Field Assessment of High-Priority Managed Aquifer Recharge Sites in the Upper Yakima: Taneum Creek MAR Site Pilot Test Report

Ecology Grant WRYBIP-1921-KittRD-00017

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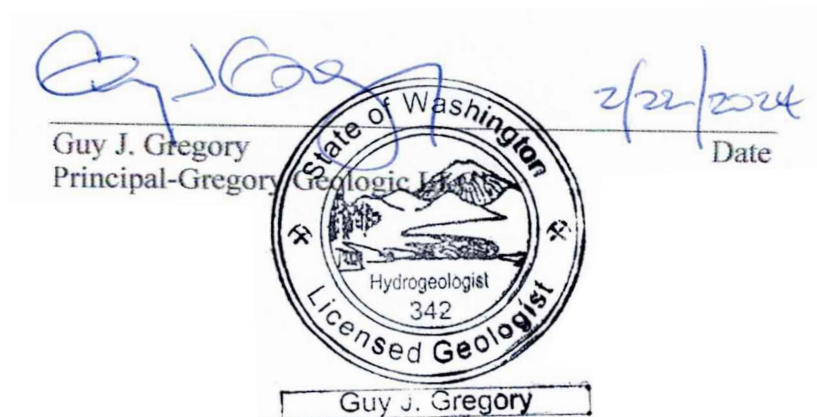
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Project No.:	W3X78411
Date:	January 31, 2024
Client Name:	Kittitas Reclamation District
Prepared By:	Gregory Geologic LLC and Jacobs
Data Collected By:	Gregory Geologic LLC and EA Engineering, Science, and Technology, Inc., PBC

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ACRONYMS AND ABBREVIATIONS

ac-ft/yr	acre-feet per year
cfs	cubic feet per second
DNR	Washington State Department of Natural Resources
EA Engineering	EA Engineering, Science, and Technology, Inc., PBC
Ecology	Washington State Department of Ecology
EPA	U.S. Environmental Protection Agency
ESA	Endangered Species Act
ft^2	square feet
ft^3	cubic feet
ft/day	feet per day
ft/ft	feet per foot
GPS	Global Positioning System
Gregory	Gregory Geologic LLC
I-90	Interstate 90
KRD	Kittitas Reclamation District
MAR	managed aquifer recharge
mg/l	milligram(s) per liter
QAPP	Quality Assurance Project Plan
pilot test	Taneum Creek MAR Site Pilot Test
Reclamation	Bureau of Reclamation
WAC	Washington Administrative Code
WTF Method	Water Table Fluctuation Method

EXECUTIVE SUMMARY

Taneum Creek is a Yakima River tributary located near Thorp in Kittitas County, Washington. In 2020, this creek was identified as the highest-ranking site in the Kittitas Valley that is likely suitable for MAR projects. Due to the 2020 ranking, KRD developed the Taneum Creek MAR Site Pilot Test (pilot test) to quantify and assess MAR potential at this site in support of continued evaluation of groundwater storage projects. This work was funded by Washington State Department of Ecology (Ecology) Grant Number WRYBIP-1921-KittRD-00017 (EIM Study ID: WRYBIP-1921-KittRD-0017-B).

Although inherent limitations exist in the methodology, results from the pilot test demonstrate that (1) a flow rate of 4 cubic feet per second (cfs) of water can be discharged to the ground at the project site without impact on current surface land use; (2) discharge water from the KRD-operated Taneum Chute to ground at the site has not been shown to impact groundwater quality; (3) recharge water percolates to the water table and increases water table elevation as quickly as less than a hour near the discharge point; (4) recharge water is likely to discharge to Taneum Creek at or near the confluence with the Yakima River; and (5) recharge water is likely to be delayed approximately 6 to 8 weeks before discharging to the Yakima River which suggests MAR at this location may mitigate low flows in the Yakima River in mid-to late summer dependent upon recharge timing.

Recommendations for further work to reduce uncertainty in the evaluation of the pilot test site as a potential MAR location include (1) continued monitoring of Taneum Creek to determine source water potential; (2) assessing gaining and losing reaches on Taneum Creek; (3) obtain onsite information on the porosity and permeability of the aquifer; (4) assess the ability to develop an engineered discharge facility to enhance performance and minimize conflict with surface activity; (5) consider a fixed area lagoon, or a series of subsurface drainage pipes to distribute water for MAR; and (6) continue monitoring groundwater in the project site and expand if possible downgradient as gaining/losing reach information guides.

1 INTRODUCTION

The Kittitas Reclamation District (KRD) assessed MAR potential in the Kittitas Basin and identified 57 high-ranking locations (EA Engineering et al. 2020). Work conducted at the top-ranking sites included installation of monitoring equipment and field site visits to estimate local streamflows at 14 locations to assess water availability for potential MAR projects This report summarizes the Taneum Creek MAR Site Pilot Test (pilot test) which was conducted to evaluate aquifer characteristics, such as recharge potential and water quality compatibility.

Taneum Creek is a Yakima River tributary located near Thorp in Kittitas County, Washington. In 2020, this creek was identified as the highest-ranking site in the Kittitas Valley that is likely suitable for MAR projects (EA Engineering et al. 2020). Due to the 2020 ranking, KRD developed a pilot test to quantify and assess MAR potential for the pilot test site (Figure 1) in support of continued evaluation of groundwater storage projects. This work was funded by Washington State Department of Ecology (Ecology) Grant Number WRYBIP-1921-KittRD-00017 (EIM Study ID: WRYBIP-1921-KittRD-0017-B). This work aligns with the goals and objectives of the Yakima Basin Integrated Plan (YBIP) and was funded by the YBIP Groundwater Storage Subcommittee in coordination with Ecology.

The Taneum pilot test and data analysis were conducted by Gregory Geologic LLC (Gregory), with data collection and analysis support provided by EA Engineering, Science and Technology, Inc., PBC (EA Engineering), and with assistance from KRD. Additional site-specific contributions were provided by the Kittitas Conservation District; Bureau of Reclamation (Reclamation); Ecology; and Jacobs. This report was written by Gregory and Jacobs, incorporating review comments from representatives of Ecology and the Yakama Nation and others.

The pilot project includes high-frequency monitoring of surface flows in Taneum Creek on and near the project site and water table elevation in wells constructed for the groundwater monitoring program on and near the project site (Wells MW-A through MW-D). Surface and groundwater measurements were synchronized to facilitate analysis. The pilot test was conducted over the course of seven days between September 18 and 25, 2023. The test obtained information and data to evaluate whether an operational MAR project will be protective of groundwater quality and the degree to which water applied to the site will be delayed in discharge to Taneum Creek or Yakima River below the site. The test was conducted in accordance with an approved Quality Assurance Project Plan (QAPP) for the project (EA Engineering et al. 2023).

The following sections describe the development of the site's conceptual model, chemical and hydrologic testing, recharge application, and an analysis. Additional sections provide a discussion of project, permitting and infrastructure, results, and limitations.
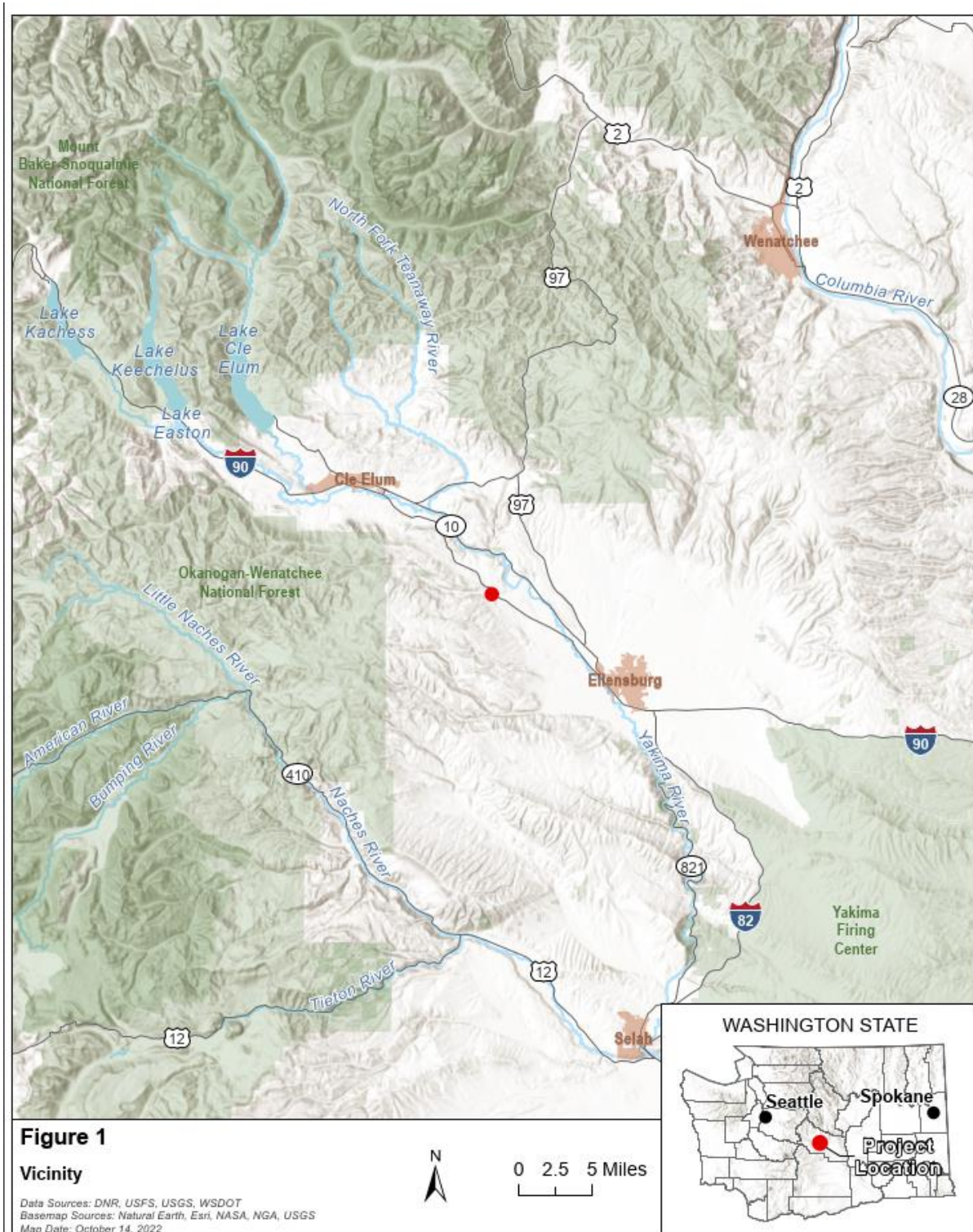
Figure 1. Vicinity of the Taneum Pilot Test

2   OBJECTIVES

The pilot test was proposed and funded with the following objectives:

Objective 1 – Determine if water discharged to the project site from the Taneum Chute is resident in site aquifer materials.

- Measure:

    - Flow out of Taneum Chute discharge facility onto project site.
    - Water table elevation in site wells on an hourly basis for 2 weeks prior to, during, and as needed after the discharge.
    - Area of inundation/saturation of project site daily until saturated conditions are no longer evident.

- Assess:

    - Using general methodologies estimate:
    - Bulk hydraulic conductivity of the subsurface at the Taneum Creek MAR site.
    - Soil infiltration capacity at the Taneum Creek MAR site.
    - Storage capacity of the subsurface at the Taneum Creek MAR site.

Objective 2 – Determine if discharge of the Taneum Chute water affects groundwater quality.

- Measure:

    - Water quality parameters in the Taneum Chute prior to, during, and following discharge operations to the project site during normal ambient irrigation period conditions.
    - Compare groundwater quality standards to the applicable measured water quality parameters in groundwater within the proposed MAR project site prior to, during, and following discharge to the facility.

- Assess if the proposed operational MAR affects groundwater quality in the project site.

Objective 3 – Evaluate operational aspects of the pilot test.

- Evaluate:

    - The performance of diversion operations to identify any issues or problems that may occur during the test that would need to be revised or corrected before implementation.

- Assess:

    - How water spreads across the site, including observing and correcting any undesirable impacts or issues.
    - The rate of application and the site of saturation.

– Project effectiveness and monitoring actions.

3 PERMITTING

This section describes the permitting process for the Pilot Test and provides a strategy for permitting and approving long-term recommended actions for the site. Applicable laws, regulations, policies, procedures, and requirements for MAR projects were analyzed as part of this process. This section satisfies Task 6 deliverables for Grant Number WRYBIP-1921-KittRD-00017.

3.1 Pilot Test Permit and Approval Summary

Ecology funding required a QAPP for the Project (EA Engineering et al. 2023). The final Feasibility Study for the Proposed Taneum Creek Managed Aquifer Recharge Pilot Project: Water Quality Components QAPP was submitted to Ecology and approved on July 7, 2023.

The Project occurs on Reclamation Lands and is therefore considered a federal action triggering the National Environmental Policy Act (NEPA). KRD and its consultants worked with Reclamation to gather the environmental documentation to support a NEPA Categorical Exclusion Checklist which was approved by Reclamation on February 14, 2023.

A Permit for Archeological Investigations was obtained on July 4, 2022, from Reclamation per the Antiquities Act of 1906 for Jacobs to conduct archeological surveys within the Area of Potential Effects for the Project. Jacobs performed the surveys and provided Reclamation the Cultural Resources Survey Report (Jacobs, 2022a) which was used for DAHP concurrence that received on November 30, 2022 (DAHP Project Tracking Code 2022-03-01651).

Jacobs also conducted a wetland reconnaissance of the Pilot Test site and provided Reclamation the findings which indicated flooding the field would not impact aquatic resources on the site (Appendix B, Figure 2, Jacobs 2022b).

Reclamation was provided a Drone Flight Plan on August 8, 2023, and gave Reclamation at least 24 hours' notice prior to each drone flight per requirements for Kittitas Reclamation District to fly the drone over Reclamation managed lands. Drone flights were performed by Kittitas County Conservation District staff.

In addition to NEPA compliance, KRD also obtained a Land Use License from Reclamation to prepare for and conduct the Pilot Test on the parcel. The Land Use License (Contract Number 21-07-13-L1381) was approved on March 2, 2021, and amended on March 14, 2023.

3.2 Long-Term Permit Strategy

A long term Taneum MAR Project would require coordination with Reclamation to draft a long-term Land Use License that covers these actions. This will trigger the need for an additional NEPA assessment including satisfying National Historic Preservation Act Section 106 and

Endangered Species (ESA) Section 7 compliance. National Historic Preservation Act Section 106 compliance is likely met per the consultation completed for the pilot test; however, an additional assessment to confirm design of the proposed water delivery system does not change from that analysis and coordination with Reclamation is recommended to confirm this.

The ESA requires all Federal agencies to use their authorities to conserve endangered and threatened species in consultation with the U.S. Fish and Wildlife Service, the national Oceanic and Atmospheric Administration, and the National Marine Fisheries Service. Projects are required to address direct and indirect impacts to species, as well as direct and indirect impacts to their critical habitat. The Pilot test had No Effect on ESA-listed species; however, an additional NEPA assessment will require this be assessed to confirm whether a No Effect determination remains valid.

Reclamation has also expressed concerns on whether long term flooding of the wetlands could require Clean Water Act (CWA) permit approvals to evaluate whether a MAR Project impacts wetlands on the site based on the timing and duration of when the site is flooded. This may require a full wetland delineation if CWA Section 401 and CWA Section 404 permit approvals are required for a long term Taneum MAR Project. Early coordination with U.S. Army Corps of Engineers (USACE) and Ecology is recommended to determine if they would require a Joint Aquatic Resources Permit Application (JARPA) to assess if CWA approvals are needed for this work. A wetland delineation is recommended if USACE and Ecology require a JARPA. Additional coordination is also recommended with Reclamation to follow up on if additional information is needed in support of NEPA based on conversations with USACE and Ecology.

Most surface infiltration projects are not required to be permitted under Ch. 173-157 WAC, Underground Artificial Storage and Recovery, since recharge alone does not require permitting under RCW 90.03.370. However, compliance with applicable water quality and underground injection and control standards is required.

A water right (Form No. ECY 040-1-14) or a change in water right (Form No. ECY 040-1-97) may be required if infiltrated water (returned to a surface water source) is being applied for beneficial use. If a new water right is necessary, Ecology requires a MAR Permit application (Form No. ECY 070-663), which includes the following:

- Purpose and use (rate, volume, and period of infiltration)
- Point of diversion or withdrawal locations
- Related water right information
- Location of infiltration basins
- Facility operational details, including system design and operation.
- An environmental assessment, including a copy of State Environmental Policy Act threshold determination.

