure Method:</b> |
|-------------------|------------------------|

**Field Chemistry Tests:**

**Purge Volume:** 0.66 gallons

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 4.68 | 202 µS | 13.5 | Clear | Very Fine |           |             |     |      |
| Test 2 | Grab | 4.98 | 199 µS | 13.6 | Clear | Very Fine |           |             |     |      |
| Test 3 | Grab | 5.15 | 200 µS | 13.7 | Clear | Very Fine |           |             |     |      |

**Sampling:**

|                      |          |                     |                         |
|----------------------|----------|---------------------|-------------------------|
| <b>Sample Depth:</b> | 13.44 ft | <b>Sample Type:</b> | Standard Ground - Water |
|----------------------|----------|---------------------|-------------------------|

**Sample Time:** 11:15

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:**

**Number of Bottles:** 8

**Operator/Witness:** Trina Arnold

**Sampler:** Arianna Wald



**Sample Number:** 22989      **Conditions:** Sunny  
**Date:** 10/7/2025      **Site:** Cathcart  
**Time:** 10:51 AM      **Location:** G-02D

**Well Information:**

**Well Depth:** 56.5 ft      **Water Depth:** 31.81 ft

**Surface Measurements:**

**Flow Rate:**      **Measure Method:**

**Field Chemistry Tests:**

**Purge Volume:** 3.95 gallons

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 6.68 | 327 µS | 10.6 | Clear | Very Fine |           |             |     |      |

**Sampling:**

**Sample Depth:** 56.5 ft      **Sample Type:** Standard Ground - Water

**Sample Time:** 11:00

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:** Dry after first purge.

**Number of Bottles:** 8

**Operator/Witness:** Trina Arnold

**Sampler:** Arianna Wald



|                       |           |                    |          |
|-----------------------|-----------|--------------------|----------|
| <b>Sample Number:</b> | 22988     | <b>Conditions:</b> | Sunny    |
| <b>Date:</b>          | 10/7/2025 | <b>Site:</b>       | Cathcart |
| <b>Time:</b>          | 10:42 AM  | <b>Location:</b>   | G-08D1   |

**Well Information:**

|                    |         |                     |          |
|--------------------|---------|---------------------|----------|
| <b>Well Depth:</b> | 56.4 ft | <b>Water Depth:</b> | 31.31 ft |
|--------------------|---------|---------------------|----------|

**Surface Measurements:**

|                   |                        |
|-------------------|------------------------|
| <b>Flow Rate:</b> | <b>Measure Method:</b> |
|-------------------|------------------------|

**Field Chemistry Tests:**

**Purge Volume:** 4.01 gallons

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 8.11 | 431 µS | 10.8 | Clear | Very Fine |           |             |     |      |
| Test 2 | Grab | 8.09 | 435 µS | 10.6 | Clear | Very Fine |           |             |     |      |

**Sampling:**

|                      |         |                     |                         |
|----------------------|---------|---------------------|-------------------------|
| <b>Sample Depth:</b> | 56.4 ft | <b>Sample Type:</b> | Standard Ground - Water |
|----------------------|---------|---------------------|-------------------------|

**Sample Time:** 10:50

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:** Dry after second purge.

**Number of Bottles:** 8

**Operator/Witness:** Trina Arnold

**Sampler:** Arianna Wald



Snohomish County Solid Waste  
Environmental Services Section  
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Snohomish, WA 98296

## Field Sampling Data

**Sample Number:** 22987 **Conditions:** Sunny  
**Date:** 10/7/2025 **Site:** Cathcart  
**Time:** 10:12 AM **Location:** G-08D2

### Well Information:

**Well Depth:** **Water Depth:**

### Surface Measurements:

**Flow Rate:** **Measure Method:**

### Field Chemistry Tests:

**Purge Volume:**

| Type | pH | Cond | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|------|----|------|------|-------|-----------|-----------|-------------|-----|------|
|------|----|------|------|-------|-----------|-----------|-------------|-----|------|

### Sampling:

**Sample Depth:** 55.16 ft **Sample Type:** Standard Ground - Water

**Sample Time:** 10:35

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:** Split sample. See field measurements on 22986.

**Number of Bottles:** 8

**Operator/Witness:** Trina Arnold

**Sampler:** Arianna Wald



|                       |           |                    |          |
|-----------------------|-----------|--------------------|----------|
| <b>Sample Number:</b> | 22986     | <b>Conditions:</b> | Sunny    |
| <b>Date:</b>          | 10/7/2025 | <b>Site:</b>       | Cathcart |
| <b>Time:</b>          | 10:12 AM  | <b>Location:</b>   | G-08D2   |

**Well Information:**

|                    |          |                     |         |
|--------------------|----------|---------------------|---------|
| <b>Well Depth:</b> | 112.5 ft | <b>Water Depth:</b> | 9.68 ft |
|--------------------|----------|---------------------|---------|

**Surface Measurements:**

|                   |                        |
|-------------------|------------------------|
| <b>Flow Rate:</b> | <b>Measure Method:</b> |
|-------------------|------------------------|

**Field Chemistry Tests:**

**Purge Volume:** 16.45 gallons

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 8.77 | 423 µS | 11.2 | Clear | Heavy     |           |             |     |      |
| Test 2 | Grab | 8.94 | 436 µS | 11   | Clear | Medium    |           |             |     |      |
| Test 3 | Grab | 8.97 | 431 µS | 11   | Clear | Medium    |           |             |     |      |

**Sampling:**

|                      |          |                     |                         |
|----------------------|----------|---------------------|-------------------------|
| <b>Sample Depth:</b> | 55.16 ft | <b>Sample Type:</b> | Standard Ground - Water |
|----------------------|----------|---------------------|-------------------------|

**Sample Time:** 10:35

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:** Split sample with 22987.

**Number of Bottles:** 8

**Operator/Witness:** Trina Arnold

**Sampler:** Arianna Wald



**Sample Number:** 22985      **Conditions:** Sunny  
**Date:** 10/7/2025      **Site:** Cathcart  
**Time:** 9:34 AM      **Location:** G-14S

**Well Information:**

**Well Depth:** 68.5 ft      **Water Depth:** 20.94 ft

**Surface Measurements:**

**Flow Rate:**      **Measure Method:**

**Field Chemistry Tests:**

**Purge Volume:** 7.61 gallons

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 7.95 | 348 µS | 11.8 | Clear | Very Fine |           |             |     |      |
| Test 2 | Grab | 8.03 | 351 µS | 11.5 | Clear | Very Fine |           |             |     |      |

**Sampling:**

**Sample Depth:** 68.5 ft      **Sample Type:** Standard Ground - Water

**Sample Time:** 10:00

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:** Dry 2 gals into second purge.

**Number of Bottles:** 8

**Operator/Witness:** Trina Arnold

**Sampler:** Arianna Wald





**Sample Number:** 22984 **Conditions:** Sunny  
**Date:** 10/7/2025 **Site:** Cathcart  
**Time:** 9:33 AM **Location:** G-14D

**Well Information:**

**Well Depth:** 110 ft **Water Depth:** 32.01 ft

**Surface Measurements:**

**Flow Rate:** **Measure Method:**

**Field Chemistry Tests:**

**Purge Volume:** 12.48 gallons

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 8.57 | 447 µS | 11.9 | Clear | Medium    |           |             |     |      |
| Test 2 | Grab | 8.77 | 447    | 12   | Clear | Heavy     |           |             |     |      |

**Sampling:**

**Sample Depth:** 110 ft **Sample Type:** Standard Ground - Water

**Sample Time:** 09:55

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:** Dry 8.5 gallons into second purge.

**Number of Bottles:** 8

**Operator/Witness:** Trina Arnold

**Sampler:** Arianna Wald



Snohomish County Solid Waste  
Environmental Services Section  
8915 Cathcart Way  
Snohomish, WA 98296

## Field Sampling Data

|                       |           |                    |          |
|-----------------------|-----------|--------------------|----------|
| <b>Sample Number:</b> | 22983     | <b>Conditions:</b> | Sunny    |
| <b>Date:</b>          | 10/7/2025 | <b>Site:</b>       | Cathcart |
| <b>Time:</b>          | 9:00 AM   | <b>Location:</b>   | G-24D    |

### Well Information:

|                    |       |                     |          |
|--------------------|-------|---------------------|----------|
| <b>Well Depth:</b> | 85 ft | <b>Water Depth:</b> | 19.91 ft |
|--------------------|-------|---------------------|----------|

### Surface Measurements:

|                   |                        |
|-------------------|------------------------|
| <b>Flow Rate:</b> | <b>Measure Method:</b> |
|-------------------|------------------------|

### Field Chemistry Tests:

**Purge Volume:** 10.41 gallons

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 7.68 | 458 µS | 11.9 | Clear | Very Fine |           |             |     |      |
| Test 2 | Grab | 7.85 | 463 µS | 11.7 | Clear | Very Fine |           |             |     |      |
| Test 3 | Grab | 7.86 | 458 µS | 11.7 | Clear | Very Fine |           |             |     |      |

### Sampling:

|                      |          |                     |                         |
|----------------------|----------|---------------------|-------------------------|
| <b>Sample Depth:</b> | 34.77 ft | <b>Sample Type:</b> | Standard Ground - Water |
|----------------------|----------|---------------------|-------------------------|

**Sample Time:** 09:15

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

### Notes:

**Number of Bottles:** 8

**Operator/Witness:** Trina Arnold

**Sampler:** Arianna Wald



Snohomish County Solid Waste  
Environmental Services Section  
8915 Cathcart Way  
Snohomish, WA 98296

## Field Sampling Data

|                       |           |                    |          |
|-----------------------|-----------|--------------------|----------|
| <b>Sample Number:</b> | 22982     | <b>Conditions:</b> | Sunny    |
| <b>Date:</b>          | 10/7/2025 | <b>Site:</b>       | Cathcart |
| <b>Time:</b>          | 8:53 AM   | <b>Location:</b>   | G-24S    |

### Well Information:

|                    |         |                     |          |
|--------------------|---------|---------------------|----------|
| <b>Well Depth:</b> | 26.5 ft | <b>Water Depth:</b> | 14.67 ft |
|--------------------|---------|---------------------|----------|

### Surface Measurements:

|                   |                        |
|-------------------|------------------------|
| <b>Flow Rate:</b> | <b>Measure Method:</b> |
|-------------------|------------------------|

### Field Chemistry Tests:

**Purge Volume:** 1.89 gallons

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 5.72 | 360 µS | 11.7 | Clear | Very Fine |           |             |     |      |
| Test 2 | Grab | 6.18 | 394 µS | 11.2 | Clear | Very Fine |           |             |     |      |

### Sampling:

|                      |          |                     |                         |
|----------------------|----------|---------------------|-------------------------|
| <b>Sample Depth:</b> | 22.91 ft | <b>Sample Type:</b> | Standard Ground - Water |
|----------------------|----------|---------------------|-------------------------|

**Sample Time:** 12:55

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | Dedicator     | 1000   | Clpl        | None         |
| Bottle 2 | Grab        | Dedicator     | 250    | Clpl        | HNO3R        |
| Bottle 3 | Grab        | Dedicator     | 250    | Clpl        | H2SO4        |
| Bottle 4 | Grab        | Dedicator     | 250    | Clpl        | HNO3         |
| Bottle 5 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 6 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 7 | Grab        | Dedicator     | 40     | Glass       | HCL          |
| Bottle 8 | Grab        | Dedicator     | 40     | Glass       | HCL          |