A pre-application meeting with Ecology is recommended as the process is extensive and complex. Ecology has used Temporary Water Right Permits in conjunction with Preliminary Permits for surface infiltration facilities in order to expedite implementation and to monitor operation of the facility in order to collect information needed to issue a permanent water right permit. Issuance of Temporary Permits still requires Ecology to make a four-part test determination and conduct public notice of the application as required by RCW 90.03.280.

Compliance with all other applicable State, Federal, Tribal, and local rules and regulations will be required. Some of these may include:

- Grading permit: required for projects where excavation of land exceeds 100 cubic yards unless certain exceptions are met (Kittitas County Code 14.05.050), and generally takes four to six weeks to obtain.
- Electrical permitting: will be required by the County with guidance provided by a licensed contractor.
- Construction Stormwater General Permit from Ecology: the development and implementation of a Stormwater Pollution Prevention Plan may be required if the project disturbs 1-acre or more of land and discharges stormwater to surface water of the State.

4   LOCAL WATER RIGHTS, INFRASTRUCTURE, AND POTENTIAL WATER AVAILABILITY

This section summarizes the opportunities and constraints associated with surface water movement at the pilot test site and satisfies Task 5 deliverables for Grant Number WRYBIP-1921-KittRD-00017.

Waterbodies and irrigation infrastructure near the site are depicted in Figure 2. These include:

- Taneum Creek.
- KRD South Branch Canal, which bifurcates into the syphon and the chute at the top of the hill to the north of the site.
- Taneum Chute (also known as the Taneum Creek Wasteway), which is an open, cement-lined channel that delivered water for the pilot test.
- KRD Taneum Siphon that also starts at top of hill and goes under Taneum creek and then reemerges on top of hill to the south.
- Taneum Ditch, which is commonly known as the Taneum Canal Company, is operated by KRD under an agreement between the two districts.
- Mann Ditch.
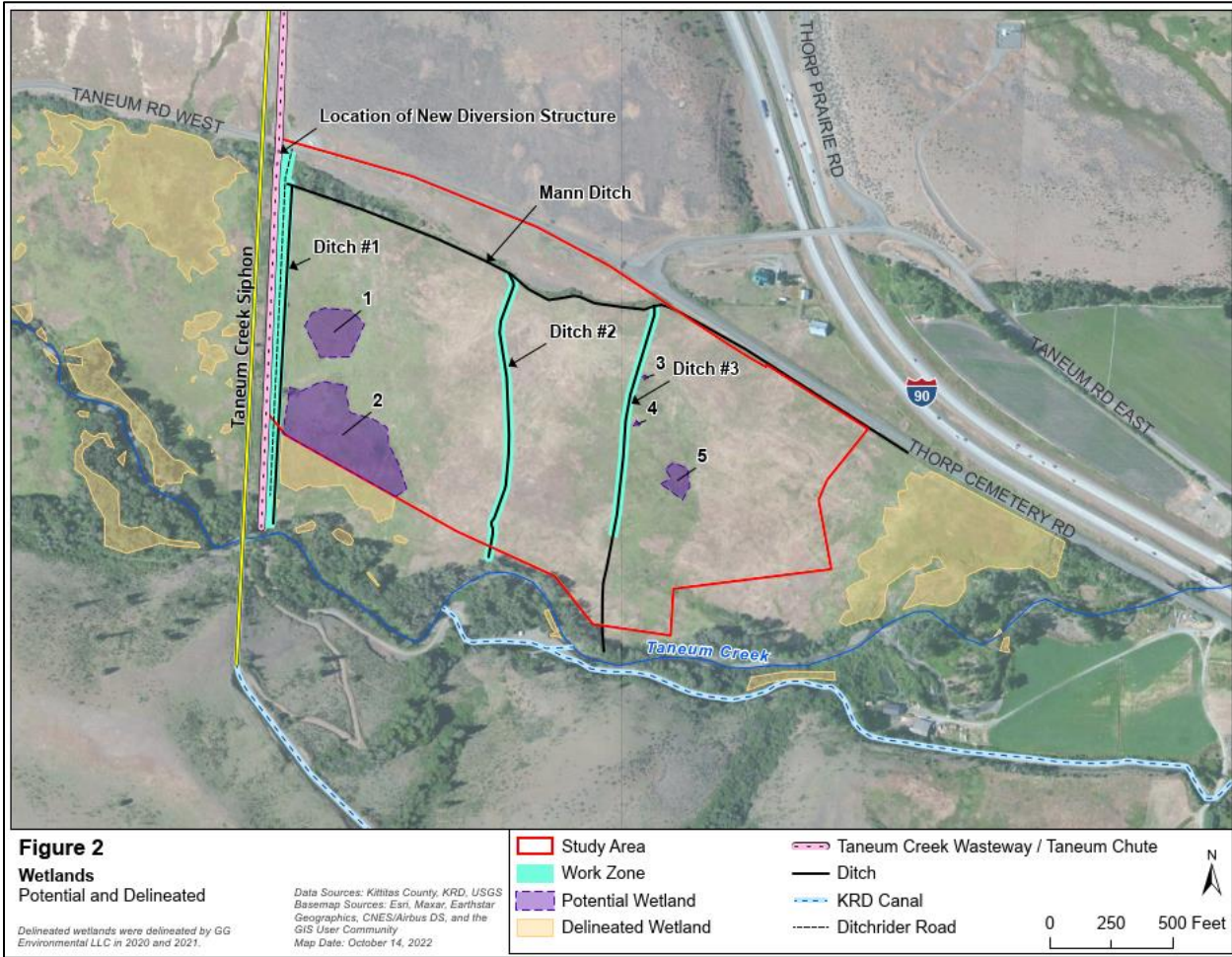
Figure 2. Waterbodies and irrigation infrastructure near the site

4.1 *Mann Ditch: a third irrigation entity; no ties to KRD Local Water Rights*

Mann Ditch, an irrigation entity separate from the KRD, borders the northern boundary of the project site and maintains a maximum irrigation-season delivery of 21 cubic feet per second (cfs) for Parcel Numbers 18-17-06020-0010 and 18-17-06020-0011.

The Taneum Canal Company, which obtains water through the Taneum Chute (Certificate No. S4-83062-J) (Figure 2) is allocated irrigation water from February 20 to November 15 with a maximum rate of 61.7 cfs (9,620 ac-ft/yr). This includes a temporary trust water donation of 0.58 cfs currently in the pending stage with Ecology.

4.2 *Infrastructure*

Infrastructure for MAR source water delivery is available at the pilot test site and includes the Taneum Chute and KRD Flume (Figure 2). Source water availability and diversion capacity within the irrigation system is dependent upon seasonal variations driven by demand, with capacity to

deliver source water optimized when demand is low. Outside of the existing irrigation systems at the site, Taneum Creek may also be a source for surface water. Infrastructure requirements for surface water collection and conveyance for an infiltration project at the site may include:

- Fish screening: any instream diversions from Taneum Creek will require fish screens such as instream pump intake screen, traveling belt screen, horizontal screen, etc.
- Pump station sized for the minimum capacity, with capacity determined during the final project phase.
- Pump motor controls at the pump site housed in watertight enclosures.
- Electrical services
- Water measurement equipment to monitor the flow rate and cumulative volume delivered to the site.
- Forcemain for water conveyance
- Sedimentation tank

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5   EXISTING CONDITIONS

The groundwater system at the pilot test project site is hosted in a series of fining upward sequences of silty, clayey, sandy gravel, interpreted as braided stream deposits. The material has a variable degree of sand and clay. These sediments host a water table aquifer, known to a depth of 60 feet. Static water levels are between 1-12 feet below ground surface, dependent upon the well. Figure 6 contains hydrographs of site wells since construction.

5.1   Methodology

The pilot test was created to be a simple, short-term action to assess baseline conditions for MAR. To evaluate groundwater properties, the existing monitoring wells were monitored to evaluate groundwater levels, thus water table response to recharge, before, during, and after the pilot test. Pilot test hydrographs are in Figure 9, Appendix B, and data is in table 1, Appendix B.

5.1.1   Groundwater Monitoring Program

Continuous well monitoring also allows for additional data analysis under varying weather-related events. The program includes four monitoring wells, located at each corner of the site, labeled MW-A, MW-B, MW-C, and MW-D (Figure 3). Standard operating procedures that were followed throughout the installation and monitoring process are found in the project QAPP (KRD, 2023). Hydrographs for the wells are presented in Figure 4.

Figure 3. Taneum Creek pilot test and groundwater monitoring well locations.
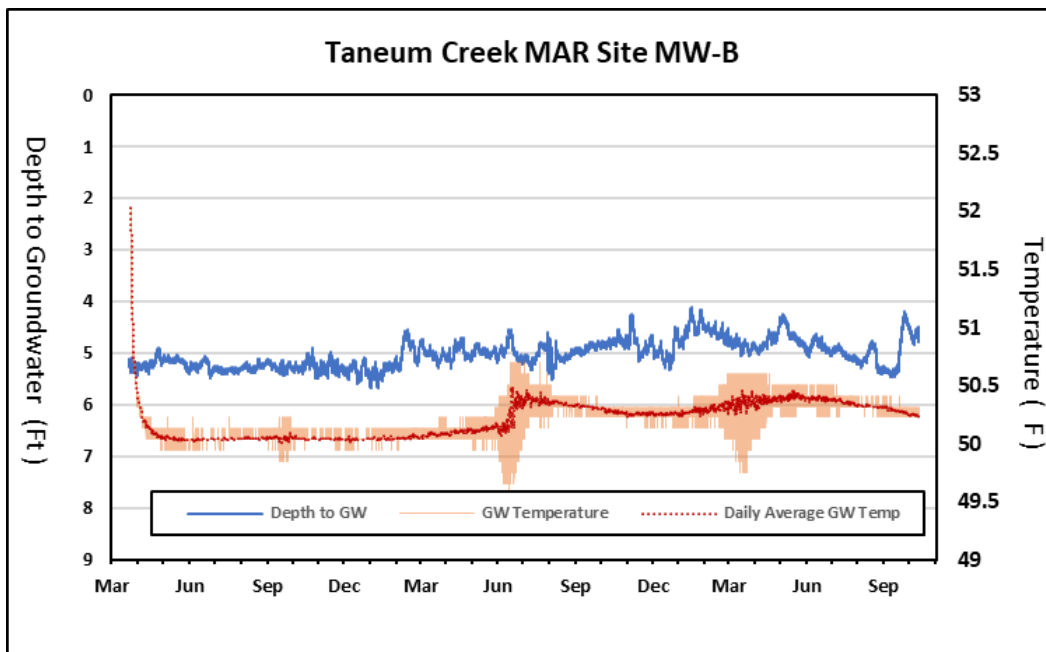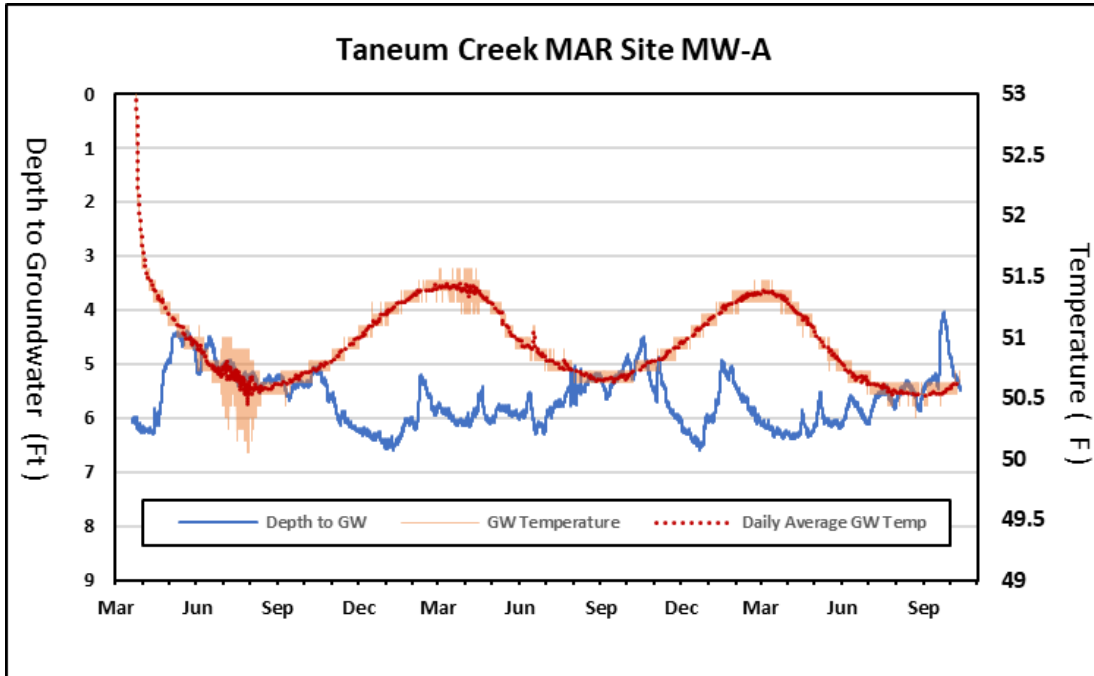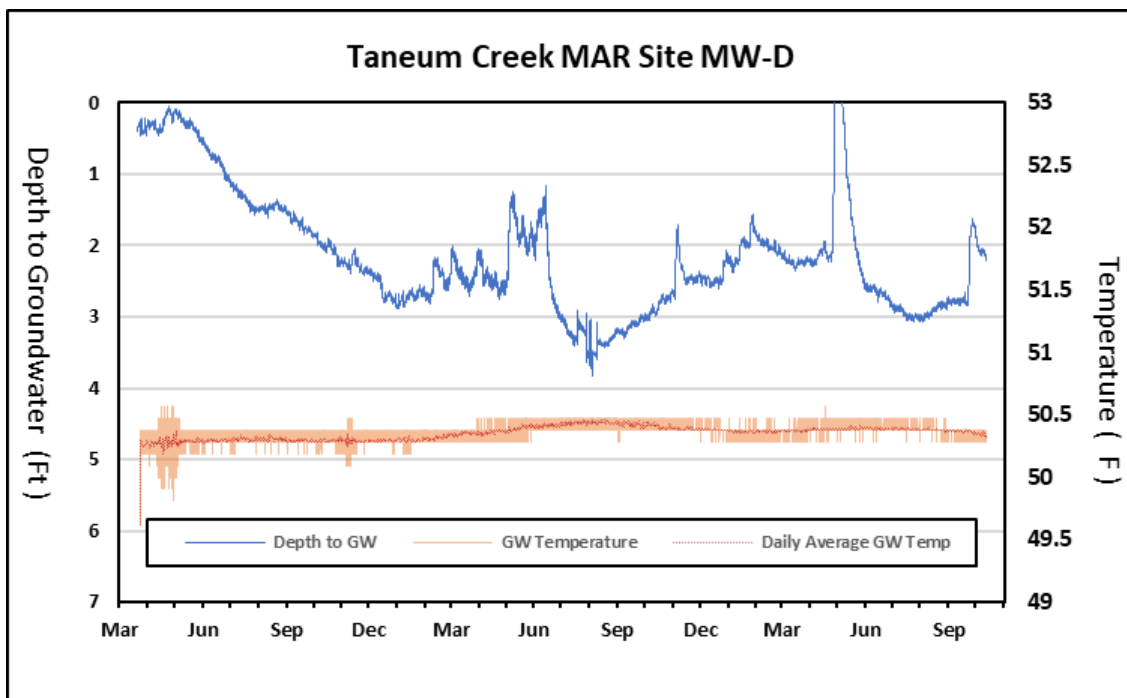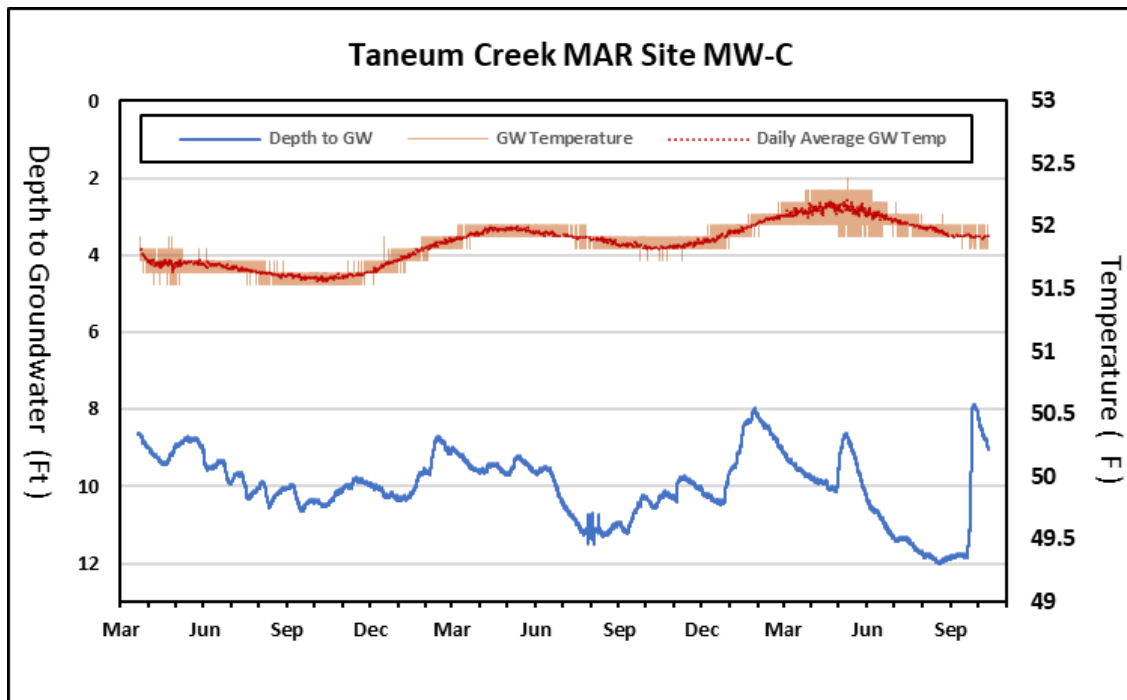
Figure 4. Monitoring Well Data recording began in March 2021.

5.1.2   Pilot Test Process and Implementation

The test plan calls for water diverted from the Taneum Chute adjacent to and upgradient of the project property to be applied to surface soil at a controlled rate for a specific time period to minimize complexity introduced by incident precipitation and other factors. The test was conducted between September 18 and 25, 2023, during the late 2023 water season. The year 2023 was a drought year, and junior water rights holders, including the KRD, had their water rights curtailed.

Approximately 53.4 ac-feet of water was discharged to the drought-affected field for a period of seven days at a rate of 3.85 cfs. Water volume and rate of application were monitored (Appendix 2, Table 2), the total time of application was recorded (Appendix 2, Table 3), and estimates of the area of inundation were made during application (Appendix 2, Tables 7 through 9, and Figures 4 through 6).

In this test, any rise of the groundwater level in the unconfined aquifer is due only to the application of recharge water from the Taneum Chute. By holding the recharge constant over a known period of time and measuring head changes (Appendix B, Table 1, and Figures 9 through 12), the bulk specific yield for the project site materials was calculated. Similarly, using head change gradients and recharge rates, Darcy's law was then used to estimate hydraulic conductivity of site materials. This approach can be used to estimate flux of artificially applied water through the site and to provide an analytical estimate of average linear velocity of groundwater and timing of return to locations downstream. This information informs post-test evaluation of design alternatives and more focused data gathering efforts to enhance the performance of an operational MAR facility.

The quality of water applied to the site and in site wells was monitored prior to, during, and following application, to estimate the quality impacts of application from the Taneum Chute to site groundwater. Results are in Appendix B, Tables 4 and 5.

5.1.3   Recharge Application

Two Atlas Copco diesel-powered pumps (Type PAS 150 HF; Pump A and Pump B) were operated on 12-hour shifts. During the application period, water was pumped from the Taneum Chute continuously at a rate of approximately 4 cfs as measured at the independently metered pumps. The two pumps' discharge points were separated by about 15 feet (Appendix B, Figure 1). The 12-hour shift configuration facilitated continuous operation, easing refueling and pump maintenance tasks while providing operational redundancy should one pump fail. Discharge was continuous throughout the study period.

Discharge for each pump was measured by Micrometer flow meters. Pump A operated daily from 8:00 p.m. to 8:00 a.m.; Pump B operated from 8:00 a.m. to 8:00 p.m. Meter records were collected daily and are listed in Appendix B, Table 2. Total flow readings and calculated average discharge to the field are listed in Appendix B, Table 3. In-field fluctuations of the rate meter

made it difficult to precisely control the rate minute to minute, but ultimately the calculated rate using meter total flow values indicated an average application rate of 3.85 cfs. In total, the pilot test delivered roughly 17.5 million gallons, or 53.4 ac-ft of water to the test site.

5.1.4 Chemical Testing

Chemical samples were taken in accordance with the approved QAPP (KRD 2023). The purpose of the sampling was to assess whether application of water from KRD irrigation infrastructure would negatively impact groundwater quality. Samples were taken from Taneum Chute water and from each individual site monitoring well.

The QAPP called for sampling of wells using a bailer system. A YSI multi-parameter flow-through cell and peristaltic pump were used to acquire samples and field parameter data. Field parameter data is in Appendix B, Table 4.

Initial samples were collected August 23, 2023, prior to recharge application. Subsequent sample events occurred during recharge application on September 20, 2023, and following cessation of water application on October 12, 2023. Samples were collected under chain-of-custody protocols as listed in the project QAPP to minimize possible sample contamination. All samples were analyzed by LabTest Laboratory in Yakima, Washington. Laboratory results are in Appendix B, Table 5. Laboratory reports are in Appendix C.

5.1.5 Hydrologic Testing

The test period began on August 23, 2023, when site wells were sampled for the pre-test water quality sampling event, and initial test water levels were gathered. Recharge application began at 8:00 a.m. on September 18, 2023, and was continuous through 8:00 a.m. on September 25, 2023. The test period ended with the post-test water quality sampling event on October 12, 2023.

Manual water level measurements were obtained in site wells during the August 23, 2023, sampling event. Measurements were collected daily during the recharge event and twice following cessation of recharge, ending on October 12, 2023. (Appendix B, Table 1). Transducers installed in site monitoring wells gathered data on an hourly basis throughout the project period. Transducer data between September 1 and October 12, 2023, are included in this analysis (Appendix B, Table 10). Transducers remain onsite in each well, recording measurements hourly with the goal of obtaining additional funding to continue monitoring groundwater levels at the site to establish trends in response to varying conditions, such as droughts and flooding events.

5.2   Analysis and Discussion

5.2.1 Recharge Site

Water pumped to the field spread preferentially along preexisting ditches and low areas. Prominent ditches are those paralleling the Taneum Chute access road, and one along the section of Mann Ditch bordering the north side of the project site. KRD personnel rehabilitated

two former north-south distribution ditches in the field to facilitate spreading (Appendix B, Figure 2) Water found its way in numerous low spots within the saturated area (Appendix B, Figure 3) Figures 4 through 6 in Appendix B illustrate the progressive increase of saturated soils and standing water mapped using a Global Positioning System (GPS) location to mark the site. (Appendix B, Table 9) The perimeter of the saturated area was traversed on foot, recording the boundary using a handheld GPS unit (Appendix B, Table 7 through 9), which near the end of the test indicated a saturated area of approximately 18 acres). Drone flights were conducted by the Kittitas Conservation District estimated the area of inundation using thermal imaging, Flights were conducted on 9/22/2023 (Test day 5, Appendix B, Figure 7) and 4 days following cessation of application on 9/28/2023 (Appendix B, Figure 8).

Static water levels in onsite monitoring wells were measured daily (Appendix B, Table 1), to supplement and verify the head data gathered by transducers in the monitoring wells(Appendix B, Table 10) . Manual and transducer well measurements and water table elevations during the test are plotted in Appendix B, Figures 9 through 12. Maps showing water table surface elevation during the test period are shown in Appendix B, Figures 13 and 14.

5.2.2   Water Quality

Field and laboratory data are summarized in Appendix B, Tables 4 and 5. Laboratory results are in Appendix C.

Fecal coliform concentrations were detected at 7.2 and 9.0 colony forming units per 100 milliliters in the August and September sampling events, respectively. Fecal coliform was also detected in Well MW-A in the September sampling event, reflecting the close hydraulic relationship between the recharged water in the northeast corner of the site and Well MW-A.

Nitrate was detected in all wells and in surface water. Concentrations detected in surface water and Wells MW-B, MW- C, and MW-D were less than 1 milligram per liter (mg/l) in each event. Well MW-A contained nitrate at values between 3.0 and 4.8 mg/l in each sampling event. All detections are below applicable drinking water standards.

Dissolved and total zinc were present in both groundwater and surface water. Well MW-A contained the highest concentration of total zinc at 0.137 mg/l. The remaining detected concentrations in surface water and well samples were below 0.030 mg/l. All detections are below applicable water quality standards.

The detected values indicated similar chemical constituents in groundwater and surface water. Well MW-A detections were the most similar to surface water concentrations, which was expected, as MW-A is close to the discharge area for recharge water. Laboratory results are summarized in Table 3 in Appendix B. Laboratory reports are provided in Appendix B.

Based upon laboratory reported water quality concentrations, application of Taneum Chute surface water to the groundwater at the pilot test project site for purposes of aquifer recharge is

protective of and will maintain existing and future beneficial uses in accordance with WAC 173-200-030.

5.2.3 Hydrologic Conditions

Ultimate Applied Water Discharge Location

Gaining and losing reaches of Taneum Creek have not been identified in previous studies (Ecology, 2016). Preliminary estimates and local observers suggest the groundwater discharges to Taneum Creek near Interstate 90 (I-90). Field reconnaissance and well log examination down the length of Taneum Creek between the project area and the confluence with the Yakima River reveal no indication of gaining reaches of Taneum Creek between the project site and the Yakima River. Applying the average site groundwater gradient of 0.02 downstream from Well MW-C, the elevation of the water table should be about 1,803 feet above mean sea level at the I-90 crossing, where the creek is at an elevation of approximately 1,820 feet above mean sea level. Thus, the water table should be roughly 17 feet below ground surface in this location. Assuming the gradient downstream remains constant, the water table and surface elevation should coincide at roughly 1,680 feet above mean sea level, near the Taneum Creek/Yakima River confluence.

Test Response

Hydrographs of each well show water table response gathered by transducer and verified by etape during the test period (Appendix B, Figures 9 through 13). Pumped recharge water was applied to the field approximately 15 feet from the upgradient well (Well MW-A) within the pilot test project site.

Each graph indicates the hydrologic response to recharge in site wells. Gradients between wells were calculated (Appendix B, Table 6)   These calculations indicate wells MW-B and MW-D are generally cross-gradient with respect to the valley axis; Well MW-C seems to represent the most reliable downgradient well and was used in the following analysis.

Ground water response data (Appendix B, Figures 15 and 16) indicate the following:

- Groundwater levels in Well MW-A responded within the first hour after recharge began.
- Groundwater levels in Well MW-B began to rise approximately 24 hours after recharge started.
- Groundwater levels in Well MW-C began to rise approximately 36 hours after the test started.
- Groundwater levels in Well MW-D responded to recharge approximately 112 hours after recharge began.
- Upon cessation of recharge, Wells MW-A and MW-B began declining nearly immediately.
- Wells MW-C and MW-D continued to rise for 50 and 72 hours, respectively.

Aquifer Characteristics and Groundwater Properties

Gradients between the recharge location and the wells are presented in Table 6of Appendix B. For this analysis, the gradients seem to center around 0.02 feet per foot (ft/ft), though cross-gradient Wells MW-B and MW-C are slightly lower. The average recharge rate was calculated using totalized meter readings over the test period (Appendix B, Table 3).

<u>Specific Yield</u>

To estimate specific yield of the bulk sediments, the Water Table Fluctuation (WTF) Method (Healy and Cook 2002) was used. The WTF Method is usually used to estimate groundwater recharge by analysis of water-level fluctuations in observation wells using a known specific yield. The method assumes that a rise in water-table elevation measured in shallow wells is caused by the addition of recharge across the water table, while net system flux and evapotranspiration are zero. Some key assumptions are inherent in the WTF Method. The main assumption is that rise in water level in wells is due only to applied recharge. Other factors, such as barometric pressure changes, increases in gas pressure in the unsaturated zone, nearby pumping, and earth tides, are ignored.

In this case, well response for barometric changes was corrected in the dataset. There is little nearby pumping, and precipitation only occurred in the final eight hours of the test. Unsaturated transport phenomena were neglected in this analysis.

In this case, the recharge rate and the water level rise over time.

Recharge by the WTF Method is estimated as:

$R = Sy * Dh/Dt$

To estimate specific yield, the equation is rewritten:

$R/Dh/Dt = Sy$

where:

R (ft) = recharge rate during the recharge period (0.346 ft/day)
Sy = specific yield (dimensionless), and
Dh/Dt = the peak water level rise over the recharge period (4.05 ft in Well MW-C)

therefore

Sy is thus estimated to be 0.0855

<u>Hydraulic Conductivity</u>

To estimate hydraulic conductivity of the sediments, we will use Darcy's Law (Freeze and Cherry 1979). Darcy's Law governs the solving for hydraulic conductivity, and is written:

$K = -Q/iA$

where:

K = Hydraulic conductivity
$Q=R=$ Recharge rate (0.346 ft/day)
A = Cross-sectional area (10,000 ft^2)
i = hydraulic gradient (0.02)

therefore,

K = 1 ft/day

Determination Evaluation

Literature (for example, Heath 1983) suggests that the typical hydraulic conductivity values for silty, sandy gravel of 0.014 feet to 1.4 feet per day are reasonable bounding estimates. Similarly, literature estimates that effective porosity in the range of 0.20 are likely, given the observed estimates of silt content of the sediments. Approximately half of the effective porosity is likely instantaneously drainable or fillable and approximates specific yield. The calculated value is consistent with those values.

Volumetric Flux and Seepage

Volumetric flux estimate for the sediments is:

$J = -Ki$

where:

J = Volumetric flux (ft/day)
K = Hydraulic conductivity (ft/day) = 1 ft/day
i = hydraulic gradient (ft/ft) = 0.02

therefore,

J = 0.02 ft/day

The estimated values suggest the area soils could transmit approximately 0.02 ft/day. The distance across Taneum Canyon between Taneum Road and Taneum Creek is about 2,000 feet. Assuming a 10-foot saturated cross section, this results in an estimate of 400 cubic feet per day of aquifer flux from the site.

Alternatively, a simple permeameter analogy can also be used to estimate seepage amounts. A constant head value predicts the following:

$K = QL/Ath$

where:

K = Saturated hydraulic conductivity (ft/day) = 1 ft/day
Q = Volume of water (ft^3)

L = Length of percolation column (ft) = 10 ft

A = Cross sectional area for flow (ft^2) = 10,000 ft^2

t = Time (days) = 1

h = Head difference between water table and ground surface = 10 ft

therefore,

Solving for Q estimates roughly 10,000 ft^3/day (0.2 ac-ft/d) of possible discharge.

<u>Velocity</u>

This analysis uses two distances: the distance between Well MW-C and the Taneum Creek I-90 crossing (1,300 feet) and the distance between Well MW-C and the confluence of Taneum Creek and the Yakima River, roughly 9,000 feet.

The equation to determine average linear velocity is:

$L=(-K/p)/i$

where:

L = Average linear velocity (ft/day)

K = Hydraulic Conductivity (ft/day) = 1 ft/day

p = effective porosity (%) = 30%

I = hydraulic gradient (ft/ft) = 0.02

Effective porosity was assumed 30%, since it's the typical midpoint value for unconsolidated depots (Freeze and Cherry, 1979). The negative sign indicates movement downgradient. Average linear velocity is 167 feet per day. Thus, the travel time from Well MW-C to the Taneum Creek Bridge on I-90 = 1,300 feet/167 ft/day = 7.8 days. Travel time from Well MW-C to the Taneum Creek/Yakima River confluence = 9,000 feet/167 ft/day = 50 days.

In round terms, water discharged to the pilot test project site will arrive at the I-90 bridge in about a week. Water will arrive at the Yakima River confluence in a little under 8 weeks.

<u>Applied Recharge Water Fate</u>

Appendix B, Figures 9 through 13 illustrate the increase in the water table, or mound developed, in site wells during and after recharge began. Figures 9 and 10 of Appendix B indicate Wells MW-A and MW-B responded quickly to recharge application; the amount of water in these portions of the aquifer drained quickly and both were expected to return to pre-recharge levels in 3-4 weeks. (Appendix B, Figure 15).