**Notes:** Dry after 2nd purge.

**Number of Bottles:** 8

**Operator/Witness:** Trina Arnold

**Sampler:** Arianna Wald



Snohomish County Solid Waste  
Environmental Services Section  
8915 Cathcart Way  
Snohomish, WA 98296

## Field Sampling Data

|                       |           |                    |          |
|-----------------------|-----------|--------------------|----------|
| <b>Sample Number:</b> | 22981     | <b>Conditions:</b> | Sunny    |
| <b>Date:</b>          | 10/7/2025 | <b>Site:</b>       | Cathcart |
| <b>Time:</b>          | 8:47 AM   | <b>Location:</b>   | G-04A    |

### Well Information:

|                    |                     |
|--------------------|---------------------|
| <b>Well Depth:</b> | <b>Water Depth:</b> |
|--------------------|---------------------|

### Surface Measurements:

|                   |                        |
|-------------------|------------------------|
| <b>Flow Rate:</b> | <b>Measure Method:</b> |
|-------------------|------------------------|

### Field Chemistry Tests:

**Purge Volume:**

| Type | pH | Cond | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|------|----|------|------|-------|-----------|-----------|-------------|-----|------|
|------|----|------|------|-------|-----------|-----------|-------------|-----|------|

### Sampling:

|                      |                     |
|----------------------|---------------------|
| <b>Sample Depth:</b> | <b>Sample Type:</b> |
|----------------------|---------------------|

**Sample Time:**

|             |               |        |             |              |
|-------------|---------------|--------|-------------|--------------|
| Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|-------------|---------------|--------|-------------|--------------|

**Notes: Hitting the top of the pump. No water to sample.**

**Number of Bottles:**

**Operator/Witness: Trina Arnold**

**Sampler: Arianna Wald**



**Sample Number:** 22737 **Conditions:** Overcast  
**Date:** 1/14/2025 **Site:** Cathcart  
**Time:** 11:14 AM **Location:** CC-NSDP

**Well Information:**

**Well Depth:** **Water Depth:**

**Surface Measurements:**

**Flow Rate:** **Measure Method:**

**Field Chemistry Tests:**

**Purge Volume:**

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 5.58 | 170 µS | 6.3  | Clear | Very Fine |           |             |     |      |

**Sampling:**

**Sample Depth:** **Sample Type:** Standard Surface - Water

**Sample Time:** 11:15

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | [Undefined]   | 250    | Clpl        | None         |
| Bottle 2 | Grab        | [Undefined]   | 250    | Clpl        | EDTA         |
| Bottle 3 | Grab        | [Undefined]   | 250    | Clpl        | H2SO4        |

**Notes:**

**Number of Bottles:** 3

**Operator/Witness:** Trina Arnold

**Sampler:** Matt Lawless



Snohomish County Solid Waste  
Environmental Services Section  
8915 Cathcart Way  
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## Field Sampling Data

**Sample Number:** 22736 **Conditions:** Overcast  
**Date:** 1/14/2025 **Site:** Cathcart  
**Time:** 11:07 AM **Location:** CC-D

### Well Information:

**Well Depth:** **Water Depth:**

### Surface Measurements:

**Flow Rate:** **Measure Method:**

### Field Chemistry Tests:

#### Purge Volume:

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 5.55 | 174 µS | 6.3  | Clear | Very Fine |           |             |     |      |

### Sampling:

**Sample Depth:** **Sample Type:** Standard Surface - Water

**Sample Time:** 11:10

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | [Undefined]   | 250    | Clpl        | None         |
| Bottle 2 | Grab        | [Undefined]   | 250    | Clpl        | EDTA         |
| Bottle 3 | Grab        | [Undefined]   | 250    | Clpl        | H2SO4        |

### Notes:

**Number of Bottles:** 3

**Operator/Witness:** Trina Arnold

**Sampler:** Matt Lawless



Snohomish County Solid Waste  
Environmental Services Section  
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## Field Sampling Data

**Sample Number:** 22735 **Conditions:** Overcast  
**Date:** 1/14/2025 **Site:** Cathcart  
**Time:** 10:59 AM **Location:** CC-F

### Well Information:

**Well Depth:** **Water Depth:**

### Surface Measurements:

**Flow Rate:** **Measure Method:**

### Field Chemistry Tests:

#### Purge Volume:

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 6.03 | 136 µS | 5.3  | Clear | Very Fine |           |             |     |      |

### Sampling:

**Sample Depth:** **Sample Type:** Standard Surface - Water

**Sample Time:** 11:00

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | [Undefined]   | 250    | Clpl        | None         |
| Bottle 2 | Grab        | [Undefined]   | 250    | Clpl        | EDTA         |
| Bottle 3 | Grab        | [Undefined]   | 250    | Clpl        | H2SO4        |

### Notes:

**Number of Bottles:** 3

**Operator/Witness:** Trina Arnold

**Sampler:** Matt Lawless



Snohomish County Solid Waste  
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## Field Sampling Data

|                       |           |                    |          |
|-----------------------|-----------|--------------------|----------|
| <b>Sample Number:</b> | 22734     | <b>Conditions:</b> | Overcast |
| <b>Date:</b>          | 1/14/2025 | <b>Site:</b>       | Cathcart |
| <b>Time:</b>          | 10:48 AM  | <b>Location:</b>   | CC-B1    |

### Well Information:

|                    |                     |
|--------------------|---------------------|
| <b>Well Depth:</b> | <b>Water Depth:</b> |
|--------------------|---------------------|

### Surface Measurements:

|                   |                        |
|-------------------|------------------------|
| <b>Flow Rate:</b> | <b>Measure Method:</b> |
|-------------------|------------------------|

### Field Chemistry Tests:

#### Purge Volume:

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 5.89 | 139 µS | 4.7  | Clear | Very Fine |           |             |     |      |

### Sampling:

|                      |                     |                          |
|----------------------|---------------------|--------------------------|
| <b>Sample Depth:</b> | <b>Sample Type:</b> | Standard Surface - Water |
|----------------------|---------------------|--------------------------|

|                     |       |
|---------------------|-------|
| <b>Sample Time:</b> | 10:50 |
|---------------------|-------|

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | [Undefined]   | 250    | Clpl        | None         |
| Bottle 2 | Grab        | [Undefined]   | 250    | Clpl        | EDTA         |
| Bottle 3 | Grab        | [Undefined]   | 250    | Clpl        | H2SO4        |

### Notes:

**Number of Bottles: 3**

**Operator/Witness: Trina Arnold**

**Sampler: Matt Lawless**





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## Field Sampling Data

|                       |           |                    |          |
|-----------------------|-----------|--------------------|----------|
| <b>Sample Number:</b> | 22733     | <b>Conditions:</b> | Overcast |
| <b>Date:</b>          | 1/14/2025 | <b>Site:</b>       | Cathcart |
| <b>Time:</b>          | 10:40 AM  | <b>Location:</b>   | CC-A1    |

### Well Information:

|                    |                     |
|--------------------|---------------------|
| <b>Well Depth:</b> | <b>Water Depth:</b> |
|--------------------|---------------------|

### Surface Measurements:

|                   |                        |
|-------------------|------------------------|
| <b>Flow Rate:</b> | <b>Measure Method:</b> |
|-------------------|------------------------|

### Field Chemistry Tests:

#### Purge Volume:

|        | Type | pH   | Cond   | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|--------|------|------|--------|------|-------|-----------|-----------|-------------|-----|------|
| Test 1 | Grab | 5.52 | 120 µS | 5.3  | Clear | Very Fine |           |             |     |      |

### Sampling:

|                      |                     |                          |
|----------------------|---------------------|--------------------------|
| <b>Sample Depth:</b> | <b>Sample Type:</b> | Standard Surface - Water |
|----------------------|---------------------|--------------------------|

|                     |       |
|---------------------|-------|
| <b>Sample Time:</b> | 10:40 |
|---------------------|-------|

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | [Undefined]   | 250    | Clpl        | None         |
| Bottle 2 | Grab        | [Undefined]   | 250    | Clpl        | EDTA         |
| Bottle 3 | Grab        | [Undefined]   | 250    | Clpl        | H2SO4        |

### Notes:

**Number of Bottles: 3**

**Operator/Witness: Trina Arnold**

**Sampler: Matt Lawless**



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## Field Sampling Data

|                       |           |                    |          |
|-----------------------|-----------|--------------------|----------|
| <b>Sample Number:</b> | 22912     | <b>Conditions:</b> | Overcast |
| <b>Date:</b>          | 7/22/2025 | <b>Site:</b>       | Cathcart |
| <b>Time:</b>          | 11:26 AM  | <b>Location:</b>   | CC-NSDP  |

### Well Information:

|                    |                     |
|--------------------|---------------------|
| <b>Well Depth:</b> | <b>Water Depth:</b> |
|--------------------|---------------------|

### Surface Measurements:

|                   |                        |
|-------------------|------------------------|
| <b>Flow Rate:</b> | <b>Measure Method:</b> |
|-------------------|------------------------|

### Field Chemistry Tests:

**Purge Volume:**

| Type | pH | Cond | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|------|----|------|------|-------|-----------|-----------|-------------|-----|------|
|------|----|------|------|-------|-----------|-----------|-------------|-----|------|

### Sampling:

|                      |                     |                          |
|----------------------|---------------------|--------------------------|
| <b>Sample Depth:</b> | <b>Sample Type:</b> | Standard Surface - Water |
|----------------------|---------------------|--------------------------|

**Sample Time:**

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | [Undefined]   | 250    | Clpl        | None         |
| Bottle 2 | Grab        | [Undefined]   | 250    | Clpl        | EDTA         |
| Bottle 3 | Grab        | [Undefined]   | 250    | Clpl        | H2SO4        |

**Notes:** Dry

**Number of Bottles:** 3

**Operator/Witness:** Arianna Wald

**Sampler:** Matt Lawless



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## Field Sampling Data

|                       |           |                    |          |
|-----------------------|-----------|--------------------|----------|
| <b>Sample Number:</b> | 22911     | <b>Conditions:</b> | Overcast |
| <b>Date:</b>          | 7/22/2025 | <b>Site:</b>       | Cathcart |
| <b>Time:</b>          | 11:26 AM  | <b>Location:</b>   | CC-A1    |

### Well Information:

|                    |                     |
|--------------------|---------------------|
| <b>Well Depth:</b> | <b>Water Depth:</b> |
|--------------------|---------------------|

### Surface Measurements:

|                   |                        |
|-------------------|------------------------|
| <b>Flow Rate:</b> | <b>Measure Method:</b> |
|-------------------|------------------------|

### Field Chemistry Tests:

**Purge Volume:**

| Type | pH | Cond | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|------|----|------|------|-------|-----------|-----------|-------------|-----|------|
|------|----|------|------|-------|-----------|-----------|-------------|-----|------|

### Sampling:

|                      |                     |                          |
|----------------------|---------------------|--------------------------|
| <b>Sample Depth:</b> | <b>Sample Type:</b> | Standard Surface - Water |
|----------------------|---------------------|--------------------------|

**Sample Time:**

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | [Undefined]   | 250    | Clpl        | None         |
| Bottle 2 | Grab        | [Undefined]   | 250    | Clpl        | EDTA         |
| Bottle 3 | Grab        | [Undefined]   | 250    | Clpl        | H2SO4        |

**Notes:** Dry

**Number of Bottles:** 3

**Operator/Witness:** Arianna Wald

**Sampler:** Matt Lawless



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## Field Sampling Data

|                       |           |                    |          |
|-----------------------|-----------|--------------------|----------|
| <b>Sample Number:</b> | 22910     | <b>Conditions:</b> | Overcast |
| <b>Date:</b>          | 7/22/2025 | <b>Site:</b>       | Cathcart |
| <b>Time:</b>          | 11:26 AM  | <b>Location:</b>   | CC-B1    |

### Well Information:

|                    |                     |
|--------------------|---------------------|
| <b>Well Depth:</b> | <b>Water Depth:</b> |
|--------------------|---------------------|

### Surface Measurements:

|                   |                        |
|-------------------|------------------------|
| <b>Flow Rate:</b> | <b>Measure Method:</b> |
|-------------------|------------------------|

### Field Chemistry Tests:

**Purge Volume:**

| Type | pH | Cond | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|------|----|------|------|-------|-----------|-----------|-------------|-----|------|
|------|----|------|------|-------|-----------|-----------|-------------|-----|------|

### Sampling:

|                      |                     |                          |
|----------------------|---------------------|--------------------------|
| <b>Sample Depth:</b> | <b>Sample Type:</b> | Standard Surface - Water |
|----------------------|---------------------|--------------------------|

**Sample Time:**

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | [Undefined]   | 250    | Clpl        | None         |
| Bottle 2 | Grab        | [Undefined]   | 250    | Clpl        | EDTA         |
| Bottle 3 | Grab        | [Undefined]   | 250    | Clpl        | H2SO4        |

**Notes:** Dry

**Number of Bottles:** 3

**Operator/Witness:** Arianna Wald

**Sampler:** Matt Lawless



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## Field Sampling Data

|                       |           |                    |          |
|-----------------------|-----------|--------------------|----------|
| <b>Sample Number:</b> | 22909     | <b>Conditions:</b> | Overcast |
| <b>Date:</b>          | 7/22/2025 | <b>Site:</b>       | Cathcart |
| <b>Time:</b>          | 11:25 AM  | <b>Location:</b>   | CC-D     |

### Well Information:

|                    |                     |
|--------------------|---------------------|
| <b>Well Depth:</b> | <b>Water Depth:</b> |
|--------------------|---------------------|

### Surface Measurements:

|                   |                        |
|-------------------|------------------------|
| <b>Flow Rate:</b> | <b>Measure Method:</b> |
|-------------------|------------------------|

### Field Chemistry Tests:

**Purge Volume:**

| Type | pH | Cond | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|------|----|------|------|-------|-----------|-----------|-------------|-----|------|
|------|----|------|------|-------|-----------|-----------|-------------|-----|------|

### Sampling:

|                      |                     |                          |
|----------------------|---------------------|--------------------------|
| <b>Sample Depth:</b> | <b>Sample Type:</b> | Standard Surface - Water |
|----------------------|---------------------|--------------------------|

**Sample Time:**

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | [Undefined]   | 250    | Clpl        | None         |
| Bottle 2 | Grab        | [Undefined]   | 250    | Clpl        | EDTA         |
| Bottle 3 | Grab        | [Undefined]   | 250    | Clpl        | H2SO4        |

**Notes:** Dry

**Number of Bottles:** 3

**Operator/Witness:** Arianna Wald

**Sampler:** Matt Lawless



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## Field Sampling Data

**Sample Number:** 22908 **Conditions:** Overcast  
**Date:** 7/22/2025 **Site:** Cathcart  
**Time:** 11:25 AM **Location:** CC-F

### Well Information:

**Well Depth:** **Water Depth:**

### Surface Measurements:

**Flow Rate:** **Measure Method:**

### Field Chemistry Tests:

**Purge Volume:**

| Type | pH | Cond | Temp | Color | Turbidity | Purge Vol | Water Depth | ORP | Time |
|------|----|------|------|-------|-----------|-----------|-------------|-----|------|
|------|----|------|------|-------|-----------|-----------|-------------|-----|------|

### Sampling:

**Sample Depth:** **Sample Type:** Standard Surface - Water

**Sample Time:**

|          | Sample Type | Sample Method | Volume | Bottle Type | Preservative |
|----------|-------------|---------------|--------|-------------|--------------|
| Bottle 1 | Grab        | [Undefined]   | 250    | Clpl        | None         |
| Bottle 2 | Grab        | [Undefined]   | 250    | Clpl        | EDTA         |
| Bottle 3 | Grab        | [Undefined]   | 250    | Clpl        | H2SO4        |

**Notes:** Dry

**Number of Bottles:** 3

**Operator/Witness:** Arianna Wald

**Sampler:** Matt Lawless

## QUARTERLY GAS ROUND

DATE: 02/14/25

| Site     | Location     | Time<br>(Military) | Methane<br>(% VOL) | Oxygen<br>(% VOL, % LEL, PPM) | Carbon<br>Diox. (% VOL) | Velocity | Pressure | Comments |
|----------|--------------|--------------------|--------------------|-------------------------------|-------------------------|----------|----------|----------|
| CATHCART | GP-4         | 1320               | 0%                 | 21%                           | 0%                      |          | 29.78    |          |
|          | GP-5(1)      | 1330               | 0%                 | 21%                           | 0%                      |          | "        |          |
|          | GP-5(2)      | 1331               | 0%                 | 21%                           | 0%                      |          | "        |          |
|          | GP-1(1)      | 1350               | 0%                 | 22%                           | 0%                      |          | "        |          |
|          | GP-1(2)      | 1351               | 0%                 | 22%                           | 0%                      |          | "        |          |
|          | GP-2(1)      | 1354               | 0%                 | 8%                            | 7%                      |          | "        |          |
|          | GP-2(2)      | 1355               | 0%                 | 12%                           | 6%                      |          | "        |          |
|          | GP-3         | 1420               | 0%                 | 21%                           | 0%                      |          | "        |          |
|          | GP-6         | 1415               | 0%                 | 21%                           | 0%                      |          | "        |          |
|          | Main Man     | 1425               | 0%                 | 21%                           | 0%                      | 5        | "        |          |
| Site     | Location     | Time<br>(Military) | Methane<br>(% VOL) | Oxygen<br>(% VOL, % LEL, PPM) | Carbon<br>Diox. (% VOL) | Velocity | Pressure | Comments |
| CATHCART | BH-3         | 1325               | 0%                 | 21%                           | 0%                      |          | 29.78    |          |
|          | BH-4         | 1327               | 0%                 | 20%                           | 0%                      |          | "        |          |
|          | BH-5         | 1340               | 0%                 | 22%                           | 0%                      |          | "        |          |
|          | BH-6         | 1346               | 0%                 | 19%                           | 1%                      |          | "        |          |
|          | BH-7         | 1348               | 0%                 | 22%                           | 0%                      |          | "        |          |
|          | BH-8         | 1344               | 0%                 | 22%                           | 0%                      |          | "        |          |
| Site     | Location     | Time<br>(Military) | Methane<br>(% VOL) | Oxygen<br>(% VOL, % LEL, PPM) | Carbon<br>Diox. (% VOL) | Velocity | Pressure | Comments |
| CATHCART | SP-4         | 1400               | 0%                 | 21%                           | 0%                      |          | 29.78    |          |
|          | C-FV-1`      | 1401               | 0%                 | 21%                           | 0%                      |          | "        |          |
|          | C-COV-2      | 1402               | 0%                 | 21%                           | 0%                      |          | "        |          |
|          | C-VV-2       | 1403               | 0%                 | 21%                           | 0%                      |          | "        |          |
|          | SP-1         | 1404               | 0%                 | 21%                           | 0%                      |          | "        |          |
|          | C-VV-3       | 1405               | 0%                 | 21%                           | 0%                      |          | "        |          |
|          | Grit Chamber | 1406               | 0%                 | 21%                           | 0%                      |          | "        |          |
|          | C-FV-2       | 1407               | 0%                 | 21%                           | 0%                      |          | "        |          |
|          | C-VV-5       | 1408               | 0%                 | 21%                           | 0%                      |          | "        |          |
|          |              |                    |                    |                               |                         |          |          |          |

Methane/Oxygen Meter Used =

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## QUARTERLY GAS ROUND

DATE: 05/21/25

| Site                         | Location     | Time<br>(Military) | Methane<br>(% VOL) | Oxygen<br>(% VOL, % LEL, PPM) | Carbon<br>Diox. (% VOL) | Velocity | Pressure | Comments |
|------------------------------|--------------|--------------------|--------------------|-------------------------------|-------------------------|----------|----------|----------|
| CATHCART GAS<br>PROBES/FLARE | GP-4         | 1317               | 0%                 | 21%                           | 0%                      | --       | 29.90    |          |
|                              | GP-5(1)      | 1326               | 0%                 | 18%                           | 3%                      | --       | 29.90    |          |
|                              | GP-5(2)      | 1327               | 0%                 | 20%                           | 0%                      | --       | 29.90    |          |
|                              | GP-1(1)      | 1340               | 0%                 | 21%                           | 0%                      | --       | 29.90    |          |
|                              | GP-1(2)      | 1339               | 0%                 | 21%                           | 0%                      | --       | 29.90    |          |
|                              | GP-2(1)      | 1343               | 0%                 | 10%                           | 5%                      | --       | 29.90    |          |
|                              | GP-2(2)      | 1344               | 0%                 | 14%                           | 5%                      | --       | 29.90    |          |
|                              | GP-3         | 1358               | 0%                 | 21%                           | 0%                      | --       | 29.90    |          |
|                              | GP-6         | 1355               | 0%                 | 19%                           | 1%                      | --       | 29.90    |          |
|                              | Main Man     | 1405               | 68%                | 2%                            | 28%                     | 260      | 29.90    |          |
| Site                         | Location     | Time<br>(Military) | Methane<br>(% VOL) | Oxygen<br>(% VOL, % LEL, PPM) | Carbon<br>Diox. (% VOL) | Velocity | Pressure | Comments |
| CATHCART<br>BARHOLES         | BH-3         | 1320               | 0%                 | 20%                           | 1%                      | --       | 29.90    |          |
|                              | BH-4         | 1324               | 0%                 | 18%                           | 4%                      | --       | 29.90    |          |
|                              | BH-5         | 1330               | 0%                 | 20%                           | 1%                      | --       | 29.90    |          |
|                              | BH-6         | 1337               | 0%                 | 19%                           | 3%                      | --       | 29.90    |          |
|                              | BH-7         | 1338               | 0%                 | 19%                           | 2%                      | --       | 29.90    |          |
|                              | BH-8         | 1334               | 0%                 | 20%                           | 1%                      | --       | 29.90    |          |
| Site                         | Location     | Time<br>(Military) | Methane<br>(% VOL) | Oxygen<br>(% VOL, % LEL, PPM) | Carbon<br>Diox. (% VOL) | Velocity | Pressure | Comments |
| CATHCART<br>STRUCTURES       | SP-4         | 1346               | 0%                 | 20%                           | 0%                      | --       | 29.90    |          |
|                              | C-FV-1`      | 1347               | 0%                 | 21%                           | 0%                      | --       | 29.90    |          |
|                              | C-COV-2      | 1348               | 0%                 | 21%                           | 0%                      | --       | 29.90    |          |
|                              | C-VV-2       | 1349               | 0%                 | 21%                           | 0%                      | --       | 29.90    |          |
|                              | SP-1         | 1351               | 0%                 | 21%                           | 2%                      | --       | 29.90    |          |
|                              | C-VV-3       | 1352               | 0%                 | 21%                           | 0%                      | --       | 29.90    |          |
|                              | Grit Chamber | 1350               | 0%                 | 21%                           | 2%                      | --       | 29.90    |          |
|                              | C-FV-2       | 1353               | 0%                 | 21%                           | 0%                      | --       | 29.90    |          |
|                              | C-VV-5       | 1354               | 0%                 | 21%                           | 0%                      | --       | 29.90    |          |
|                              |              |                    |                    |                               |                         |          |          |          |