Discharge from MW-D is of similar duration to MW-A and MW-B but delayed with respect to overall return. These relatively small responses are likely due to these wells being both cross-gradient from the recharge point and near the edge of the Taneum Creek water table aquifer. Well MW-C showed the highest and most rapid elevation increase of well responses. Pre-

recharge levels are anticipated to be seen after approximately seven weeks in Well MW-C. (Appendix B, Figure 16.)

6   CONCLUSIONS

Although the pilot test was short in duration and of limited scope, several conclusions can be drawn from the information collected:

- The pilot test confirmed that a significant amount of water can be discharged to the ground at the pilot test site without significant impact on current surface land use.

- The pilot test confirmed that discharge of water from the Taneum Chute to ground at the pilot test site will not impact the quality of groundwater at that site.

- The pilot test dataset indicates water applied to the surface at the site is in high continuity with the water table and causes a rise in the local water table elevation in response to recharge.

- The aquifer at the pilot test site is likely to discharge to Taneum Creek at or near the confluence with the Yakima River.

- Water discharged to the pilot test site is likely to be delayed approximately 6 to 8 weeks before discharging to the Yakima River. Thus, water discharged in early summer may assist in mitigating low flows in the Yakima River in mid to late summer.

7   RECOMMENDATIONS

Research conducted during the pilot test enhanced understanding of MAR potential at this site. The following recommendations are for reducing uncertainty and increasing understanding of MAR suitability:

1. Continue monitoring Taneum Creek to determine minimum discharge and potential source water availability.

2. Assess gaining and losing reaches on Taneum Creek to evaluate groundwater and surface water interactions at the site.

3. Obtain onsite information on porosity and permeability of aquifer materials to refine aquifer characteristics to better estimate the total recharge capacity of the unsaturated zone.

4. Assess the ability to develop an engineered discharge facility to enhance performance and minimize conflict with surface activity.

5. Consider a fixed-area lagoon or a series of subsurface drainage pipes to distribute water for MAR.

6. Continue monitoring groundwater in the project site to evaluate and refine trends in groundwater conditions. Expand the groundwater monitoring program downgradient as gaining/losing reach information guides.

8   LIMITATIONS

This study uses existing wells and short-term discharge of relatively low volumes of water to the ground at the pilot test site to evaluate hydrogeologic properties of site materials and, thus, the behavior of that water into the future. Considerable unknowns exist which could affect the stated performance assessment. This test was conducted during the dry season, which eliminated changes in groundwater conditions due to precipitation. Although the study provided characteristics of recharge dynamics during this time of the year, assessing recharge capacity while during the wet season will refine our understanding of groundwater conditions at the site.

Chief among the assumptions: porosity and permeability of aquifer host materials. While derived values are consistent with literature values for materials like these, they are derived mathematically. Hydraulic conductivity values can easily vary over +/- 2 orders of magnitude on a local basis. Effective porosity and specific yield values can vary over 10's of units. Understanding both of these values is critical to assessing the amount of water that can be stored in the project, and the location and rate at which it is released to flow to the discharge site.

Gas pressure in unsaturated zone porous media can have a limiting effect on the amount of recharge that can be applied, and on the speed in which it migrates through the saturated/unsaturated zone boundary. Unsaturated zone properties in site soils are unknown.

Similarly, the location and volume of gaining/losing reaches along Taneum Creek between the project site and the Yakima River are unknown. It is critical to understand the fate of recharged water and ensuring the benefits of that discharge to the system are in fact all beneficial, and not in conflict with current or proposed land use activities. Understanding these elements also promotes confidence in and efficiency of performance monitoring systems for operation of the facility.

Lastly, this study uses relatively widely spaced monitoring points to evaluate site conditions analytically. More monitoring points would increase the confidence in those conditions and may permit numerical assessment of flow conditions.

9   REFERENCES

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APPENDIX A

PILOT TEST INFORMATION

APPENDIX A

PILOT TEST INFORMATION

Figure 1. Pump and discharge point configuration.

Figure 2. Spreading ditch enhancement

Figure 3. Typical Field Flooding Conditions
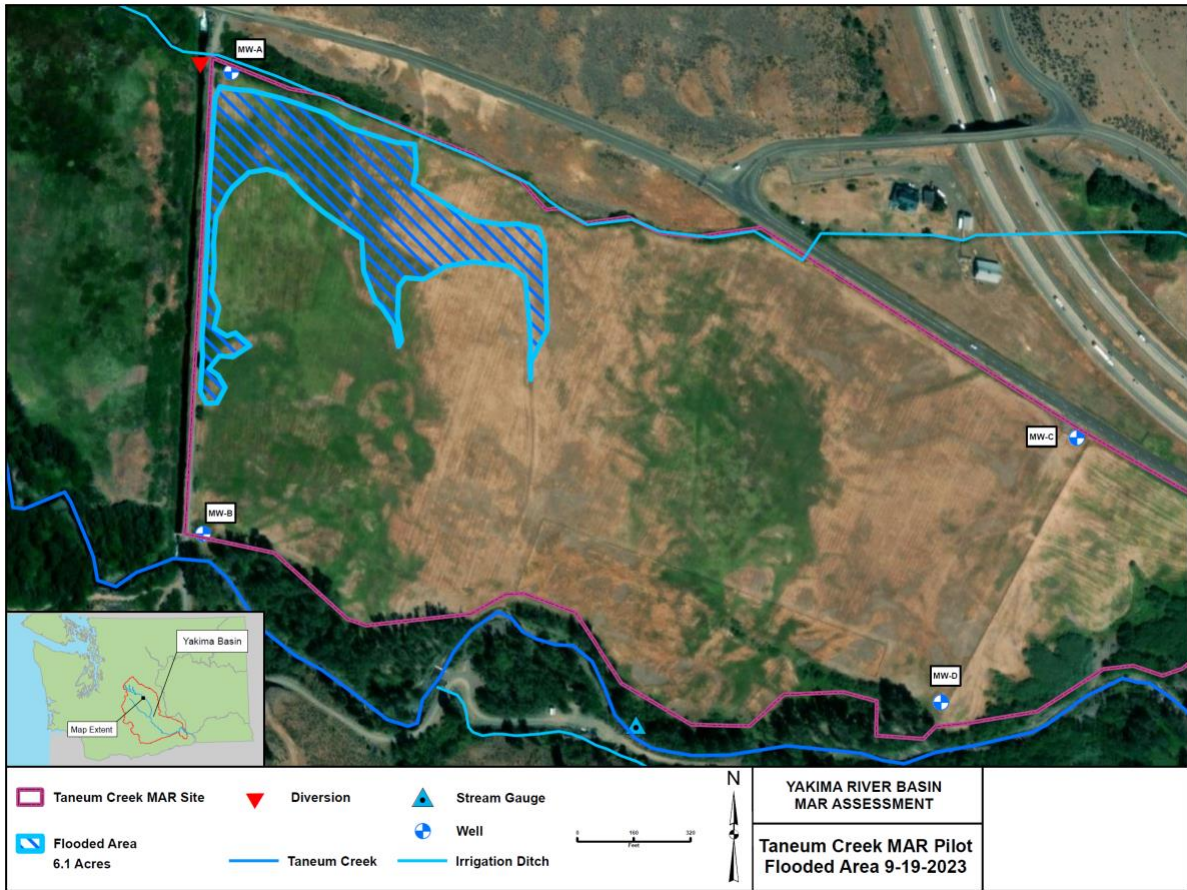
Figure 4. Extent of standing water during application 9-19-2023
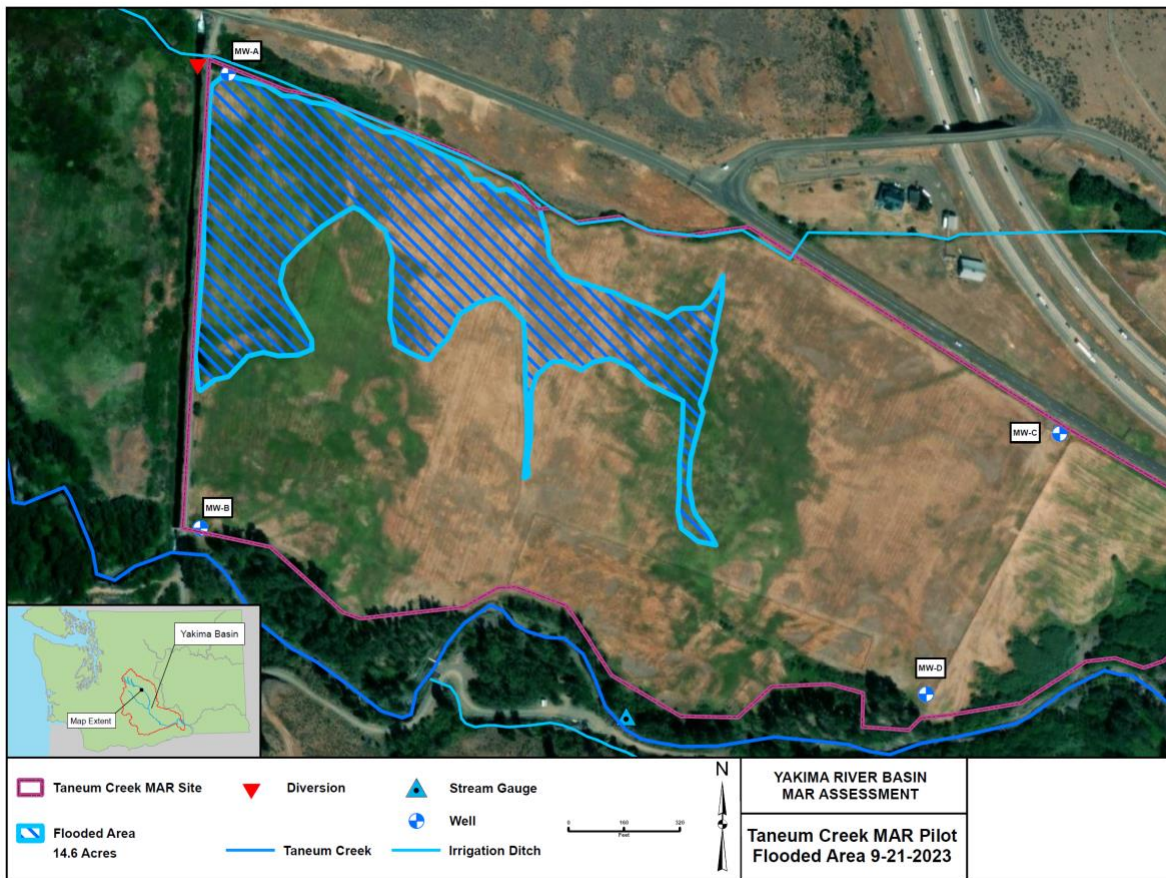
Figure 5. Extent of standing water during application 9-21-2023
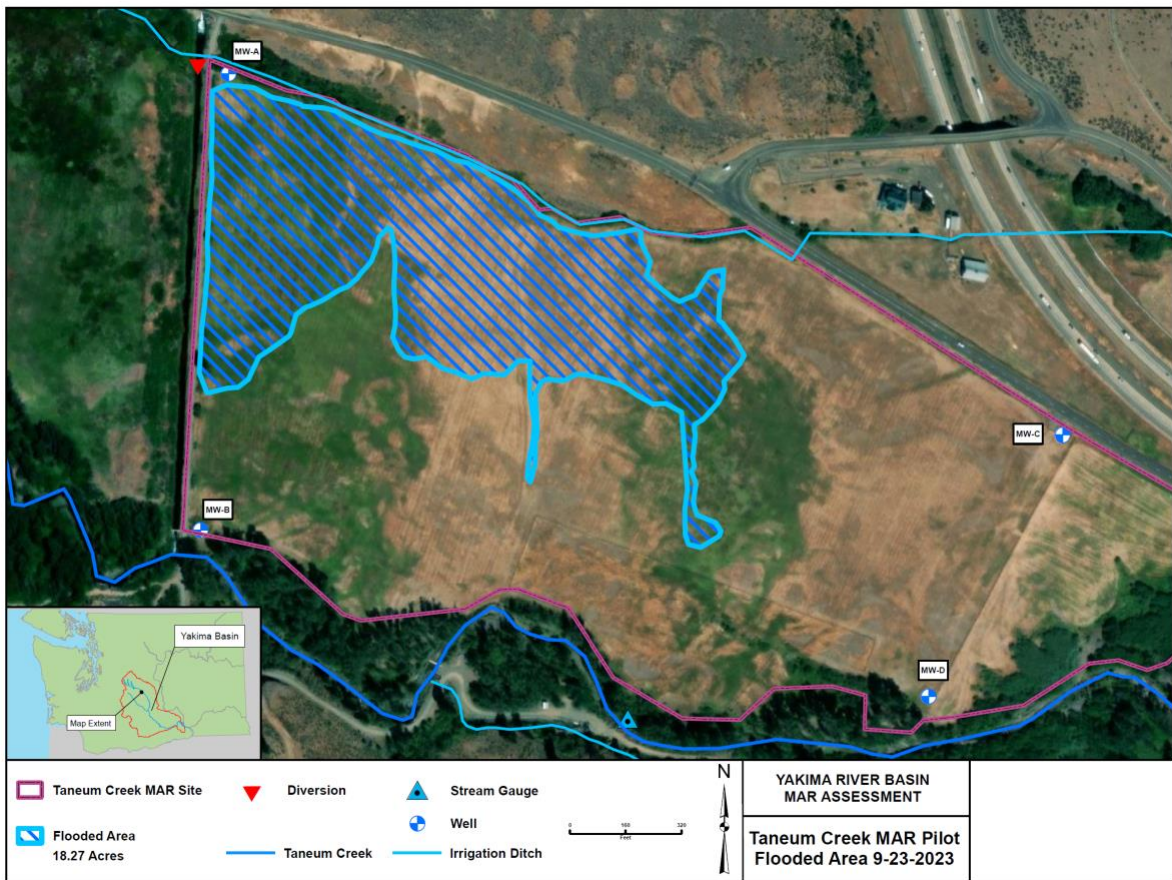
Figure 6. Extent of standing water during application 9-23-2023

Thermal Map of site during test, 9/22/2023
Kittitas Couinty Conservation District

0   0.25   0.5 m

Gregory Geologic LLC
Spokane WA
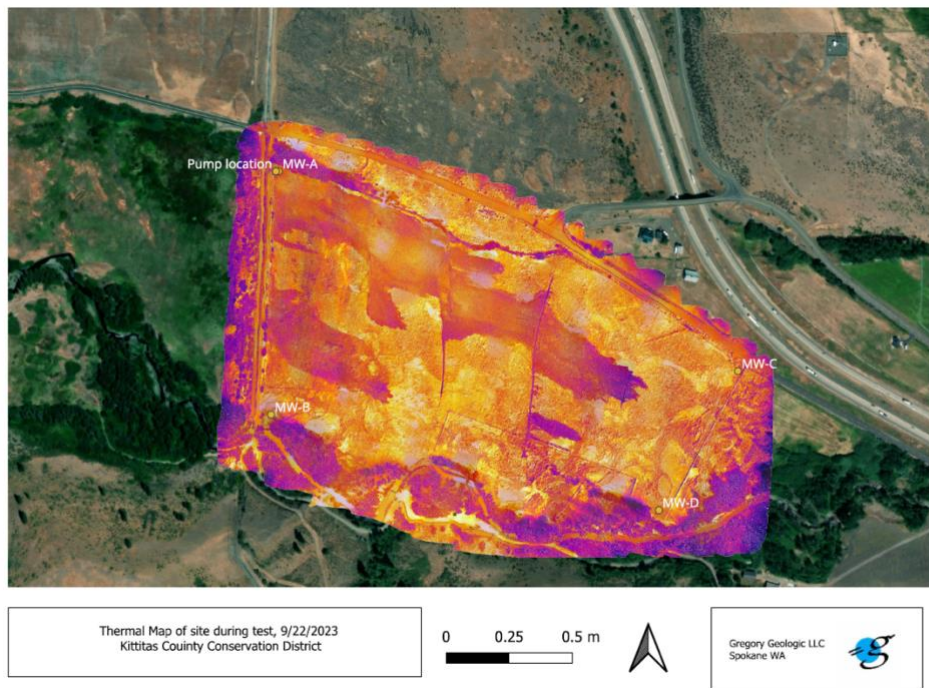
7.During test thermal imagery, 9/23/2023, Kittitas County Conservation District: Flooding conditions in red