Methane/Oxygen Meter Used =

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## QUARTERLY GAS ROUND

DATE: 08/20/25

| Site                         | Location     | Time<br>(Military) | Methane<br>(% VOL) | Oxygen<br>(% VOL, % LEL, PPM) | Carbon<br>Diox. (% VOL) | Velocity | Pressure | Comments |
|------------------------------|--------------|--------------------|--------------------|-------------------------------|-------------------------|----------|----------|----------|
| CATHCART GAS<br>PROBES/FLARE | GP-4         | 1341               | 0%                 | 21%                           | 0%                      |          | 29.94    |          |
|                              | GP-5(1)      | 1346               | 0%                 | 20%                           | 0%                      |          | "        |          |
|                              | GP-5(2)      | 1347               | 0%                 | 19%                           | 2%                      |          | "        |          |
|                              | GP-1(1)      | 1357               | 0%                 | 21%                           | 1%                      |          | "        |          |
|                              | GP-1(2)      | 1358               | 0%                 | 20%                           | 1%                      |          | "        |          |
|                              | GP-2(1)      | 1400               | 0%                 | 16%                           | 4%                      |          | "        |          |
|                              | GP-2(2)      | 1401               | 0%                 | 13%                           | 5%                      |          | "        |          |
|                              | GP-3         | 1418               | 0%                 | 21%                           | 0%                      |          | "        |          |
|                              | GP-6         | 1415               | 0%                 | 19%                           | 1%                      |          | "        |          |
|                              | Main Man     | 1420               | 26%                | 10%                           | 14%                     | 320      | "        |          |
| Site                         | Location     | Time<br>(Military) | Methane<br>(% VOL) | Oxygen<br>(% VOL, % LEL, PPM) | Carbon<br>Diox. (% VOL) | Velocity | Pressure | Comments |
| CATHCART<br>BARHOLES         | BH-3         | 1343               | 0%                 | 21%                           | 0%                      |          | 29.94    |          |
|                              | BH-4         | 1348               | 0%                 | 19%                           | 2%                      |          | "        |          |
|                              | BH-5         | 1350               | 0%                 | 21%                           | 0%                      |          | "        |          |
|                              | BH-6         | 1352               | 0%                 | 20%                           | 0%                      |          | "        |          |
|                              | BH-7         | 1400               | 0%                 | 20%                           | 0%                      |          | "        |          |
|                              | BH-8         | 1358               | 0%                 | 20%                           | 1%                      |          | "        |          |
| Site                         | Location     | Time<br>(Military) | Methane<br>(% VOL) | Oxygen<br>(% VOL, % LEL, PPM) | Carbon<br>Diox. (% VOL) | Velocity | Pressure | Comments |
| CATHCART<br>STRUCTURES       | SP-4         | 1403               | 0%                 | 21%                           | 0%                      |          | 29.94    |          |
|                              | C-FV-1`      | 1404               | 0%                 | 21%                           | 0%                      |          | "        |          |
|                              | C-COV-2      | 1405               | 0%                 | 21%                           | 0%                      |          | "        |          |
|                              | C-VV-2       | 1406               | 0%                 | 21%                           | 0%                      |          | "        |          |
|                              | SP-1         | 1407               | 0%                 | 21%                           | 0%                      |          | "        |          |
|                              | C-VV-3       | 1408               | 0%                 | 21%                           | 0%                      |          | "        |          |
|                              | Grit Chamber | 1409               | 0%                 | 21%                           | 0%                      |          | "        |          |
|                              | C-FV-2       | 1410               | 0%                 | 21%                           | 0%                      |          | "        |          |
|                              | C-VV-5       | 1411               | 0%                 | 20%                           | 0%                      |          | "        |          |
|                              |              |                    |                    |                               |                         |          |          |          |

Methane/Oxygen Meter Used =

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## QUARTERLY GAS ROUND

DATE: 12/03/25

| Site                         | Location     | Time<br>(Military) | Methane<br>(% VOL) | Oxygen<br>(% VOL, % LEL, PPM) | Carbon<br>Diox. (% VOL) | Velocity | Pressure | Comments |
|------------------------------|--------------|--------------------|--------------------|-------------------------------|-------------------------|----------|----------|----------|
| CATHCART GAS<br>PROBES/FLARE | GP-4         | 1334               | 0%                 | 21%                           | 0%                      |          | 30.00    |          |
|                              | GP-5(1)      | 1344               | 0%                 | 17%                           | 4%                      |          | "        |          |
|                              | GP-5(2)      | 1345               | 0%                 | 11%                           | 0%                      |          | "        |          |
|                              | GP-1(1)      | 1401               | 0%                 | 21%                           | 0%                      |          | "        |          |
|                              | GP-1(2)      | 1402               | 0%                 | 21%                           | 0%                      |          | "        |          |
|                              | GP-2(1)      | 1405               | 0%                 | 10%                           | 7%                      |          | "        |          |
|                              | GP-2(2)      | 1406               | 0%                 | 11%                           | 6%                      |          | "        |          |
|                              | GP-3         | 1416               | 0%                 | 21%                           | 0%                      |          | "        |          |
|                              | GP-6         | 1420               | 0%                 | 9%                            | 3%                      |          | "        |          |
|                              | Main Man     | 1425               | 24%                | 12%                           | 12%                     | 350      | "        |          |
| Site                         | Location     | Time<br>(Military) | Methane<br>(% VOL) | Oxygen<br>(% VOL, % LEL, PPM) | Carbon<br>Diox. (% VOL) | Velocity | Pressure | Comments |
| CATHCART<br>BARHOLES         | BH-3         | 1338               | 0%                 | 21%                           | 0%                      |          | 30.00    |          |
|                              | BH-4         | 1340               | 0%                 | 21%                           | 0%                      |          | "        |          |
|                              | BH-5         | 1346               | 0%                 | 19%                           | 0%                      |          | "        |          |
|                              | BH-6         | 1358               | 0%                 | 17%                           | 1%                      |          | "        |          |
|                              | BH-7         | 1400               | 0%                 | 21%                           | 1%                      |          | "        |          |
|                              | BH-8         | 1349               | 0%                 | 21%                           | 0%                      |          | "        |          |
| Site                         | Location     | Time<br>(Military) | Methane<br>(% VOL) | Oxygen<br>(% VOL, % LEL, PPM) | Carbon<br>Diox. (% VOL) | Velocity | Pressure | Comments |
| CATHCART<br>STRUCTURES       | SP-4         | 1407               | 0%                 | 21%                           | 0%                      |          | 30.00    |          |
|                              | C-FV-1'      | 1408               | 0%                 | 21%                           | 0%                      |          | "        |          |
|                              | C-COV-2      | 1409               | 0%                 | 16%                           | 0%                      |          | "        |          |
|                              | C-VV-2       | 1410               | 0%                 | 17%                           | 0%                      |          | "        |          |
|                              | SP-1         | 1412               | 0%                 | 21%                           | 2%                      |          | "        |          |
|                              | C-VV-3       | 1413               | 0%                 | 21%                           | 0%                      |          | "        |          |
|                              | Grit Chamber | 1411               | 0%                 | 17%                           | 1%                      |          | "        |          |
|                              | C-FV-2       | 1414               | 0%                 | 21%                           | 0%                      |          | "        |          |
|                              | C-VV-5       | 1415               | 0%                 | 21%                           | 0%                      |          | "        |          |
|                              |              |                    |                    |                               |                         |          |          |          |

Methane/Oxygen Meter Used =

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LEACHATE PRETREATMENT FACILITY  
CLARIFIER LEVEL  
MONTHLY INSPECTION: DECEMBER

| <b>DATE:</b> February 26, 2025           |                             |                      | <b>INSPECTOR(S):</b> TA / AW |         |            |                    |           |
|------------------------------------------|-----------------------------|----------------------|------------------------------|---------|------------|--------------------|-----------|
| LOCATION:                                | CONFINED SPACE (TYPE)       | FLUID DEPTH (INCHES) | CONDITION:                   |         | SUMP PUMP? | SUMP PUMP WORKING? | COMMENTS: |
|                                          |                             |                      | ODORS                        | DEFECTS |            |                    |           |
| FD-1                                     | Flow Distribution           | Full                 | No                           | NONE    | —          | —                  |           |
| P-FV-2                                   | FLOW METER VAULT            | 0"                   | NO                           | NONE    | YES        | YES                |           |
| P-MH-3                                   | MAN HOLE                    | 0"                   | NO                           | NONE    | NO         |                    |           |
| P-MH-4                                   | MAN HOLE                    | 0"                   | NO                           | NONE    | NO         |                    |           |
| P-MH-9                                   | MAN HOLE                    | 12"                  | NO                           | NONE    | —          | -----              |           |
| P-VV-10                                  | VALVE VAULT                 | 0"                   | NO                           | NONE    | —          | -----              |           |
| P-VV-11                                  | VALVE VAULT                 | 0"                   | NO                           | NONE    | —          | -----              |           |
| P-VV-12                                  | VALVE VAULT                 | 0"                   | NO                           | NONE    | —          | -----              |           |
| P-VV-9                                   | VALVE VAULT                 | 0"                   | NO                           | NONE    | —          | -----              |           |
| SP-7                                     | SUMP PUMP                   | ~12"                 | NO                           | NONE    | YES        | YES                |           |
| SP-8                                     | SUMP PUMP                   | ~12"                 | NO                           | NONE    | YES        | YES                |           |
| <b>CLARIFIER LEVEL ANNUAL INSPECTION</b> |                             |                      |                              |         |            |                    |           |
| P-BV-1                                   | BLOWER VAULT                | 0"                   | NO                           | NONE    | —          | -----              |           |
| P-MH-8                                   | MAN HOLE<br>(needs 7 poles) | 0"                   | NO                           | NONE    | —          | —                  |           |
| COMMENTS:                                |                             |                      |                              |         |            |                    |           |

LEACHATE PRETREATMENT FACILITY  
LAGOON LEVEL  
MONTHLY INSPECTION: DECEMBER

| <b>DATE:</b> February 26, 2025        |                       |                      | <b>INSPECTOR:</b> TA / AW |         |            |                    |           |
|---------------------------------------|-----------------------|----------------------|---------------------------|---------|------------|--------------------|-----------|
| LOCATION:                             | CONFINED SPACE (TYPE) | FLUID DEPTH (INCHES) | CONDITION:                |         | SUMP PUMP? | SUMP PUMP WORKING? | COMMENTS: |
|                                       |                       |                      | ODORS                     | DEFECTS |            |                    |           |
| P-FV-1                                | FLOW METER VAULT      | 0"                   | NO                        | NONE    | YES        | YES                |           |
| P-MH-1                                | MAN HOLE              | 12"                  | NO                        | NONE    | —          | -----              |           |
| P-VV-1                                | VALVE VAULT           | 0"                   | NO                        | NONE    | YES        | YES                |           |
| P-VV-13                               | VALVE VAULT           | 0"                   | NO                        | NONE    | —          | -----              |           |
| P-VV-2                                | VALVE VAULT           | 0"                   | NO                        | NONE    | YES        | Yes                |           |
| P-VV-3                                | VALVE VAULT           | 0"                   | NO                        | NONE    | YES        | Yes                |           |
| P-VV-4                                | VALVE VAULT           | 0"                   | NO                        | NONE    | YES        | Yes                |           |
| P-VV-5                                | VALVE VAULT           | 0"                   | NO                        | NONE    | YES        | NO                 |           |
| P-VV-6                                | VALVE VAULT           | 0"                   | NO                        | NONE    | YES        | YES                |           |
| P-VV-7                                | VALVE VAULT           | 0"                   | NO                        | NONE    | —          | -----              |           |
| P-VV-8                                | VALVE VAULT           | 0"                   | NO                        | NONE    | —          | -----              |           |
| SP-6                                  | SUMP PUMP             | ~12"                 | NO                        | NONE    | YES        | NO                 |           |
| SP-9                                  | SUMP PUMP             | ~12"                 | NO                        | NONE    | YES        | YES                |           |
| <b>LAGOON LEVEL ANNUAL INSPECTION</b> |                       |                      |                           |         |            |                    |           |
| P-MH-2                                | MAN HOLE              | 3'                   | NO                        | NONE    | —          | -----              |           |
| COMMENTS:                             |                       |                      |                           |         |            |                    |           |

LEACHATE PRETREATMENT FACILITY  
CLARIFIER LEVEL  
MONTHLY INSPECTION: DECEMBER

| <b>DATE:</b> March 24, 2025              |                             |                      | <b>INSPECTOR(S):</b> ML/TA |         |            |                    |           |
|------------------------------------------|-----------------------------|----------------------|----------------------------|---------|------------|--------------------|-----------|
| LOCATION:                                | CONFINED SPACE (TYPE)       | FLUID DEPTH (INCHES) | CONDITION:                 |         | SUMP PUMP? | SUMP PUMP WORKING? | COMMENTS: |
|                                          |                             |                      | ODORS                      | DEFECTS |            |                    |           |
| FD-1                                     | Flow Distribution           | Full                 | No                         | NONE    | —          | —                  |           |
| P-FV-2                                   | FLOW METER VAULT            | 0"                   | NO                         | NONE    | YES        | YES                |           |
| P-MH-3                                   | MAN HOLE                    | 0"                   | NO                         | NONE    | NO         |                    |           |
| P-MH-4                                   | MAN HOLE                    | 0"                   | NO                         | NONE    | NO         |                    |           |
| P-MH-9                                   | MAN HOLE                    | 12"                  | NO                         | NONE    | —          | -----              |           |
| P-VV-10                                  | VALVE VAULT                 | 0"                   | NO                         | NONE    | —          | -----              |           |
| P-VV-11                                  | VALVE VAULT                 | 0"                   | NO                         | NONE    | —          | -----              |           |
| P-VV-12                                  | VALVE VAULT                 | 0"                   | NO                         | NONE    | —          | -----              |           |
| P-VV-9                                   | VALVE VAULT                 | 0"                   | NO                         | NONE    | —          | -----              |           |
| SP-7                                     | SUMP PUMP                   | ~12"                 | NO                         | NONE    | YES        | YES                |           |
| SP-8                                     | SUMP PUMP                   | ~12"                 | NO                         | NONE    | YES        | YES                |           |
| <b>CLARIFIER LEVEL ANNUAL INSPECTION</b> |                             |                      |                            |         |            |                    |           |
| P-BV-1                                   | BLOWER VAULT                | 0"                   | NO                         | NONE    | —          | -----              |           |
| P-MH-8                                   | MAN HOLE<br>(needs 7 poles) | 0"                   | NO                         | NONE    | —          | —                  |           |
| COMMENTS:                                |                             |                      |                            |         |            |                    |           |

LEACHATE PRETREATMENT FACILITY  
LAGOON LEVEL  
MONTHLY INSPECTION: DECEMBER

| <b>DATE:</b> March 24, 2025    |                       |                      | <b>INSPECTOR:</b> ML/TA |         |            |                    |           |
|--------------------------------|-----------------------|----------------------|-------------------------|---------|------------|--------------------|-----------|
| LOCATION:                      | CONFINED SPACE (TYPE) | FLUID DEPTH (INCHES) | CONDITION:              |         | SUMP PUMP? | SUMP PUMP WORKING? | COMMENTS: |
|                                |                       |                      | ODORS                   | DEFECTS |            |                    |           |
| P-FV-1                         | FLOW METER VAULT      | 0"                   | NO                      | NONE    | YES        | YES                |           |
| P-MH-1                         | MAN HOLE              | 12"                  | NO                      | NONE    | —          | -----              |           |
| P-VV-1                         | VALVE VAULT           | 0"                   | NO                      | NONE    | YES        | YES                |           |
| P-VV-13                        | VALVE VAULT           | 0"                   | NO                      | NONE    | —          | -----              |           |
| P-VV-2                         | VALVE VAULT           | 0"                   | NO                      | NONE    | YES        | Yes                |           |
| P-VV-3                         | VALVE VAULT           | 0"                   | NO                      | NONE    | YES        | Yes                |           |
| P-VV-4                         | VALVE VAULT           | 0"                   | NO                      | NONE    | YES        | Yes                |           |
| P-VV-5                         | VALVE VAULT           | 0"                   | NO                      | NONE    | YES        | NO                 |           |
| P-VV-6                         | VALVE VAULT           | 0"                   | NO                      | NONE    | YES        | YES                |           |
| P-VV-7                         | VALVE VAULT           | 0"                   | NO                      | NONE    | —          | -----              |           |
| P-VV-8                         | VALVE VAULT           | 0"                   | NO                      | NONE    | —          | -----              |           |
| SP-6                           | SUMP PUMP             | ~12"                 | NO                      | NONE    | YES        | NO                 |           |
| SP-9                           | SUMP PUMP             | ~12"                 | NO                      | NONE    | YES        | YES                |           |
| LAGOON LEVEL ANNUAL INSPECTION |                       |                      |                         |         |            |                    |           |
| P-MH-2                         | MAN HOLE              | 3'                   | NO                      | NONE    | —          | -----              |           |
| COMMENTS:                      |                       |                      |                         |         |            |                    |           |

LEACHATE PRETREATMENT FACILITY  
CLARIFIER LEVEL  
MONTHLY INSPECTION: DECEMBER

| <b>DATE:</b> April 30, 2025              |                             |                      | <b>INSPECTOR(S):</b> <b>AW/TA</b> |         |            |                    |           |
|------------------------------------------|-----------------------------|----------------------|-----------------------------------|---------|------------|--------------------|-----------|
| LOCATION:                                | CONFINED SPACE (TYPE)       | FLUID DEPTH (INCHES) | CONDITION:                        |         | SUMP PUMP? | SUMP PUMP WORKING? | COMMENTS: |
|                                          |                             |                      | ODORS                             | DEFECTS |            |                    |           |
| FD-1                                     | Flow Distribution           | Empty                | No                                | NONE    | —          | —                  |           |
| P-FV-2                                   | FLOW METER VAULT            | 0"                   | NO                                | NONE    | YES        | YES                |           |
| P-MH-3                                   | MAN HOLE                    | 0"                   | NO                                | NONE    | NO         |                    |           |
| P-MH-4                                   | MAN HOLE                    | 0"                   | NO                                | NONE    | NO         |                    |           |
| P-MH-9                                   | MAN HOLE                    | 12"                  | NO                                | NONE    | —          | -----              |           |
| P-VV-10                                  | VALVE VAULT                 | 0"                   | NO                                | NONE    | —          | -----              |           |
| P-VV-11                                  | VALVE VAULT                 | 0"                   | NO                                | NONE    | —          | -----              |           |
| P-VV-12                                  | VALVE VAULT                 | 0"                   | NO                                | NONE    | —          | -----              |           |
| P-VV-9                                   | VALVE VAULT                 | 0"                   | NO                                | NONE    | —          | -----              |           |
| SP-7                                     | SUMP PUMP                   | ~12"                 | NO                                | NONE    | YES        | YES                |           |
| SP-8                                     | SUMP PUMP                   | ~12"                 | NO                                | NONE    | YES        | YES                |           |
| <b>CLARIFIER LEVEL ANNUAL INSPECTION</b> |                             |                      |                                   |         |            |                    |           |
| P-BV-1                                   | BLOWER VAULT                | 0"                   | NO                                | NONE    | —          | -----              |           |
| P-MH-8                                   | MAN HOLE<br>(needs 7 poles) | 0"                   | NO                                | NONE    | —          | —                  |           |
| <b>COMMENTS:</b>                         |                             |                      |                                   |         |            |                    |           |

| LEACHATE PRETREATMENT FACILITY<br>LAGOON LEVEL<br>MONTHLY INSPECTION: DECEMBER |                       |                      |                  |         |            |                    |                           |
|--------------------------------------------------------------------------------|-----------------------|----------------------|------------------|---------|------------|--------------------|---------------------------|
| DATE: April 30, 2025                                                           |                       |                      | INSPECTOR: AW/TA |         |            |                    |                           |
| LOCATION:                                                                      | CONFINED SPACE (TYPE) | FLUID DEPTH (INCHES) | CONDITION:       |         | SUMP PUMP? | SUMP PUMP WORKING? | COMMENTS:                 |
|                                                                                |                       |                      | ODORS            | DEFECTS |            |                    |                           |
| P-FV-1                                                                         | FLOW METER VAULT      | 0"                   | NO               | NONE    | YES        | YES                |                           |
| P-MH-1                                                                         | MAN HOLE              | 12"                  | NO               | NONE    | —          | -----              |                           |
| P-VV-1                                                                         | VALVE VAULT           | 10"                  | NO               | NONE    | YES        | YES                | We had to trigger sump.   |
| P-VV-13                                                                        | VALVE VAULT           | 0"                   | NO               | NONE    | —          | -----              |                           |
| P-VV-2                                                                         | VALVE VAULT           | 0"                   | NO               | NONE    | YES        | Yes                |                           |
| P-VV-3                                                                         | VALVE VAULT           | 0"                   | NO               | NONE    | YES        | Yes                |                           |
| P-VV-4                                                                         | VALVE VAULT           | 0"                   | NO               | NONE    | YES        | Yes                |                           |
| P-VV-5                                                                         | VALVE VAULT           | 10"                  | NO               | NONE    | YES        | NO                 | We had to trigger sump.   |
| P-VV-6                                                                         | VALVE VAULT           | 10"                  | NO               | NONE    | YES        | YES                | We had to trigger sump.   |
| P-VV-7                                                                         | VALVE VAULT           | 0"                   | NO               | NONE    | —          | -----              |                           |
| P-VV-8                                                                         | VALVE VAULT           | 0"                   | NO               | NONE    | —          | -----              |                           |
| SP-6                                                                           | SUMP PUMP             | Full                 | NO               | NONE    | YES        | NO                 | We drained the water out. |
| SP-9                                                                           | SUMP PUMP             | ~12"                 | NO               | NONE    | YES        | YES                |                           |
| LAGOON LEVEL ANNUAL INSPECTION                                                 |                       |                      |                  |         |            |                    |                           |
| P-MH-2                                                                         | MAN HOLE              | 3'                   | NO               | NONE    | —          | -----              |                           |
| COMMENTS:                                                                      |                       |                      |                  |         |            |                    |                           |