Thermal Map of site post test 9/28/2023
Kittitas Couinty Conservation District

0   0.25   0.5 m

Gregory Geologic LLC
Spokane WA
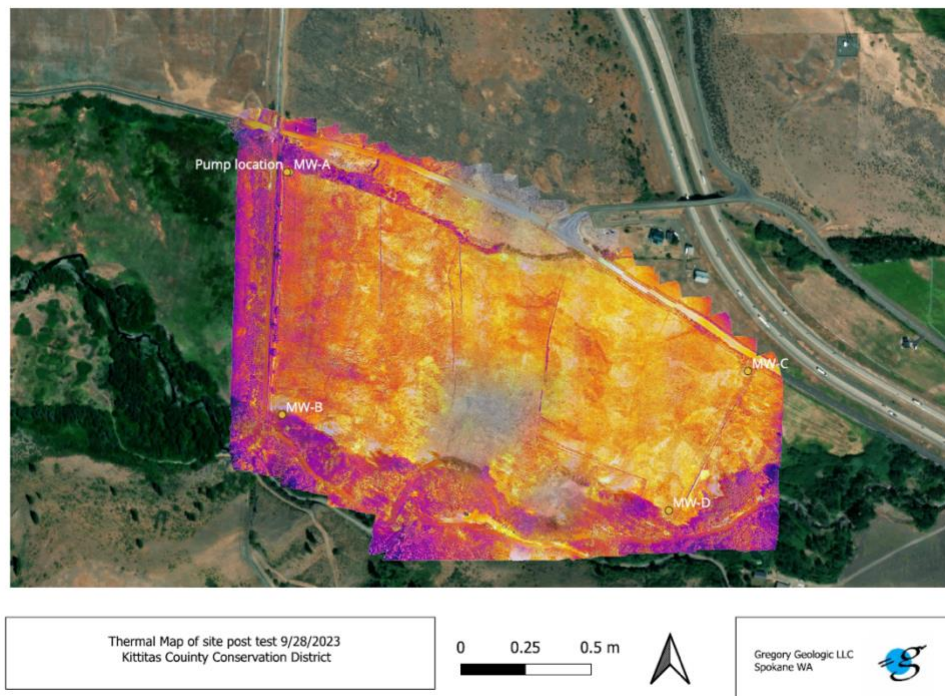
Figure 8. Post-test thermal imagery, 9/28/2023 Kittitas County Conservation District
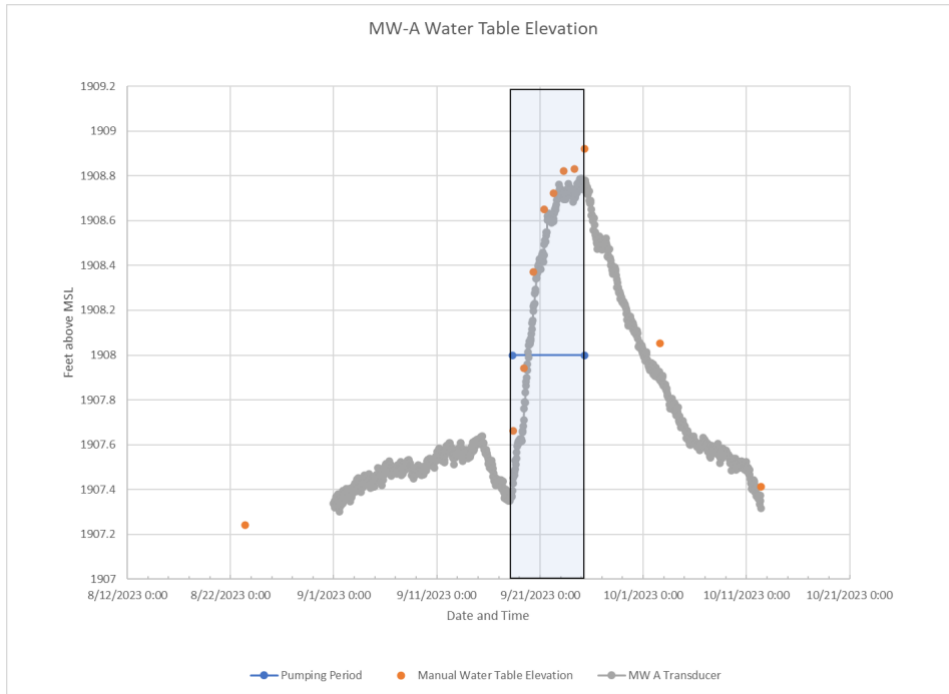
Figure 9. Well MW-A Water Table Elevations during Pilot Test period
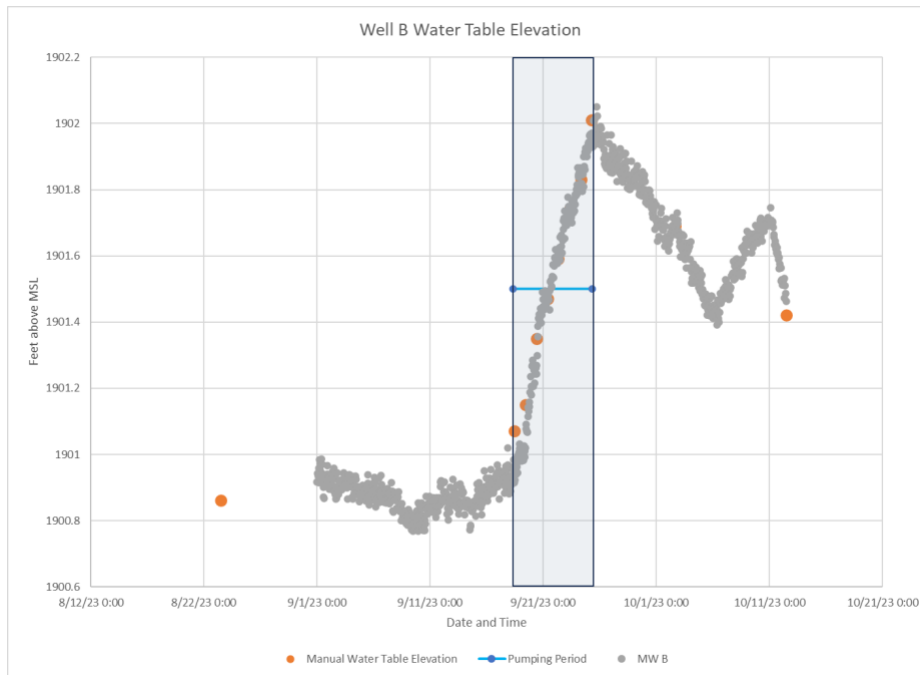
Figure 10. Well MW-B Water Table Elevations during the Pilot Test period
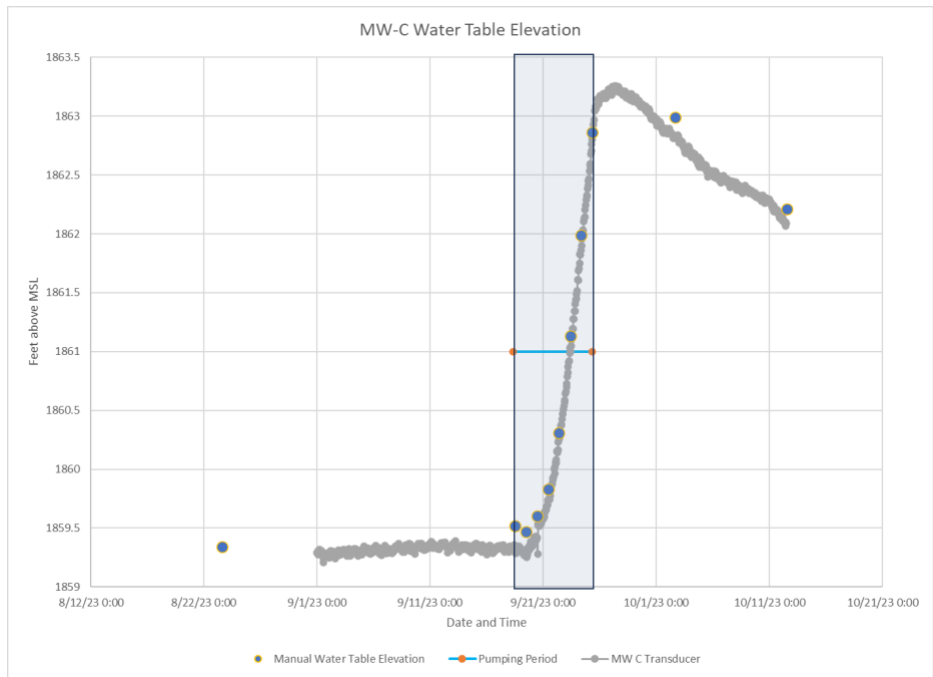
Figure 11. Well MW-C Water Table Elevations during Pilot Test period
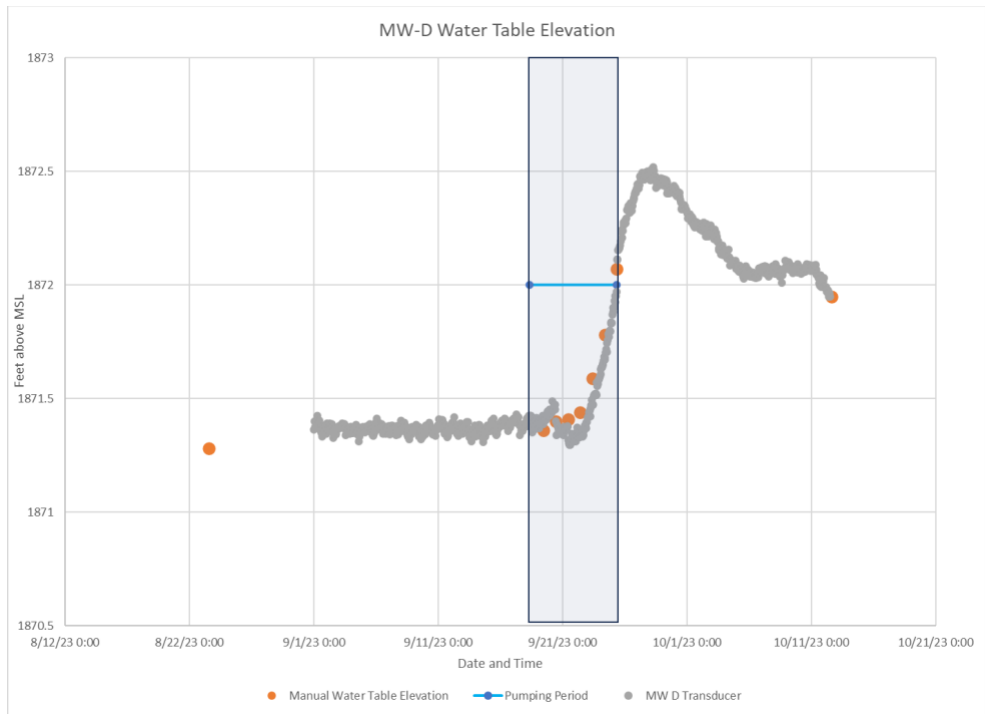
Figure 12. Well MW-D Water Table Elevations during Pilot Test period
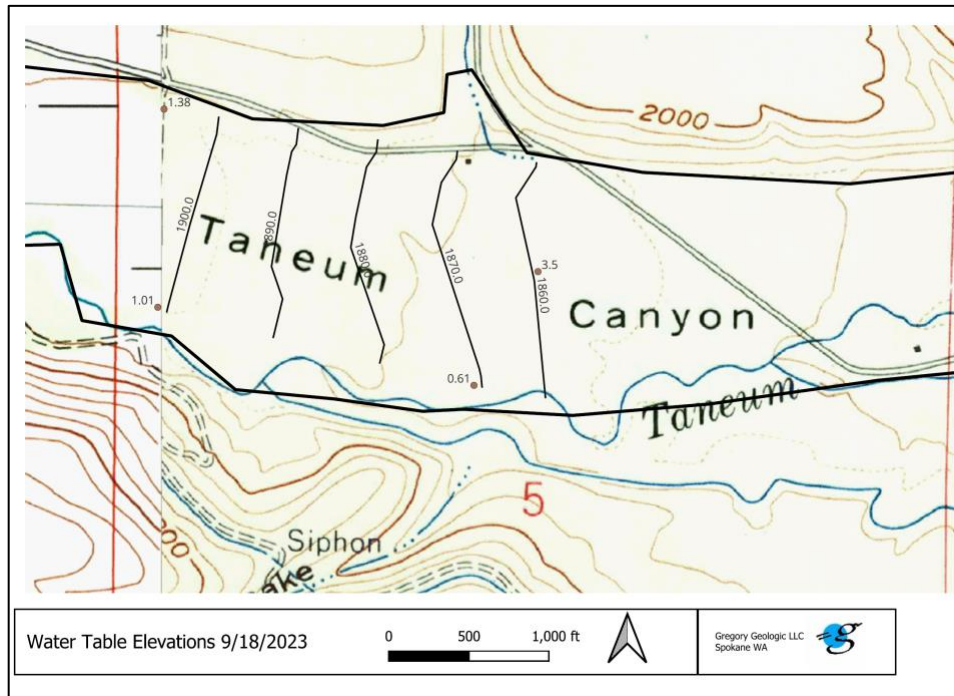
Figure 13. Pre-test water table elevation, 9/18/2023
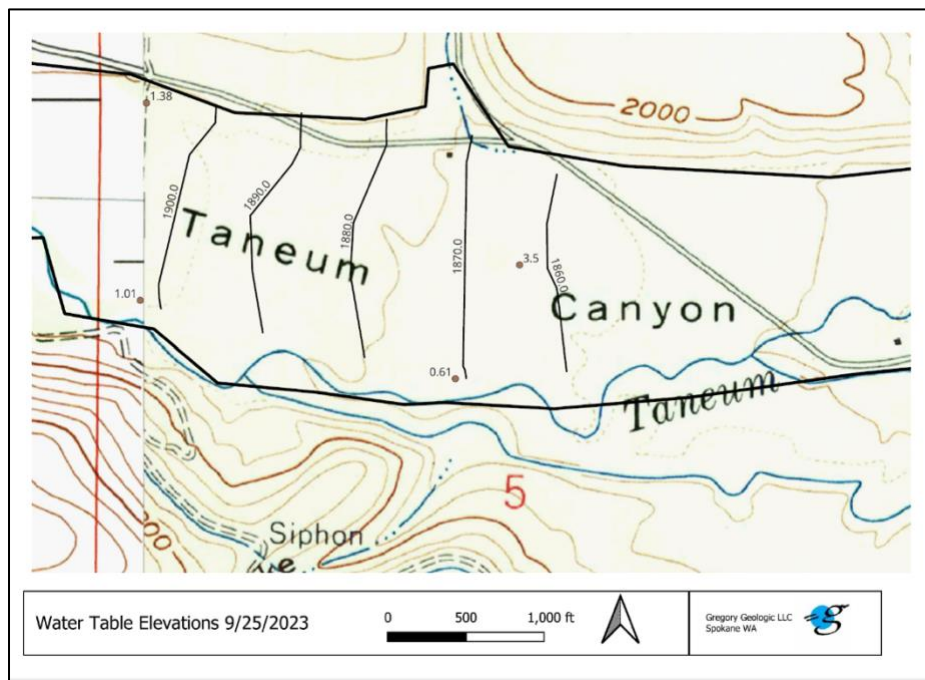
Figure 14. Post-test water table elevation, 9/25/2023
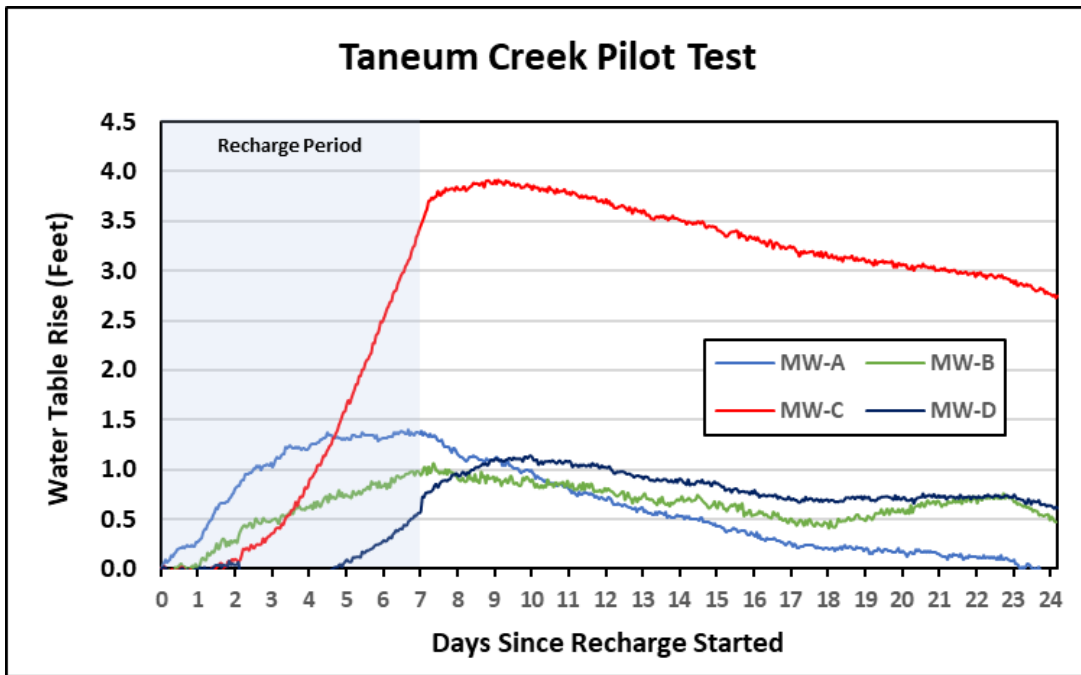
Figure 15. Water table response over the pilot test period
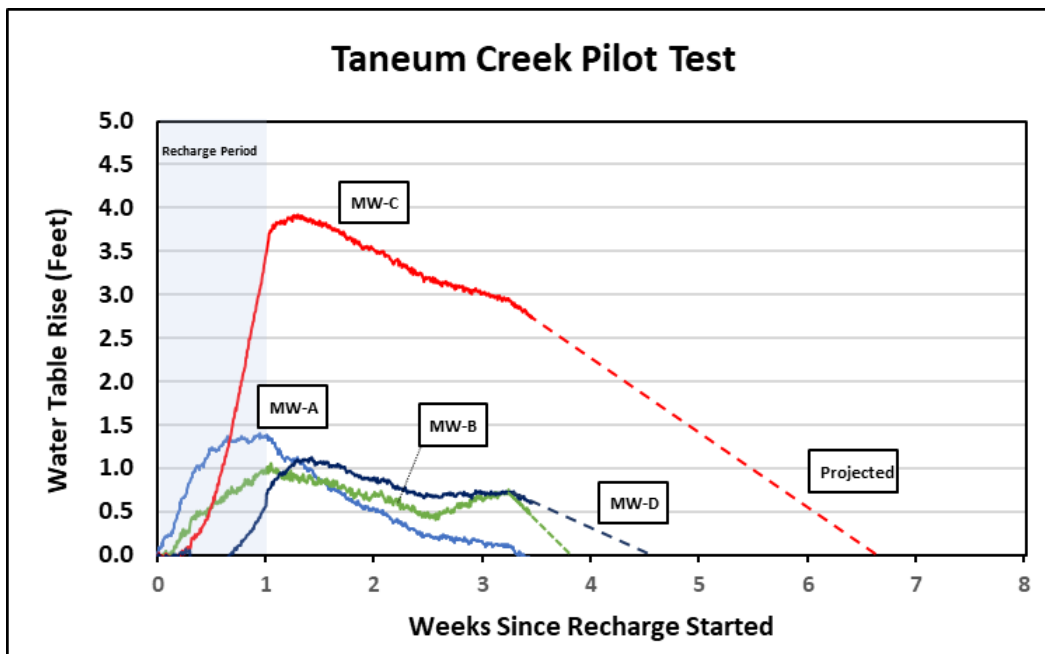
Figure 16. Projected time to mound dispersion and return to undisturbed state