LEACHATE PRETREATMENT FACILITY  
CLARIFIER LEVEL  
MONTHLY INSPECTION: May

| DATE: May 20th 2025               |                          |                      | INSPECTOR(S): TA / AW |         |            |                    |           |
|-----------------------------------|--------------------------|----------------------|-----------------------|---------|------------|--------------------|-----------|
| LOCATION:                         | CONFINED SPACE (TYPE)    | FLUID DEPTH (INCHES) | CONDITION:            |         | SUMP PUMP? | SUMP PUMP WORKING? | COMMENTS: |
|                                   |                          |                      | ODORS                 | DEFECTS |            |                    |           |
| FD-1                              | Flow Distribution        | Empty                | No                    | NONE    | —          | —                  |           |
| P-FV-2                            | FLOW METER VAULT         | 0"                   | NO                    | NONE    | YES        | YES                |           |
| P-MH-3                            | MAN HOLE                 | 0"                   | NO                    | NONE    | NO         |                    |           |
| P-MH-4                            | MAN HOLE                 | 0"                   | NO                    | NONE    | NO         |                    |           |
| P-MH-9                            | MAN HOLE                 | 6"                   | NO                    | NONE    | —          | -----              |           |
| P-VV-10                           | VALVE VAULT              | 0"                   | NO                    | NONE    | —          | -----              |           |
| P-VV-11                           | VALVE VAULT              | 0"                   | NO                    | NONE    | —          | -----              |           |
| P-VV-12                           | VALVE VAULT              | 0"                   | NO                    | NONE    | —          | -----              |           |
| P-VV-9                            | VALVE VAULT              | 0"                   | NO                    | NONE    | —          | -----              |           |
| SP-7                              | SUMP PUMP                | ~12"                 | NO                    | NONE    | YES        | YES                |           |
| SP-8                              | SUMP PUMP                | 0"                   | NO                    | NONE    | YES        | YES                |           |
| CLARIFIER LEVEL ANNUAL INSPECTION |                          |                      |                       |         |            |                    |           |
| P-BV-1                            | BLOWER VAULT             | 0"                   | NO                    | NONE    | —          | -----              |           |
| P-MH-8                            | MAN HOLE (needs 7 poles) | 0"                   | NO                    | NONE    | —          | —                  |           |
| COMMENTS:                         |                          |                      |                       |         |            |                    |           |

| LEACHATE PRETREATMENT FACILITY |                       |                      |                    |         |            |                    |           |
|--------------------------------|-----------------------|----------------------|--------------------|---------|------------|--------------------|-----------|
| LAGOON LEVEL                   |                       |                      |                    |         |            |                    |           |
| MONTHLY INSPECTION: DECEMBER   |                       |                      |                    |         |            |                    |           |
| DATE: May 20th 2025            |                       |                      | INSPECTOR: TA / AW |         |            |                    |           |
| LOCATION:                      | CONFINED SPACE (TYPE) | FLUID DEPTH (INCHES) | CONDITION:         |         | SUMP PUMP? | SUMP PUMP WORKING? | COMMENTS: |
|                                |                       |                      | ODORS              | DEFECTS |            |                    |           |
| P-FV-1                         | FLOW METER VAULT      | 0"                   | NO                 | NONE    | YES        | YES                |           |
| P-MH-1                         | MAN HOLE              | 0"                   | NO                 | NONE    | —          | -----              |           |
| P-VV-1                         | VALVE VAULT           | 0"                   | NO                 | NONE    | YES        | YES                |           |
| P-VV-13                        | VALVE VAULT           | 0"                   | NO                 | NONE    | —          | -----              |           |
| P-VV-2                         | VALVE VAULT           | 0"                   | NO                 | NONE    | YES        | Yes                |           |
| P-VV-3                         | VALVE VAULT           | 0"                   | NO                 | NONE    | YES        | Yes                |           |
| P-VV-4                         | VALVE VAULT           | 0"                   | NO                 | NONE    | YES        | Yes                |           |
| P-VV-5                         | VALVE VAULT           | 1"                   | NO                 | NONE    | YES        | YES                |           |
| P-VV-6                         | VALVE VAULT           | 0"                   | NO                 | NONE    | YES        | YES                |           |
| P-VV-7                         | VALVE VAULT           | 0"                   | NO                 | NONE    | —          | -----              |           |
| P-VV-8                         | VALVE VAULT           | 0"                   | NO                 | NONE    | —          | -----              |           |
| SP-6                           | SUMP PUMP             | 1/2 full             | NO                 | NONE    | YES        | NO                 |           |
| SP-9                           | SUMP PUMP             | ~12"                 | NO                 | NONE    | YES        | YES                |           |
| LAGOON LEVEL ANNUAL INSPECTION |                       |                      |                    |         |            |                    |           |
| P-MH-2                         | MAN HOLE              | 3'                   | NO                 | NONE    | —          | -----              |           |
| COMMENTS:                      |                       |                      |                    |         |            |                    |           |

LEACHATE PRETREATMENT FACILITY  
CLARIFIER LEVEL  
MONTHLY INSPECTION: June

| DATE: June 30th                   |                          |                      | INSPECTOR(S): TA / AW |         |            |                    |           |
|-----------------------------------|--------------------------|----------------------|-----------------------|---------|------------|--------------------|-----------|
| LOCATION:                         | CONFINED SPACE (TYPE)    | FLUID DEPTH (INCHES) | CONDITION:            |         | SUMP PUMP? | SUMP PUMP WORKING? | COMMENTS: |
|                                   |                          |                      | ODORS                 | DEFECTS |            |                    |           |
| FD-1                              | Flow Distribution        | Empty                | No                    | NONE    | —          | —                  |           |
| P-FV-2                            | FLOW METER VAULT         | 0"                   | NO                    | NONE    | YES        | YES                |           |
| P-MH-3                            | MAN HOLE                 | 0"                   | NO                    | NONE    | NO         |                    |           |
| P-MH-4                            | MAN HOLE                 | 0"                   | NO                    | NONE    | NO         |                    |           |
| P-MH-9                            | MAN HOLE                 | 3"                   | NO                    | NONE    | —          | -----              |           |
| P-VV-10                           | VALVE VAULT              | 0"                   | NO                    | NONE    | —          | -----              |           |
| P-VV-11                           | VALVE VAULT              | 0"                   | NO                    | NONE    | —          | -----              |           |
| P-VV-12                           | VALVE VAULT              | 0"                   | NO                    | NONE    | —          | -----              |           |
| P-VV-9                            | VALVE VAULT              | 0"                   | NO                    | NONE    | —          | -----              |           |
| SP-7                              | SUMP PUMP                | 6"                   | NO                    | NONE    | YES        | YES                |           |
| SP-8                              | SUMP PUMP                | 0"                   | NO                    | NONE    | YES        | YES                |           |
| CLARIFIER LEVEL ANNUAL INSPECTION |                          |                      |                       |         |            |                    |           |
| P-BV-1                            | BLOWER VAULT             | 0"                   | NO                    | NONE    | —          | -----              |           |
| P-MH-8                            | MAN HOLE (needs 7 poles) | 0"                   | NO                    | NONE    | —          | —                  |           |
| COMMENTS:                         |                          |                      |                       |         |            |                    |           |

| LEACHATE PRETREATMENT FACILITY |                       |                      |                    |         |            |                    |                      |
|--------------------------------|-----------------------|----------------------|--------------------|---------|------------|--------------------|----------------------|
| LAGOON LEVEL                   |                       |                      |                    |         |            |                    |                      |
| MONTHLY INSPECTION: June       |                       |                      |                    |         |            |                    |                      |
| DATE: June 30th                |                       |                      | INSPECTOR: TA / AW |         |            |                    |                      |
| LOCATION:                      | CONFINED SPACE (TYPE) | FLUID DEPTH (INCHES) | CONDITION:         |         | SUMP PUMP? | SUMP PUMP WORKING? | COMMENTS:            |
|                                |                       |                      | ODORS              | DEFECTS |            |                    |                      |
| P-FV-1                         | FLOW METER VAULT      | 0"                   | NO                 | NONE    | YES        | YES                |                      |
| P-MH-1                         | MAN HOLE              | 0"                   | NO                 | NONE    | —          | -----              |                      |
| P-VV-1                         | VALVE VAULT           | 0"                   | NO                 | NONE    | YES        | YES                |                      |
| P-VV-13                        | VALVE VAULT           | 0"                   | NO                 | NONE    | —          | -----              | Wouldn't open        |
| P-VV-2                         | VALVE VAULT           | 0"                   | NO                 | NONE    | YES        | Yes                |                      |
| P-VV-3                         | VALVE VAULT           | 0"                   | NO                 | NONE    | YES        | Yes                |                      |
| P-VV-4                         | VALVE VAULT           | 0"                   | NO                 | NONE    | YES        | Yes                |                      |
| P-VV-5                         | VALVE VAULT           | 1"                   | NO                 | NONE    | YES        | YES                |                      |
| P-VV-6                         | VALVE VAULT           | 0"                   | NO                 | NONE    | YES        | YES                | Had to trigger sump. |
| P-VV-7                         | VALVE VAULT           | 0"                   | NO                 | NONE    | —          | -----              |                      |
| P-VV-8                         | VALVE VAULT           | 0"                   | NO                 | NONE    | —          | -----              |                      |
| SP-6                           | SUMP PUMP             | Full                 | NO                 | NONE    | YES        | NO                 |                      |
| SP-9                           | SUMP PUMP             | ~12"                 | NO                 | NONE    | YES        | YES                |                      |
| LAGOON LEVEL ANNUAL INSPECTION |                       |                      |                    |         |            |                    |                      |
| P-MH-2                         | MAN HOLE              | 3'                   | NO                 | NONE    | —          | -----              |                      |
| COMMENTS:                      |                       |                      |                    |         |            |                    |                      |

LEACHATE PRETREATMENT FACILITY  
CLARIFIER LEVEL  
MONTHLY INSPECTION: August

| <b>DATE:</b> August 26, 2025             |                             |                      | <b>INSPECTOR(S):</b> ML / AW |         |            |                    |           |
|------------------------------------------|-----------------------------|----------------------|------------------------------|---------|------------|--------------------|-----------|
| LOCATION:                                | CONFINED SPACE (TYPE)       | FLUID DEPTH (INCHES) | CONDITION:                   |         | SUMP PUMP? | SUMP PUMP WORKING? | COMMENTS: |
|                                          |                             |                      | ODORS                        | DEFECTS |            |                    |           |
| FD-1                                     | Flow Distribution           | Empty                | No                           | NONE    | —          | —                  |           |
| P-FV-2                                   | FLOW METER VAULT            | 0"                   | NO                           | NONE    | YES        | YES                |           |
| P-MH-3                                   | MAN HOLE                    | 0"                   | NO                           | NONE    | NO         |                    |           |
| P-MH-4                                   | MAN HOLE                    | 0"                   | NO                           | NONE    | NO         |                    |           |
| P-MH-9                                   | MAN HOLE                    | 3"                   | NO                           | NONE    | —          | -----              |           |
| P-VV-10                                  | VALVE VAULT                 | 0"                   | NO                           | NONE    | —          | -----              |           |
| P-VV-11                                  | VALVE VAULT                 | 0"                   | NO                           | NONE    | —          | -----              |           |
| P-VV-12                                  | VALVE VAULT                 | 0"                   | NO                           | NONE    | —          | -----              |           |
| P-VV-9                                   | VALVE VAULT                 | 0"                   | NO                           | NONE    | —          | -----              |           |
| SP-7                                     | SUMP PUMP                   | 6"                   | NO                           | NONE    | YES        | YES                |           |
| SP-8                                     | SUMP PUMP                   | 0"                   | NO                           | NONE    | YES        | YES                |           |
| <b>CLARIFIER LEVEL ANNUAL INSPECTION</b> |                             |                      |                              |         |            |                    |           |
| P-BV-1                                   | BLOWER VAULT                | 0"                   | NO                           | NONE    | —          | -----              |           |
| P-MH-8                                   | MAN HOLE<br>(needs 7 poles) | 0"                   | NO                           | NONE    | —          | —                  |           |
| COMMENTS:                                |                             |                      |                              |         |            |                    |           |

| LEACHATE PRETREATMENT FACILITY<br>LAGOON LEVEL<br>MONTHLY INSPECTION: August |                       |                      |                    |         |            |                    |                      |
|------------------------------------------------------------------------------|-----------------------|----------------------|--------------------|---------|------------|--------------------|----------------------|
| DATE: August 26, 2025                                                        |                       |                      | INSPECTOR: ML / AW |         |            |                    |                      |
| LOCATION:                                                                    | CONFINED SPACE (TYPE) | FLUID DEPTH (INCHES) | CONDITION:         |         | SUMP PUMP? | SUMP PUMP WORKING? | COMMENTS:            |
|                                                                              |                       |                      | ODORS              | DEFECTS |            |                    |                      |
| P-FV-1                                                                       | FLOW METER VAULT      | 0"                   | NO                 | NONE    | YES        | YES                |                      |
| P-MH-1                                                                       | MAN HOLE              | 0"                   | NO                 | NONE    | —          | -----              |                      |
| P-VV-1                                                                       | VALVE VAULT           | 0"                   | NO                 | NONE    | YES        | YES                |                      |
| P-VV-13                                                                      | VALVE VAULT           | 0"                   | NO                 | NONE    | —          | -----              |                      |
| P-VV-2                                                                       | VALVE VAULT           | 0"                   | NO                 | NONE    | YES        | Yes                |                      |
| P-VV-3                                                                       | VALVE VAULT           | 0"                   | NO                 | NONE    | YES        | Yes                | Had to trigger sump. |
| P-VV-4                                                                       | VALVE VAULT           | 0"                   | NO                 | NONE    | YES        | Yes                |                      |
| P-VV-5                                                                       | VALVE VAULT           | 0"                   | NO                 | NONE    | YES        | YES                |                      |
| P-VV-6                                                                       | VALVE VAULT           | 0"                   | NO                 | NONE    | YES        | YES                |                      |
| P-VV-7                                                                       | VALVE VAULT           | 0"                   | NO                 | NONE    | —          | -----              |                      |
| P-VV-8                                                                       | VALVE VAULT           | 0"                   | NO                 | NONE    | —          | -----              |                      |
| SP-6                                                                         | SUMP PUMP             | Full                 | NO                 | NONE    | YES        | NO                 | Drained              |
| SP-9                                                                         | SUMP PUMP             | ~12"                 | NO                 | NONE    | YES        | YES                |                      |
| LAGOON LEVEL ANNUAL INSPECTION                                               |                       |                      |                    |         |            |                    |                      |
| P-MH-2                                                                       | MAN HOLE              | 12"                  | NO                 | NONE    | —          | -----              |                      |
| COMMENTS:                                                                    |                       |                      |                    |         |            |                    |                      |

LEACHATE PRETREATMENT FACILITY  
CLARIFIER LEVEL  
MONTHLY INSPECTION: September

| <b>DATE:</b> August 26, 2025             |                             |                      | <b>INSPECTOR(S):</b> ML / AW |         |            |                    |           |
|------------------------------------------|-----------------------------|----------------------|------------------------------|---------|------------|--------------------|-----------|
| LOCATION:                                | CONFINED SPACE (TYPE)       | FLUID DEPTH (INCHES) | CONDITION:                   |         | SUMP PUMP? | SUMP PUMP WORKING? | COMMENTS: |
|                                          |                             |                      | ODORS                        | DEFECTS |            |                    |           |
| FD-1                                     | Flow Distribution           | Empty                | No                           | NONE    | —          | —                  |           |
| P-FV-2                                   | FLOW METER VAULT            | 0"                   | NO                           | NONE    | YES        | YES                |           |
| P-MH-3                                   | MAN HOLE                    | 0"                   | NO                           | NONE    | NO         |                    |           |
| P-MH-4                                   | MAN HOLE                    | 0"                   | NO                           | NONE    | NO         |                    |           |
| P-MH-9                                   | MAN HOLE                    | 3"                   | NO                           | NONE    | —          | -----              |           |
| P-VV-10                                  | VALVE VAULT                 | 0"                   | NO                           | NONE    | —          | -----              |           |
| P-VV-11                                  | VALVE VAULT                 | 0"                   | NO                           | NONE    | —          | -----              |           |
| P-VV-12                                  | VALVE VAULT                 | 0"                   | NO                           | NONE    | —          | -----              |           |
| P-VV-9                                   | VALVE VAULT                 | 0"                   | NO                           | NONE    | —          | -----              |           |
| SP-7                                     | SUMP PUMP                   | 6"                   | NO                           | NONE    | YES        | YES                |           |
| SP-8                                     | SUMP PUMP                   | 0"                   | NO                           | NONE    | YES        | YES                |           |
| <b>CLARIFIER LEVEL ANNUAL INSPECTION</b> |                             |                      |                              |         |            |                    |           |
| P-BV-1                                   | BLOWER VAULT                | 0"                   | NO                           | NONE    | —          | -----              |           |
| P-MH-8                                   | MAN HOLE<br>(needs 7 poles) | 0"                   | NO                           | NONE    | —          | —                  |           |
| COMMENTS:                                |                             |                      |                              |         |            |                    |           |

LEACHATE PRETREATMENT FACILITY  
LAGOON LEVEL  
MONTHLY INSPECTION: September

| <b>DATE:</b> August 26, 2025   |                       |                      | <b>INSPECTOR:</b> ML / AW |         |            |                    |           |
|--------------------------------|-----------------------|----------------------|---------------------------|---------|------------|--------------------|-----------|
| LOCATION:                      | CONFINED SPACE (TYPE) | FLUID DEPTH (INCHES) | CONDITION:                |         | SUMP PUMP? | SUMP PUMP WORKING? | COMMENTS: |
|                                |                       |                      | ODORS                     | DEFECTS |            |                    |           |
| P-FV-1                         | FLOW METER VAULT      | 0"                   | NO                        | NONE    | YES        | YES                |           |
| P-MH-1                         | MAN HOLE              | 0"                   | NO                        | NONE    | —          | -----              |           |
| P-VV-1                         | VALVE VAULT           | 0"                   | NO                        | NONE    | YES        | YES                |           |
| P-VV-13                        | VALVE VAULT           | 0"                   | NO                        | NONE    | —          | -----              |           |
| P-VV-2                         | VALVE VAULT           | 0"                   | NO                        | NONE    | YES        | Yes                |           |
| P-VV-3                         | VALVE VAULT           | 0"                   | NO                        | NONE    | YES        | Yes                |           |
| P-VV-4                         | VALVE VAULT           | 0"                   | NO                        | NONE    | YES        | Yes                |           |
| P-VV-5                         | VALVE VAULT           | 0"                   | NO                        | NONE    | YES        | YES                |           |
| P-VV-6                         | VALVE VAULT           | 0"                   | NO                        | NONE    | YES        | YES                |           |
| P-VV-7                         | VALVE VAULT           | 0"                   | NO                        | NONE    | —          | -----              |           |
| P-VV-8                         | VALVE VAULT           | 0"                   | NO                        | NONE    | —          | -----              |           |
| SP-6                           | SUMP PUMP             | Full                 | NO                        | NONE    | YES        | NO                 |           |
| SP-9                           | SUMP PUMP             | ~12"                 | NO                        | NONE    | YES        | YES                |           |
| LAGOON LEVEL ANNUAL INSPECTION |                       |                      |                           |         |            |                    |           |
| P-MH-2                         | MAN HOLE              | 12"                  | NO                        | NONE    | —          | -----              |           |
| COMMENTS:                      |                       |                      |                           |         |            |                    |           |



LEACHATE PRETREATMENT FACILITY  
CLARIFIER LEVEL  
MONTHLY INSPECTION

| <b>DATE:</b> October 30, 2025            |                             |                      | <b>INSPECTOR(S):</b> AW / TA |         |            |                    |                 |
|------------------------------------------|-----------------------------|----------------------|------------------------------|---------|------------|--------------------|-----------------|
| LOCATION:                                | CONFINED SPACE (TYPE)       | FLUID DEPTH (INCHES) | CONDITION:                   |         | SUMP PUMP? | SUMP PUMP WORKING? | COMMENTS:       |
|                                          |                             |                      | ODORS                        | DEFECTS |            |                    |                 |
| FD-1                                     | Flow Distribution           | Empty                | No                           | NONE    | —          | —                  | Not Discharging |
| P-FV-2                                   | FLOW METER VAULT            | 0"                   | NO                           | NONE    | YES        | YES                |                 |
| P-MH-3                                   | MAN HOLE                    | 0"                   | NO                           | NONE    | NO         |                    |                 |
| P-MH-4                                   | MAN HOLE                    | 0"                   | NO                           | NONE    | NO         |                    |                 |
| P-MH-9                                   | MAN HOLE                    | 0"                   | NO                           | NONE    | —          | -----              | Not Discharging |
| P-VV-10                                  | VALVE VAULT                 | 0"                   | NO                           | NONE    | —          | -----              |                 |
| P-VV-11                                  | VALVE VAULT                 | 0"                   | NO                           | NONE    | —          | -----              |                 |
| P-VV-12                                  | VALVE VAULT                 | 0"                   | NO                           | NONE    | —          | -----              |                 |
| P-VV-9                                   | VALVE VAULT                 | 0"                   | NO                           | NONE    | —          | -----              |                 |
| SP-7                                     | SUMP PUMP                   | 6"                   | NO                           | NONE    | YES        | YES                |                 |
| SP-8                                     | SUMP PUMP                   | 0"                   | NO                           | NONE    | YES        | YES                |                 |
| <b>CLARIFIER LEVEL ANNUAL INSPECTION</b> |                             |                      |                              |         |            |                    |                 |
| P-BV-1                                   | BLOWER VAULT                | 0"                   | NO                           | NONE    | —          | -----              |                 |
| P-MH-8                                   | MAN HOLE<br>(needs 7 poles) | 0"                   | NO                           | NONE    | —          | —                  |                 |
| COMMENTS:                                |                             |                      |                              |         |            |                    |                 |

| LEACHATE PRETREATMENT FACILITY<br>LAGOON LEVEL<br>MONTHLY INSPECTION |                       |                      |                    |         |            |                    |                                                      |
|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|---------|------------|--------------------|------------------------------------------------------|
| DATE: October 30, 2025                                               |                       |                      | INSPECTOR: ML / AW |         |            |                    |                                                      |
| LOCATION:                                                            | CONFINED SPACE (TYPE) | FLUID DEPTH (INCHES) | CONDITION:         |         | SUMP PUMP? | SUMP PUMP WORKING? | COMMENTS:                                            |
|                                                                      |                       |                      | ODORS              | DEFECTS |            |                    |                                                      |
| P-FV-1                                                               | FLOW METER VAULT      | 0"                   | NO                 | NONE    | YES        | YES                |                                                      |
| P-MH-1                                                               | MAN HOLE              | 0"                   | NO                 | NONE    | —          | -----              |                                                      |
| P-VV-1                                                               | VALVE VAULT           | 0"                   | NO                 | NONE    | YES        | YES                |                                                      |
| P-VV-13                                                              | VALVE VAULT           | 0"                   | NO                 | NONE    | —          | -----              |                                                      |
| P-VV-2                                                               | VALVE VAULT           | 0"                   | NO                 | NONE    | YES        | Yes                |                                                      |
| P-VV-3                                                               | VALVE VAULT           | 0"                   | NO                 | NONE    | YES        | Yes                | Lid is broken. Steve from maintenance was contacted. |
| P-VV-4                                                               | VALVE VAULT           | 0"                   | NO                 | NONE    | YES        | Yes                |                                                      |
| P-VV-5                                                               | VALVE VAULT           | 6"                   | NO                 | NONE    | YES        | YES                | We had to manually activate sump pump                |
| P-VV-6                                                               | VALVE VAULT           | 1'                   | NO                 | NONE    | YES        | YES                | We had to manually activate sump pump                |
| P-VV-7                                                               | VALVE VAULT           | 0"                   | NO                 | NONE    | —          | -----              |                                                      |
| P-VV-8                                                               | VALVE VAULT           | 0"                   | NO                 | NONE    | —          | -----              |                                                      |
| SP-6                                                                 | SUMP PUMP             | ~12"                 | NO                 | NONE    | YES        | NO                 |                                                      |
| SP-9                                                                 | SUMP PUMP             | ~12"                 | NO                 | NONE    | YES        | YES                |                                                      |
| LAGOON LEVEL ANNUAL INSPECTION                                       |                       |                      |                    |         |            |                    |                                                      |
| P-MH-2                                                               | MAN HOLE              | 12" Sed.             | NO                 | NONE    | —          | -----              |                                                      |
| COMMENTS:                                                            |                       |                      |                    |         |            |                    |                                                      |