Well	Date and Time	Water Table Elevation
A	8/23/23 11:18	1907.24
A	9/18/23 11:06	1900.86
A	9/19/23 11:00	1859.34
A	9/20/23 8:56	1871.28
A	9/21/23 9:54	1907.66
A	9/22/23 8:17	1901.07
A	9/23/23 8:20	1859.52
A	9/24/23 8:17	1871.39
A	9/25/23 7:38	1907.94
A	10/2/2023 16:20	1901.15
B	8/23/23 12:30	1859.47
B	9/18/23 11:12	1871.36
B	9/19/23 10:47	1908.37
B	9/20/23 10:56	1901.35
B	9/21/23 10:10	1859.6
B	9/22/23 8:27	1871.4
B	9/23/23 9:15	1908.65
B	9/24/23 8:28	1901.47
B	9/25/23 7:28	1859.83
B	10/2/2023 16:10	1871.41
C	8/23/23 14:17	1908.72
C	9/18/23 12:22	1901.59
C	9/19/23 11:09	1860.31
C	9/20/23 11:30	1871.44
C	9/21/23 10:27	1908.82
C	9/22/23 8:42	1901.74
C	9/23/23 9:50	1861.13
C	9/24/23 8:42	1871.59
C	9/25/23 8:22	1908.83
C	10/2/2023 16:25	1901.83
D	8/23/23 13:44	1861.99
D	9/18/23 12:28	1871.78
D	9/19/23 11:15	1908.92
D	9/20/23 10:59	1902.01

D	9/21/23 10:34	1862.86
D	9/22/23 8:48	1872.07
D	9/23/23 9:56	1908.05
D	9/24/23 8:49	1901.69
D	9/25/23 8:15	1862.99
D	10/2/2023	N/A

Table 1. Manual Water Level Measurements

Pump	Day and Time	Reading (af x 0.001)	Meter Number
A	9/18/23 8:00	164.954	94 3043 8
A	9/18/23 10:19	164.954	
A	9/19/23 8:36	168.832	
A	9/20/23 8:20	172.71	
A	9/21/23 8:28	176.62	
A	9/22/23 8:07	180.468	
A	9/23/23 8:23	184.202	
A	9/24/23 8:19	187.91	
A	9/25/23 8:00	191.822	
B	9/18/23 8:00		
B	9/18/23 10:26	298.127	15-03251-12
B	9/19/23 8:36	301.067	
B	9/20/23 8:20	304.63	
B	9/20/23 14:29	306.395	
B	9/21/23 8:28	308.43	
B	9/21/23 13:02	309.804	
B	9/22/23 8:07	311.959	
B	9/22/23 13:36	313.574	
B	9/23/23 8:23	315.668	
B	9/23/23 13:19	317.104	
B	9/24/23 8:19	319.411	
B	9/24/23 13:02	320.862	
B	9/25/23 8:00	322.97	

Table 2. Daily water application pump meter readings

Pump	Elapsed time pumping (days)	Gallons pumped	Minutes	Average (gallons per minute)	Average (cfs)
A	7.0000	8754975.42	5040	1737.10	3.87
B	7.0000	8322570.61	5040	1651.30	3.82

Table 3. Water Application metering totals

Source	Date	pH	Specific Conductance (ms/cm)	Turbidity (NTU)	DO (mg/l)	Temperature (degrees C)	Salinity (ppt)	ORP (mv)
MW-A	8/23/2023	6.73	0.41	4.98	6.95	12	0.2	249
MW-B	8/23/2023	7.97	0.218	3.72	3.82	13.2	0.1	-95.7
MW-C	8/23/2023	7.08	0.267	2.05	4.1	13.7	0.13	67.5
MW-D	8/23/2023	7.72	0.257	7.85	3.87	12.8	0.12	-69.1
MW-A	9/20/2023	6.33	0.243	9.11	0.3	13	0.13	58.3
MW-B	9/20/2023	7.13	0.195	4.18	3.58	14	0.1	78.8
MW-C	9/20/2023	6.68	0.239	2.24	1.48	12.8	0.12	92
MW-D	9/20/2023	7.08	0.229	6.2	0.53	11.5	0.12	71.5
MW-A	10/12/2023	6.77	0.694	5.75	5.43	11	0.34	67
MW-B	10/12/2023	7.59	0.531	4.55	0.37	11.2	0.26	-172.7
MW-C	10/12/2023	6.93	0.588	2.54	1.14	12.2	0.29	35.6
MW-D	10/12/2023	7.49	0.569	3.78	0.34	10.18	0.28	-141.3

Table 4. Field Parameters obtained during water quality sampling

Date	Source	Fecal Coliform (cfu/100ml)	E.Coli (cfu/100ml)	TSS (mg/l)	Nitrate (mg/l)	Zn (tot) (mg/l)	Zn (diss) (mg/l)	As (tot) (mg/l)	As (diss) (mg/l)	Cd (tot) (mg/l)	Cd (diss) (mg/l)	Cr (tot) (mg/l)	Cr (diss) (mg/l)	Pb (tot) (mg/l)	Pb (diss) (mg/l)
8/23/2023	MW-A	<1	<1	4	3.31	0.017	0.019	0.0007	0.0006	0.0001	0.0001	0.0002	0.0001	0.0001	0.0001
	MW-A (Dup)	<1	<1	3	3.39	0.018	0.032	0.0007	0.0006	0.0001	0.0001	0.0002	0.0001	0.0001	0.0001
	MW-B	<1	<1	5	0.23	0.013	0.02	0.001	0.001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	MW-C	<1	<1	3	0.47	0.011	0.016	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	MW-D	<1	<1	4	0.005	0.019	0.016	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	SW	7.2	<1	5	0.001	0.016	0.012	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
9/20/2023	MW-A	4	<1	6	4.8	0.137	0.06	0.001	0.001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	MW-A (Dup)	<1	<1	4	0.215	0.067	NR	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.011
	MW-B	<1	<1	2	0.327	0.095	0.066	0.001	0.001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	MW-C	<1	<1	3	0.67	0.018	0.095	0.0005	0.0005	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	MW-D	<1	<1	2	0.253	0.021	0.092	0.002	0.002	0.0001	0.0001	0.002	0.002	0.0001	0.0001
	SW	9	<1	2	0.254	0.078	NR	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.021
10/12/2023	MW-A	<1	<1	3	3.23	0.009	0.031	0.0005	0.0005	0.0001	0.0001	0.0005	0.0005	0.002	0.001
	MW-A (Dup)	<1	<1	2	3.45	0.018	0.014	0.0005	0.0005	0.0001	0.0001	0.0005	0.0005	0.0001	0.001
	MW-B	<1	<1	3	ND	0.008	0.009	0.0008	0.0008	0.0002	0.0001	0.0001	0.0001	0.004	0.0001
	MW-C	<1	<1	4	0.54	0.013	0.014	0.0001	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.006
	MW-D	<1	<1	5	ND	0.016	0.016	0.0005	0.0001	0.0001	0.0001	0.0001	0.0001	0.0007	0.0007
	SW	<1	<1	2	ND	0.016	0.014	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0003	0.001

Notes: cfu=Colony Forming Units, tot=Total, diss=Dissolved, mg/l=Milligrams per liter, Dup=Duplicate, NR=Not Reported, ND=Compound analyzed but not reported >or= MRL

Table 5. Laboratory Results

Well	initial head (ho) 9/18/23@ 0800	max recharge head (h1)	h1-ho	Distance from A	max gradient pump to well	initial gradient pump to well
A	1907.39	1908.79	1.40	15	0.268	0.36
B	1900.955	1902.05	1.095	1265	0.009	0.01
C	1859.336	1863.258	3.922	2600	0.019	0.02
D	1871.407	1872.518	1.111	2647	0.015	0.02

Table 6. Water table gradients between wells

Date and Time (UTC)	Longitude	Latitude	GPS Elevation (m)
2023/09/19 16:13:10+00	-120.74994	47.086798	562.626
2023/09/19 16:13:11+00	-120.74994	47.086798	567.655
2023/09/19 16:13:14+00	-120.74994	47.086798	566.981
2023/09/19 16:13:35+00	-120.74994	47.086798	567.525
2023/09/19 16:13:37+00	-120.74994	47.086798	565.906
2023/09/19 16:13:38+00	-120.74994	47.086798	561.636
2023/09/19 16:13:39+00	-120.74994	47.086798	561.636
2023/09/19 16:13:40+00	-120.74994	47.086798	572.902
2023/09/19 16:13:41+00	-120.74994	47.086798	572.902
2023/09/19 16:13:42+00	-120.74994	47.086798	567.515

Date and Time (UTC)	Longitude	Latitude	GPS Elevation (m)
2023/09/19 16:13:53+00	-120.74946	47.086448	567.401
2023/09/19 16:13:58+00	-120.74886	47.086572	566.635
2023/09/19 16:14:05+00	-120.74890	47.086545	567.602
2023/09/19 16:14:32+00	-120.74901	47.086621	568.566
2023/09/19 16:15:54+00	-120.74946	47.086834	565.871
2023/09/19 16:16:44+00	-120.74974	47.086809	565.742
2023/09/19 16:18:08+00	-120.74987	47.086807	566.413
2023/09/19 16:18:10+00	-120.74987	47.086807	564.677
2023/09/19 16:18:15+00	-120.74988	47.08681	566.228
2023/09/19 16:18:47+00	-120.74992	47.086799	566.495
2023/09/19 16:19:24+00	-120.74999	47.086794	562.891
2023/09/19 16:19:26+00	-120.74999	47.086794	557.916
2023/09/19 16:19:28+00	-120.74999	47.086795	553.04
2023/09/19 16:19:30+00	-120.74999	47.086795	547.824
2023/09/19 16:19:32+00	-120.74999	47.086795	544.775
2023/09/19 16:19:34+00	-120.74999	47.086795	540.853
2023/09/19 16:19:36+00	-120.75000	47.086796	536.932
2023/09/19 16:19:38+00	-120.74997	47.086806	533.793
2023/09/19 16:19:41+00	-120.75004	47.086783	528.998
2023/09/19 16:19:43+00	-120.75005	47.08677	525.803
2023/09/19 16:19:44+00	-120.75005	47.08677	525.525
2023/09/19 16:19:47+00	-120.75006	47.086773	522.29
2023/09/19 16:19:50+00	-120.75005	47.086774	519.071
2023/09/19 16:19:54+00	-120.75005	47.086775	515.348
2023/09/19 16:19:58+00	-120.75005	47.08678	512.25
2023/09/19 16:20:04+00	-120.75005	47.086788	508.764
2023/09/19 16:20:45+00	-120.75006	47.086795	506.874
2023/09/19 16:21:06+00	-120.75004	47.086562	504.342
2023/09/19 16:21:19+00	-120.75010	47.086407	503.124
2023/09/19 16:21:35+00	-120.75008	47.086301	502.541
2023/09/19 16:21:47+00	-120.75009	47.086173	503.494
2023/09/19 16:21:59+00	-120.74999	47.086127	503.568
2023/09/19 16:22:11+00	-120.75002	47.086051	502.975
2023/09/19 16:22:22+00	-120.75001	47.08604	504.153
2023/09/19 16:22:30+00	-120.75001	47.086032	503.975
2023/09/19 16:22:45+00	-120.75002	47.086026	504.473
2023/09/19 16:23:09+00	-120.75002	47.086027	506.029
2023/09/19 16:23:11+00	-120.75002	47.086027	506.029
2023/09/19 16:23:35+00	-120.74985	47.086007	505.792

Date and Time (UTC)	Longitude	Latitude	GPS Elevation (m)
2023/09/19 16:23:50+00	-120.74968	47.085999	505.934
2023/09/19 16:24:16+00	-120.74934	47.085943	507.018
2023/09/19 16:24:35+00	-120.74910	47.085889	507.225
2023/09/19 16:24:55+00	-120.74881	47.085819	507.215
2023/09/19 16:25:19+00	-120.74857	47.085717	507.516
2023/09/19 16:25:40+00	-120.74829	47.085656	507.736
2023/09/19 16:26:06+00	-120.74800	47.085596	509.346
2023/09/19 16:26:42+00	-120.74798	47.0856	510.345
2023/09/19 16:27:27+00	-120.74782	47.085587	511.334
2023/09/19 16:27:47+00	-120.74780	47.085443	511.942
2023/09/19 16:28:07+00	-120.74780	47.085397	512.694
2023/09/19 16:28:35+00	-120.74784	47.08528	514.395
2023/09/19 16:28:56+00	-120.74765	47.085205	513.978
2023/09/19 16:29:27+00	-120.74733	47.085071	515.862
2023/09/19 16:29:50+00	-120.74714	47.085003	516.106
2023/09/19 16:30:15+00	-120.74686	47.084972	516.211
2023/09/19 16:30:34+00	-120.74663	47.084975	516.567
2023/09/19 16:30:58+00	-120.74642	47.084941	517.715
2023/09/19 16:31:20+00	-120.74634	47.084809	517.293
2023/09/19 16:31:41+00	-120.74634	47.084593	518.055
2023/09/19 16:32:07+00	-120.74632	47.084341	518.641
2023/09/19 16:32:27+00	-120.74631	47.084155	519.503
2023/09/19 16:32:47+00	-120.74641	47.084036	519.785
2023/09/19 16:33:08+00	-120.74649	47.083912	521.32
2023/09/19 16:33:31+00	-120.74650	47.083775	521.938
2023/09/19 16:33:49+00	-120.74651	47.083921	522.676
2023/09/19 16:34:00+00	-120.74650	47.084032	522.998
2023/09/19 16:34:18+00	-120.74651	47.084204	524.443
2023/09/19 16:34:35+00	-120.74653	47.084322	524.291
2023/09/19 16:35:00+00	-120.74656	47.084529	524.743
2023/09/19 16:35:06+00	-120.74659	47.084573	526.131
2023/09/19 16:35:27+00	-120.74674	47.084648	526.237
2023/09/19 16:35:51+00	-120.74695	47.084668	526.546
2023/09/19 16:36:15+00	-120.74716	47.084681	527.943
2023/09/19 16:36:40+00	-120.74747	47.084645	528.338
2023/09/19 16:37:06+00	-120.74771	47.084546	529.588
2023/09/19 16:37:29+00	-120.74792	47.084556	529.825
2023/09/19 16:37:44+00	-120.74799	47.084488	531.081
2023/09/19 16:38:12+00	-120.74801	47.084257	531.871

Date and Time (UTC)	Longitude	Latitude	GPS Elevation (m)
2023/09/19 16:38:37+00	-120.74796	47.084075	532.406
2023/09/19 16:38:54+00	-120.74799	47.084026	533.118
2023/09/19 16:39:11+00	-120.74805	47.084189	533.947
2023/09/19 16:39:33+00	-120.74819	47.084331	534.363
2023/09/19 16:39:40+00	-120.74825	47.084373	534.581
2023/09/19 16:40:03+00	-120.74838	47.084594	534.895
2023/09/19 16:40:05+00	-120.74839	47.084611	535.148
2023/09/19 16:40:28+00	-120.74841	47.084855	536.286
2023/09/19 16:40:48+00	-120.74859	47.084942	535.905
2023/09/19 16:41:18+00	-120.74885	47.085063	537.23
2023/09/19 16:41:42+00	-120.74907	47.085189	538.944
2023/09/19 16:42:06+00	-120.74928	47.085342	539.043
2023/09/19 16:42:26+00	-120.74949	47.085391	540.001
2023/09/19 16:42:47+00	-120.74969	47.085366	540.359
2023/09/19 16:43:07+00	-120.74988	47.08525	541.486
2023/09/19 16:43:13+00	-120.74993	47.085201	541.2
2023/09/19 16:43:35+00	-120.75006	47.08503	541.974
2023/09/19 16:43:56+00	-120.75009	47.084832	542.081
2023/09/19 16:43:57+00	-120.75009	47.084822	542.102
2023/09/19 16:44:17+00	-120.75008	47.084651	542.363
2023/09/19 16:44:41+00	-120.75011	47.084452	542.647
2023/09/19 16:45:01+00	-120.75003	47.084325	542.4
2023/09/19 16:45:21+00	-120.75008	47.084163	542.688
2023/09/19 16:45:39+00	-120.74993	47.084103	542.351
2023/09/19 16:45:49+00	-120.74984	47.084127	543.292
2023/09/19 16:46:11+00	-120.74967	47.084029	542.812
2023/09/19 16:46:31+00	-120.74987	47.083943	542.957
2023/09/19 16:46:49+00	-120.75002	47.083948	544.236
2023/09/19 16:47:08+00	-120.75014	47.083849	544.705
2023/09/19 16:47:31+00	-120.75003	47.083798	544.722
2023/09/19 16:47:51+00	-120.74995	47.083705	544.425
2023/09/19 16:48:10+00	-120.75004	47.083586	544.623
2023/09/19 16:48:25+00	-120.75017	47.083582	545.429
2023/09/19 16:48:34+00	-120.75023	47.083674	547.93
2023/09/19 16:48:57+00	-120.75021	47.08394	546.81
2023/09/19 16:49:13+00	-120.75022	47.084086	548.103
2023/09/19 16:49:36+00	-120.75019	47.084298	549.543
2023/09/19 16:50:01+00	-120.75017	47.084551	551.143
2023/09/19 16:50:07+00	-120.75017	47.08461	549.617

Date and Time (UTC)	Longitude	Latitude	GPS Elevation (m)
2023/09/19 16:50:12+00	-120.75018	47.084654	550.932
2023/09/19 16:50:21+00	-120.75016	47.084751	551.775
2023/09/19 16:50:44+00	-120.75015	47.084975	551.024
2023/09/19 16:51:07+00	-120.75014	47.085202	550.727
2023/09/19 16:51:10+00	-120.75014	47.085229	551.957
2023/09/19 16:51:35+00	-120.75012	47.085483	551.908
2023/09/19 16:51:57+00	-120.75010	47.0857	551.872
2023/09/19 16:52:21+00	-120.75008	47.08594	553.241
2023/09/19 16:52:42+00	-120.75005	47.086078	554.003
2023/09/19 16:53:06+00	-120.75001	47.086108	554.002
2023/09/19 16:53:14+00	-120.75001	47.086107	554.362

Table 7. 09/19/2023 Saturated Perimeter GPS track coordinates

Date and Time (UTC)	Longitude	Latitude	GPS Elevation (m)
2023/09/21 15:34:52+00	-120.75006	47.086064	547.607
2023/09/21 15:34:53+00	-120.75006	47.086064	547.607
2023/09/21 15:34:54+00	-120.75006	47.086064	546.936
2023/09/21 15:35:08+00	-120.75008	47.086044	547.691
2023/09/21 15:35:09+00	-120.75008	47.086044	548.113
2023/09/21 15:35:14+00	-120.75008	47.086037	548.27
2023/09/21 15:35:30+00	-120.75011	47.085864	546.821
2023/09/21 15:35:50+00	-120.75012	47.085656	547.324
2023/09/21 15:36:15+00	-120.75014	47.085393	548.208
2023/09/21 15:36:41+00	-120.75016	47.085095	548.754
2023/09/21 15:37:02+00	-120.75017	47.084862	547.958
2023/09/21 15:37:21+00	-120.75017	47.084678	547.804
2023/09/21 15:37:44+00	-120.75021	47.084413	547.909
2023/09/21 15:38:07+00	-120.75023	47.084175	548.299
2023/09/21 15:38:31+00	-120.75026	47.08393	547.828
2023/09/21 15:38:57+00	-120.75022	47.083666	548.429
2023/09/21 15:39:00+00	-120.75020	47.083653	548.249
2023/09/21 15:39:19+00	-120.75004	47.083739	548.203
2023/09/21 15:39:37+00	-120.74988	47.083764	548.357
2023/09/21 15:40:00+00	-120.74971	47.083888	548.212
2023/09/21 15:40:07+00	-120.74966	47.083925	548.155
2023/09/21 15:40:27+00	-120.74948	47.083955	547.546

Date and Time (UTC)	Longitude	Latitude	GPS Elevation (m)
2023/09/21 15:40:44+00	-120.74931	47.083929	547.888
2023/09/21 15:41:05+00	-120.74908	47.083936	547.889
2023/09/21 15:41:23+00	-120.74892	47.083981	548.653
2023/09/21 15:41:32+00	-120.74892	47.084056	548.835
2023/09/21 15:41:59+00	-120.74909	47.084244	549.433
2023/09/21 15:42:21+00	-120.74921	47.084373	550.528
2023/09/21 15:42:43+00	-120.74929	47.084511	550.926
2023/09/21 15:43:03+00	-120.74924	47.084652	551.741
2023/09/21 15:43:23+00	-120.74907	47.084782	551.882
2023/09/21 15:43:50+00	-120.74881	47.084943	552.316
2023/09/21 15:44:08+00	-120.74866	47.085009	551.552
2023/09/21 15:44:30+00	-120.74845	47.085096	551.793
2023/09/21 15:44:46+00	-120.74836	47.08507	551.376
2023/09/21 15:45:09+00	-120.74817	47.084957	551.581
2023/09/21 15:45:24+00	-120.74809	47.084919	551.589
2023/09/21 15:45:38+00	-120.74806	47.084819	551.596
2023/09/21 15:45:41+00	-120.74803	47.084794	551.882
2023/09/21 15:45:56+00	-120.74799	47.084694	552.081
2023/09/21 15:46:10+00	-120.74801	47.084598	552.355
2023/09/21 15:46:26+00	-120.74800	47.084518	552.487
2023/09/21 15:46:43+00	-120.74801	47.084397	552.524
2023/09/21 15:46:45+00	-120.74802	47.084384	552.474
2023/09/21 15:47:04+00	-120.74803	47.084217	552.734
2023/09/21 15:47:22+00	-120.74799	47.084121	552.848
2023/09/21 15:48:42+00	-120.74796	47.084022	553.366
2023/09/21 15:49:01+00	-120.74783	47.083966	553.318
2023/09/21 15:49:19+00	-120.74766	47.083912	553.553
2023/09/21 15:49:36+00	-120.74757	47.083902	553.508
2023/09/21 15:49:54+00	-120.74751	47.083968	554.356
2023/09/21 15:50:14+00	-120.74736	47.084073	553.683
2023/09/21 15:50:38+00	-120.74723	47.084257	553.575
2023/09/21 15:51:00+00	-120.74700	47.084354	553.488
2023/09/21 15:51:19+00	-120.74680	47.084391	553.637
2023/09/21 15:51:26+00	-120.74671	47.084369	553.489
2023/09/21 15:51:52+00	-120.74649	47.084208	552.823
2023/09/21 15:52:15+00	-120.74647	47.084021	553.435
2023/09/21 15:52:38+00	-120.74647	47.083829	554.86
2023/09/21 15:52:58+00	-120.74646	47.083665	554.642
2023/09/21 15:53:22+00	-120.74645	47.083472	555.251

Date and Time (UTC)	Longitude	Latitude	GPS Elevation (m)
2023/09/21 15:53:44+00	-120.74645	47.083282	554.696
2023/09/21 15:53:54+00	-120.74646	47.083186	554.797
2023/09/21 15:54:19+00	-120.74648	47.082976	554.782
2023/09/21 15:54:26+00	-120.74644	47.08299	555.031
2023/09/21 15:54:30+00	-120.74643	47.083029	555.008
2023/09/21 15:54:49+00	-120.74645	47.083096	554.811
2023/09/21 15:55:12+00	-120.74640	47.083303	554.792
2023/09/21 15:55:29+00	-120.74640	47.083477	554.85
2023/09/21 15:55:50+00	-120.74640	47.083654	554.567
2023/09/21 15:56:07+00	-120.74633	47.083787	554.466
2023/09/21 15:56:28+00	-120.74616	47.083889	554.636
2023/09/21 15:56:47+00	-120.74621	47.084014	555.016
2023/09/21 15:57:05+00	-120.74628	47.084082	555.582
2023/09/21 15:57:49+00	-120.74622	47.084045	555.636
2023/09/21 15:58:11+00	-120.74604	47.083892	555.291
2023/09/21 15:58:32+00	-120.74583	47.083825	555.375
2023/09/21 15:58:48+00	-120.74568	47.083887	555.681
2023/09/21 15:59:06+00	-120.74548	47.083915	555.454
2023/09/21 15:59:30+00	-120.74526	47.083851	555.187
2023/09/21 15:59:50+00	-120.74506	47.083724	555.549
2023/09/21 16:00:11+00	-120.74481	47.083637	554.888
2023/09/21 16:00:29+00	-120.74465	47.083587	554.867
2023/09/21 16:00:39+00	-120.74465	47.083558	554.891
2023/09/21 16:01:02+00	-120.74466	47.083344	555.051
2023/09/21 16:01:27+00	-120.74469	47.083112	555.462
2023/09/21 16:01:52+00	-120.74469	47.082881	555.331
2023/09/21 16:02:12+00	-120.74471	47.082717	556.281
2023/09/21 16:02:31+00	-120.74466	47.082585	555.847
2023/09/21 16:02:50+00	-120.74448	47.082489	555.938
2023/09/21 16:02:51+00	-120.74447	47.082482	555.945
2023/09/21 16:03:11+00	-120.74427	47.082455	556.505
2023/09/21 16:03:32+00	-120.74433	47.082539	556.956
2023/09/21 16:03:54+00	-120.74449	47.082687	557.168
2023/09/21 16:03:59+00	-120.74453	47.082732	557.562
2023/09/21 16:04:21+00	-120.74458	47.082927	558.161
2023/09/21 16:04:45+00	-120.74456	47.083134	558.328
2023/09/21 16:05:05+00	-120.74450	47.083292	558.149
2023/09/21 16:05:27+00	-120.74442	47.083497	558.764
2023/09/21 16:05:46+00	-120.74445	47.083564	558.467

Date and Time (UTC)	Longitude	Latitude	GPS Elevation (m)
2023/09/21 16:06:57+00	-120.74439	47.083679	559.189
2023/09/21 16:07:17+00	-120.74434	47.083823	559.102
2023/09/21 16:07:39+00	-120.74428	47.083982	559.189
2023/09/21 16:07:43+00	-120.74431	47.084004	559.635
2023/09/21 16:07:48+00	-120.74431	47.084053	560.162
2023/09/21 16:08:11+00	-120.74425	47.08424	560.368
2023/09/21 16:08:29+00	-120.74420	47.084406	560.116
2023/09/21 16:08:54+00	-120.74420	47.084569	559.529
2023/09/21 16:09:12+00	-120.74432	47.084405	560.517
2023/09/21 16:09:33+00	-120.74444	47.084315	560.411
2023/09/21 16:09:53+00	-120.74467	47.084309	560.118
2023/09/21 16:10:08+00	-120.74483	47.084237	560.941
2023/09/21 16:10:30+00	-120.74505	47.084312	562.109
2023/09/21 16:10:53+00	-120.74527	47.084368	562.47
2023/09/21 16:11:12+00	-120.74545	47.084433	563.038
2023/09/21 16:11:29+00	-120.74564	47.084471	563.585
2023/09/21 16:11:52+00	-120.74592	47.084534	564.4
2023/09/21 16:12:00+00	-120.74603	47.084566	564.217
2023/09/21 16:12:21+00	-120.74620	47.084721	564.171
2023/09/21 16:12:41+00	-120.74622	47.084883	565.272
2023/09/21 16:13:08+00	-120.74630	47.085058	564.278
2023/09/21 16:13:27+00	-120.74633	47.085116	565.061
2023/09/21 16:13:45+00	-120.74632	47.085112	564.319
2023/09/21 16:14:47+00	-120.74634	47.085114	565.159
2023/09/21 16:15:58+00	-120.74652	47.085172	566.64
2023/09/21 16:16:20+00	-120.74669	47.085241	566.883
2023/09/21 16:16:34+00	-120.74680	47.08523	567.652
2023/09/21 16:16:52+00	-120.74695	47.085312	568.08
2023/09/21 16:17:09+00	-120.74708	47.085317	568.104
2023/09/21 16:17:28+00	-120.74721	47.08544	568.522
2023/09/21 16:17:29+00	-120.74722	47.085449	568.526
2023/09/21 16:17:50+00	-120.74746	47.085522	569.111
2023/09/21 16:18:08+00	-120.74765	47.085583	569.536
2023/09/21 16:18:23+00	-120.74780	47.08559	569.655
2023/09/21 16:18:44+00	-120.74798	47.085683	570.499
2023/09/21 16:19:16+00	-120.74799	47.085694	571.463
2023/09/21 16:20:40+00	-120.74811	47.08569	570.29
2023/09/21 16:20:57+00	-120.74833	47.085758	570.498
2023/09/21 16:21:18+00	-120.74858	47.08585	571.112

Date and Time (UTC)	Longitude	Latitude	GPS Elevation (m)
2023/09/21 16:21:37+00	-120.74876	47.0859	571.089
2023/09/21 16:21:53+00	-120.74894	47.085916	571.783
2023/09/21 16:22:12+00	-120.74911	47.085962	572.08
2023/09/21 16:22:29+00	-120.74927	47.085969	572.053
2023/09/21 16:22:49+00	-120.74946	47.086049	572.041
2023/09/21 16:23:11+00	-120.74971	47.086094	571.941
2023/09/21 16:23:31+00	-120.74993	47.086134	572.233
2023/09/21 16:23:48+00	-120.75010	47.086157	572.682
2023/09/21 16:24:04+00	-120.75011	47.086158	573.107
2023/09/21 16:25:09+00	-120.75011	47.086156	574.968