LEACHATE PRETREATMENT FACILITY  
CLARIFIER LEVEL  
MONTHLY INSPECTION

| <b>DATE:</b> November 18 2025            |                          |                      | <b>INSPECTOR(S):</b> AW / TA |         |            |                    |                        |
|------------------------------------------|--------------------------|----------------------|------------------------------|---------|------------|--------------------|------------------------|
| LOCATION:                                | CONFINED SPACE (TYPE)    | FLUID DEPTH (INCHES) | CONDITION:                   |         | SUMP PUMP? | SUMP PUMP WORKING? | COMMENTS:              |
|                                          |                          |                      | ODORS                        | DEFECTS |            |                    |                        |
| Flash Mixer                              | Flow Distribution        | Full                 | No                           | NONE    | —          | —                  | Lagoon is discharging. |
| P-FV-2                                   | FLOW METER VAULT         | 0"                   | NO                           | NONE    | YES        | YES                |                        |
| P-MH-3                                   | MAN HOLE                 | 0"                   | NO                           | NONE    | NO         |                    |                        |
| P-MH-4                                   | MAN HOLE                 | 0"                   | NO                           | NONE    | NO         |                    | Handle sticks up.      |
| P-MH-9                                   | MAN HOLE                 | 6"                   | NO                           | NONE    | —          | -----              | Lagoon is discharging. |
| P-VV-10                                  | VALVE VAULT              | 0"                   | NO                           | NONE    | —          | -----              |                        |
| P-VV-11                                  | VALVE VAULT              | 0"                   | NO                           | NONE    | —          | -----              |                        |
| P-VV-12                                  | VALVE VAULT              | 0"                   | NO                           | NONE    | —          | -----              |                        |
| P-VV-9                                   | VALVE VAULT              | 0"                   | NO                           | NONE    | —          | -----              |                        |
| SP-7                                     | SUMP PUMP                | 6"                   | NO                           | NONE    | YES        | YES                |                        |
| SP-8                                     | SUMP PUMP                | 0"                   | NO                           | NONE    | YES        | YES                |                        |
| <b>CLARIFIER LEVEL ANNUAL INSPECTION</b> |                          |                      |                              |         |            |                    |                        |
| P-BV-1                                   | BLOWER VAULT             | 0"                   | NO                           | NONE    | —          | -----              |                        |
| P-MH-8                                   | MAN HOLE (needs 7 poles) | 0"                   | NO                           | NONE    | —          | —                  |                        |
| COMMENTS:                                |                          |                      |                              |         |            |                    |                        |

| LEACHATE PRETREATMENT FACILITY<br>LAGOON LEVEL<br>MONTHLY INSPECTION |                       |                      |                  |         |            |                    |                                       |
|----------------------------------------------------------------------|-----------------------|----------------------|------------------|---------|------------|--------------------|---------------------------------------|
| DATE: November 18 2025                                               |                       |                      | INSPECTOR: TA/AW |         |            |                    |                                       |
| LOCATION:                                                            | CONFINED SPACE (TYPE) | FLUID DEPTH (INCHES) | CONDITION:       |         | SUMP PUMP? | SUMP PUMP WORKING? | COMMENTS:                             |
|                                                                      |                       |                      | ODORS            | DEFECTS |            |                    |                                       |
| P-FV-1                                                               | FLOW METER VAULT      | 2"                   | NO               | NONE    | YES        | NO                 | Had to trigger sump.                  |
| P-MH-1                                                               | MAN HOLE              | 4"                   | NO               | NONE    | —          | -----              |                                       |
| P-VV-1                                                               | VALVE VAULT           | 0"                   | NO               | NONE    | YES        | YES                |                                       |
| P-VV-13                                                              | VALVE VAULT           | 0"                   | NO               | NONE    | —          | -----              |                                       |
| P-VV-2                                                               | VALVE VAULT           | 0"                   | NO               | NONE    | YES        | Yes                |                                       |
| P-VV-3                                                               | VALVE VAULT           |                      | NO               | NONE    | YES        |                    | Lid is broken. Unable to check.       |
| P-VV-4                                                               | VALVE VAULT           | 0"                   | NO               | NONE    | YES        | Yes                |                                       |
| P-VV-5                                                               | VALVE VAULT           | 4"                   | NO               | NONE    | YES        | NO                 | We had to manually activate sump pump |
| P-VV-6                                                               | VALVE VAULT           | 1"                   | NO               | NONE    | YES        | YES                |                                       |
| P-VV-7                                                               | VALVE VAULT           | 0"                   | NO               | NONE    | —          | -----              |                                       |
| P-VV-8                                                               | VALVE VAULT           | 0"                   | NO               | NONE    | —          | -----              |                                       |
| SP-6                                                                 | SUMP PUMP             | ~12"                 | NO               | NONE    | YES        | NO                 | Full                                  |
| SP-9                                                                 | SUMP PUMP             | ~12"                 | NO               | NONE    | YES        | YES                |                                       |
| LAGOON LEVEL ANNUAL INSPECTION                                       |                       |                      |                  |         |            |                    |                                       |
| P-MH-2                                                               | MAN HOLE              | 12" Sed.             | NO               | NONE    | —          | -----              |                                       |
| COMMENTS:                                                            |                       |                      |                  |         |            |                    |                                       |

LEACHATE PRETREATMENT FACILITY  
CLARIFIER LEVEL  
MONTHLY INSPECTION

| <b>DATE:</b> December 31, 2025           |                          |                      | <b>INSPECTOR(S):</b> ML / AW |         |            |                    |                        |
|------------------------------------------|--------------------------|----------------------|------------------------------|---------|------------|--------------------|------------------------|
| LOCATION:                                | CONFINED SPACE (TYPE)    | FLUID DEPTH (INCHES) | CONDITION:                   |         | SUMP PUMP? | SUMP PUMP WORKING? | COMMENTS:              |
|                                          |                          |                      | ODORS                        | DEFECTS |            |                    |                        |
| Flash Mixer                              | Flow Distribution        | Full                 | No                           | NONE    | —          | —                  | Lagoon is discharging. |
| P-FV-2                                   | FLOW METER VAULT         | 0"                   | NO                           | NONE    | YES        | YES                |                        |
| P-MH-3                                   | MAN HOLE                 | 0"                   | NO                           | NONE    | NO         |                    |                        |
| P-MH-4                                   | MAN HOLE                 | 0"                   | NO                           | NONE    | NO         |                    | Handle sticks up.      |
| P-MH-9                                   | MAN HOLE                 | 6"                   | NO                           | NONE    | —          | -----              | Lagoon is discharging. |
| P-VV-10                                  | VALVE VAULT              | 0"                   | NO                           | NONE    | —          | -----              |                        |
| P-VV-11                                  | VALVE VAULT              | 0"                   | NO                           | NONE    | —          | -----              |                        |
| P-VV-12                                  | VALVE VAULT              | 0"                   | NO                           | NONE    | —          | -----              |                        |
| P-VV-9                                   | VALVE VAULT              | 0"                   | NO                           | NONE    | —          | -----              |                        |
| SP-7                                     | SUMP PUMP                | 6"                   | NO                           | NONE    | YES        | YES                |                        |
| SP-8                                     | SUMP PUMP                | 0"                   | NO                           | NONE    | YES        | YES                |                        |
| <b>CLARIFIER LEVEL ANNUAL INSPECTION</b> |                          |                      |                              |         |            |                    |                        |
| P-BV-1                                   | BLOWER VAULT             | 0"                   | NO                           | NONE    | —          | -----              |                        |
| P-MH-8                                   | MAN HOLE (needs 7 poles) | 0"                   | NO                           | NONE    | —          | —                  |                        |
| COMMENTS:                                |                          |                      |                              |         |            |                    |                        |

| LEACHATE PRETREATMENT FACILITY<br>LAGOON LEVEL<br>MONTHLY INSPECTION |                       |                      |                    |         |            |                    |                                 |
|----------------------------------------------------------------------|-----------------------|----------------------|--------------------|---------|------------|--------------------|---------------------------------|
| DATE: December 31, 2025                                              |                       |                      | INSPECTOR: ML / AW |         |            |                    |                                 |
| LOCATION:                                                            | CONFINED SPACE (TYPE) | FLUID DEPTH (INCHES) | CONDITION:         |         | SUMP PUMP? | SUMP PUMP WORKING? | COMMENTS:                       |
|                                                                      |                       |                      | ODORS              | DEFECTS |            |                    |                                 |
| P-FV-1                                                               | FLOW METER VAULT      | 2"                   | NO                 | NONE    | YES        | NO                 |                                 |
| P-MH-1                                                               | MAN HOLE              | 4"                   | NO                 | NONE    | —          | -----              |                                 |
| P-VV-1                                                               | VALVE VAULT           | 0"                   | NO                 | NONE    | YES        | YES                |                                 |
| P-VV-13                                                              | VALVE VAULT           | 0"                   | NO                 | NONE    | —          | -----              |                                 |
| P-VV-2                                                               | VALVE VAULT           | 0"                   | NO                 | NONE    | YES        | Yes                |                                 |
| P-VV-3                                                               | VALVE VAULT           |                      | NO                 | NONE    | YES        |                    | Lid is broken. Unable to check. |
| P-VV-4                                                               | VALVE VAULT           | 0"                   | NO                 | NONE    | YES        | Yes                |                                 |
| P-VV-5                                                               | VALVE VAULT           | 0"                   | NO                 | NONE    | YES        | Yes                |                                 |
| P-VV-6                                                               | VALVE VAULT           | 1"                   | NO                 | NONE    | YES        | YES                |                                 |
| P-VV-7                                                               | VALVE VAULT           | 0"                   | NO                 | NONE    | —          | -----              |                                 |
| P-VV-8                                                               | VALVE VAULT           | 0"                   | NO                 | NONE    | —          | -----              |                                 |
| SP-6                                                                 | SUMP PUMP             | ~6"                  | NO                 | NONE    | YES        | NO                 | 10' from the top                |
| SP-9                                                                 | SUMP PUMP             | ~12"                 | NO                 | NONE    | YES        | YES                |                                 |
| LAGOON LEVEL ANNUAL INSPECTION                                       |                       |                      |                    |         |            |                    |                                 |
| P-MH-2                                                               | MAN HOLE              | 12" Sed.             | NO                 | NONE    | —          | -----              |                                 |
| COMMENTS:                                                            |                       |                      |                    |         |            |                    |                                 |