Table 8. 09/21/2023 Saturated Perimeter GPS track coordinates

Date and Time (UTC)	Longitude	Latitude	GPS Elevation (m)
2023/09/23 15:25:17+00	-120.75006	47.08603	584.762
2023/09/23 15:25:18+00	-120.75006	47.08603	584.553
2023/09/23 15:25:20+00	-120.75006	47.08603	585.522
2023/09/23 15:25:34+00	-120.75005	47.08602	583.805
2023/09/23 15:25:56+00	-120.75007	47.08581	583.045
2023/09/23 15:26:10+00	-120.75008	47.08566	583.423
2023/09/23 15:26:22+00	-120.75009	47.08552	583.306
2023/09/23 15:26:38+00	-120.75008	47.08533	583.543
2023/09/23 15:26:59+00	-120.75011	47.08512	583.856
2023/09/23 15:27:27+00	-120.75013	47.08482	584.108
2023/09/23 15:27:41+00	-120.75012	47.08467	584.501
2023/09/23 15:27:55+00	-120.75014	47.08451	584.804
2023/09/23 15:28:11+00	-120.75016	47.08434	584.355
2023/09/23 15:28:28+00	-120.75019	47.08414	584.383
2023/09/23 15:28:41+00	-120.75020	47.08398	584.078
2023/09/23 15:28:57+00	-120.75022	47.0838	583.902
2023/09/23 15:29:17+00	-120.75013	47.08365	583.561
2023/09/23 15:29:19+00	-120.75010	47.08365	583.455
2023/09/23 15:29:38+00	-120.74989	47.08368	582.05
2023/09/23 15:29:51+00	-120.74977	47.08369	581.593
2023/09/23 15:30:07+00	-120.74965	47.08375	581.157
2023/09/23 15:30:14+00	-120.74962	47.0838	581.993
2023/09/23 15:30:35+00	-120.74954	47.08393	581.193
2023/09/23 15:30:50+00	-120.74938	47.084	580.978

Date and Time (UTC)	Longitude	Latitude	GPS Elevation (m)
2023/09/23 15:31:09+00	-120.74919	47.08409	581.094
2023/09/23 15:31:13+00	-120.74917	47.08412	580.696
2023/09/23 15:31:34+00	-120.74911	47.08426	580.356
2023/09/23 15:31:46+00	-120.74900	47.08432	580.407
2023/09/23 15:31:50+00	-120.74894	47.08433	580.1
2023/09/23 15:32:05+00	-120.74879	47.08438	580.177
2023/09/23 15:32:16+00	-120.74870	47.08442	580.096
2023/09/23 15:32:25+00	-120.74861	47.08445	579.726
2023/09/23 15:32:31+00	-120.74852	47.08448	579.712
2023/09/23 15:32:42+00	-120.74842	47.08454	579.762
2023/09/23 15:32:48+00	-120.74838	47.08458	579.14
2023/09/23 15:33:02+00	-120.74825	47.08468	578.927
2023/09/23 15:33:18+00	-120.74819	47.08479	578.358
2023/09/23 15:33:30+00	-120.74816	47.08487	578.985
2023/09/23 15:33:46+00	-120.74806	47.08494	578.636
2023/09/23 15:33:51+00	-120.74802	47.08492	578.851
2023/09/23 15:34:05+00	-120.74799	47.0848	578.703
2023/09/23 15:34:22+00	-120.74798	47.08466	578.796
2023/09/23 15:34:39+00	-120.74799	47.08453	578.963
2023/09/23 15:34:53+00	-120.74799	47.08441	579.04
2023/09/23 15:35:09+00	-120.74797	47.08429	578.811
2023/09/23 15:35:21+00	-120.74797	47.08418	579.138
2023/09/23 15:35:36+00	-120.74800	47.08408	578.995
2023/09/23 15:35:52+00	-120.74793	47.08398	579.61
2023/09/23 15:36:08+00	-120.74786	47.08393	579.941
2023/09/23 15:36:20+00	-120.74776	47.08392	579.665
2023/09/23 15:36:36+00	-120.74761	47.08393	579.866
2023/09/23 15:36:53+00	-120.74749	47.08385	579.737
2023/09/23 15:37:12+00	-120.74743	47.08384	579.594
2023/09/23 15:37:29+00	-120.74728	47.08381	579.052
2023/09/23 15:37:48+00	-120.74710	47.08376	579.121
2023/09/23 15:38:03+00	-120.74695	47.0838	578.789
2023/09/23 15:38:27+00	-120.74672	47.08379	578.523
2023/09/23 15:38:46+00	-120.74657	47.0839	578.596
2023/09/23 15:39:02+00	-120.74643	47.0839	578.818
2023/09/23 15:39:11+00	-120.74643	47.08381	578.42
2023/09/23 15:39:31+00	-120.74643	47.08363	578.345
2023/09/23 15:39:58+00	-120.74638	47.0834	578.657
2023/09/23 15:40:14+00	-120.74640	47.08327	578.753

Date and Time (UTC)	Longitude	Latitude	GPS Elevation (m)
2023/09/23 15:40:32+00	-120.74643	47.08314	578.347
2023/09/23 15:40:47+00	-120.74646	47.08299	577.902
2023/09/23 15:40:57+00	-120.74642	47.08296	578.856
2023/09/23 15:41:15+00	-120.74637	47.0831	578.867
2023/09/23 15:41:32+00	-120.74637	47.08326	578.529
2023/09/23 15:41:41+00	-120.74635	47.08334	578.635
2023/09/23 15:41:59+00	-120.74635	47.0835	578.82
2023/09/23 15:42:16+00	-120.74637	47.08365	578.795
2023/09/23 15:42:31+00	-120.74630	47.08374	579.119
2023/09/23 15:42:40+00	-120.74622	47.08376	579.1
2023/09/23 15:42:47+00	-120.74615	47.08375	578.337
2023/09/23 15:43:03+00	-120.74603	47.08375	578.966
2023/09/23 15:43:18+00	-120.74590	47.0838	577.618
2023/09/23 15:43:26+00	-120.74580	47.0838	576.973
2023/09/23 15:43:43+00	-120.74560	47.08376	577.296
2023/09/23 15:44:03+00	-120.74537	47.08372	576.62
2023/09/23 15:44:17+00	-120.74521	47.08364	576.263
2023/09/23 15:44:35+00	-120.74501	47.08357	575.243
2023/09/23 15:44:51+00	-120.74487	47.08357	575.202
2023/09/23 15:45:05+00	-120.74469	47.08351	574.432
2023/09/23 15:45:21+00	-120.74454	47.08341	574.525
2023/09/23 15:45:24+00	-120.74455	47.08338	574.448
2023/09/23 15:45:42+00	-120.74455	47.08319	574.479
2023/09/23 15:45:58+00	-120.74457	47.08305	574.24
2023/09/23 15:46:15+00	-120.74462	47.08291	574.511
2023/09/23 15:46:32+00	-120.74465	47.08276	574.639
2023/09/23 15:46:50+00	-120.74464	47.08261	574.723
2023/09/23 15:47:07+00	-120.74464	47.08255	574.973
2023/09/23 15:47:21+00	-120.74460	47.08247	575.007
2023/09/23 15:47:34+00	-120.74446	47.08245	575.709
2023/09/23 15:47:51+00	-120.74425	47.08254	574.819
2023/09/23 15:47:55+00	-120.74424	47.08256	575.279
2023/09/23 15:47:57+00	-120.74423	47.08258	574.646
2023/09/23 15:48:08+00	-120.74429	47.08265	574.891
2023/09/23 15:48:26+00	-120.74451	47.08271	575.946
2023/09/23 15:48:34+00	-120.74453	47.08276	576.816
2023/09/23 15:48:39+00	-120.74455	47.08281	576.787
2023/09/23 15:48:50+00	-120.74453	47.08291	578.183
2023/09/23 15:48:55+00	-120.74452	47.08295	577.252

Date and Time (UTC)	Longitude	Latitude	GPS Elevation (m)
2023/09/23 15:49:09+00	-120.74454	47.08309	577.374
2023/09/23 15:49:17+00	-120.74455	47.08314	577.875
2023/09/23 15:49:21+00	-120.74456	47.08317	577.593
2023/09/23 15:49:38+00	-120.74453	47.08333	578.242
2023/09/23 15:49:44+00	-120.74454	47.08337	578.364
2023/09/23 15:49:57+00	-120.74444	47.08345	578.08
2023/09/23 15:50:16+00	-120.74429	47.08357	578.415
2023/09/23 15:50:18+00	-120.74427	47.08358	577.919
2023/09/23 15:50:37+00	-120.74419	47.08369	577.693
2023/09/23 15:50:53+00	-120.74420	47.08375	577.958
2023/09/23 15:51:12+00	-120.74402	47.08389	577.762
2023/09/23 15:51:20+00	-120.74397	47.08395	577.217
2023/09/23 15:51:36+00	-120.74408	47.08408	576.968
2023/09/23 15:51:53+00	-120.74419	47.08417	577.018
2023/09/23 15:51:56+00	-120.74421	47.0842	575.774
2023/09/23 15:52:01+00	-120.74426	47.08423	576.808
2023/09/23 15:52:23+00	-120.74425	47.08442	577.021
2023/09/23 15:52:29+00	-120.74422	47.08447	577.366
2023/09/23 15:52:50+00	-120.74421	47.08462	575.654
2023/09/23 15:53:07+00	-120.74437	47.0846	576.331
2023/09/23 15:53:27+00	-120.74449	47.08447	576.153
2023/09/23 15:53:32+00	-120.74453	47.08442	576.163
2023/09/23 15:53:51+00	-120.74471	47.08437	575.393
2023/09/23 15:53:52+00	-120.74472	47.08437	575.643
2023/09/23 15:53:58+00	-120.74479	47.0844	576.082
2023/09/23 15:54:12+00	-120.74493	47.08447	576.007
2023/09/23 15:54:32+00	-120.74509	47.08457	576.494
2023/09/23 15:54:36+00	-120.74511	47.0846	576.586
2023/09/23 15:54:47+00	-120.74505	47.08468	577.19
2023/09/23 15:54:55+00	-120.74509	47.08475	576.799
2023/09/23 15:55:06+00	-120.74516	47.08483	576.476
2023/09/23 15:55:23+00	-120.74515	47.08496	576.093
2023/09/23 15:55:59+00	-120.74516	47.08495	574.915
2023/09/23 15:57:04+00	-120.74519	47.08494	573.803
2023/09/23 15:57:21+00	-120.74544	47.08491	573.299
2023/09/23 15:57:41+00	-120.74570	47.08488	573.57
2023/09/23 15:57:58+00	-120.74588	47.08491	573.899
2023/09/23 15:58:15+00	-120.74610	47.08495	574.049
2023/09/23 15:58:16+00	-120.74611	47.08496	574.552

Date and Time (UTC)	Longitude	Latitude	GPS Elevation (m)
2023/09/23 15:58:29+00	-120.74619	47.085	574.286
2023/09/23 15:58:48+00	-120.74632	47.08504	575.107
2023/09/23 15:59:05+00	-120.74644	47.08514	575.037
2023/09/23 15:59:21+00	-120.74657	47.08522	575.567
2023/09/23 15:59:29+00	-120.74664	47.08525	575.406
2023/09/23 15:59:46+00	-120.74682	47.08533	577.004
2023/09/23 15:59:52+00	-120.74689	47.08535	576.573
2023/09/23 15:59:59+00	-120.74696	47.08539	577.038
2023/09/23 16:00:15+00	-120.74715	47.08545	577.815
2023/09/23 16:00:27+00	-120.74730	47.08547	578.235
2023/09/23 16:00:47+00	-120.74752	47.08555	578.191
2023/09/23 16:00:48+00	-120.74753	47.08555	578.187
2023/09/23 16:01:01+00	-120.74771	47.08558	578.568
2023/09/23 16:01:16+00	-120.74787	47.08562	579.237
2023/09/23 16:01:24+00	-120.74794	47.08564	575.802
2023/09/23 16:01:25+00	-120.74794	47.08564	575.799
2023/09/23 16:01:26+00	-120.74794	47.08564	579.669
2023/09/23 16:01:27+00	-120.74794	47.08564	578.389
2023/09/23 16:01:32+00	-120.74794	47.08564	581.24
2023/09/23 16:01:34+00	-120.74794	47.08564	579.66
2023/09/23 16:01:48+00	-120.74794	47.08564	577.206
2023/09/23 16:01:50+00	-120.74794	47.08564	578.78
2023/09/23 16:01:55+00	-120.74794	47.08564	578.255
2023/09/23 16:01:57+00	-120.74794	47.08564	580.192
2023/09/23 16:02:13+00	-120.74812	47.08567	579.618
2023/09/23 16:02:14+00	-120.74814	47.08567	579.615
2023/09/23 16:02:25+00	-120.74828	47.08572	579.051
2023/09/23 16:02:43+00	-120.74849	47.08579	580.157
2023/09/23 16:03:00+00	-120.74867	47.08585	580.463
2023/09/23 16:03:21+00	-120.74866	47.08586	580.836
2023/09/23 16:03:56+00	-120.74880	47.08588	579.679
2023/09/23 16:04:16+00	-120.74904	47.08589	579.64
2023/09/23 16:04:49+00	-120.74906	47.0859	580.408
2023/09/23 16:05:07+00	-120.74920	47.08593	579.855
2023/09/23 16:05:24+00	-120.74939	47.08596	580.434
2023/09/23 16:05:27+00	-120.74943	47.08597	580.844
2023/09/23 16:05:35+00	-120.74951	47.086	580.602
2023/09/23 16:05:40+00	-120.74957	47.08602	579.34
2023/09/23 16:05:41+00	-120.74959	47.08602	580.874

Date and Time (UTC)	Longitude	Latitude	GPS Elevation (m)
2023/09/23 16:05:43+00	-120.74961	47.08603	580.981
2023/09/23 16:06:01+00	-120.74983	47.08605	580.776
2023/09/23 16:06:08+00	-120.74991	47.08605	580.966
2023/09/23 16:06:27+00	-120.75008	47.08613	581.579
2023/09/23 16:06:38+00	-120.75014	47.08607	581.079
2023/09/23 16:06:50+00	-120.75007	47.08601	581.935
2023/09/23 16:06:54+00	-120.75008	47.086	580.299
2023/09/23 16:06:56+00	-120.75008	47.086	582.44
2023/09/23 16:07:15+00	-120.75008	47.086	581.671

Table 9. 09/23/2023 Saturated Perimeter GPS track coordinates

MW-A Transducer	Ground Elv = 1912.81	MW-B Transducer	Ground Elv = 1906.23	MW-C Transducer	Ground Elv = 1871.12	MW-D Transducer	Ground Elv = 1874.15
Date and Time	GW Elevation	Date and Time	GW Elevation	Date and Time	GW Elevation	Date and Time	GW Elevation
9/1/23 0:00	1907.34	9/1/23 0:11	1900.92	9/1/23 0:00	1859.29	9/1/23 0:00	1871.36
9/1/23 1:00	1907.34	9/1/23 1:11	1900.94	9/1/23 1:00	1859.29	9/1/23 1:00	1871.40
9/1/23 2:00	1907.32	9/1/23 2:11	1900.93	9/1/23 2:00	1859.27	9/1/23 2:00	1871.37
9/1/23 3:00	1907.35	9/1/23 3:11	1900.96	9/1/23 3:00	1859.31	9/1/23 3:00	1871.37
9/1/23 4:00	1907.35	9/1/23 4:11	1900.92	9/1/23 4:00	1859.29	9/1/23 4:00	1871.38
9/1/23 5:00	1907.36	9/1/23 5:11	1900.98	9/1/23 5:00	1859.32	9/1/23 5:00	1871.40
9/1/23 6:00	1907.37	9/1/23 6:11	1900.95	9/1/23 6:00	1859.29	9/1/23 6:00	1871.41
9/1/23 7:00	1907.36	9/1/23 7:11	1900.97	9/1/23 7:00	1859.32	9/1/23 7:00	1871.42
9/1/23 8:00	1907.37	9/1/23 8:11	1900.97	9/1/23 8:00	1859.29	9/1/23 8:00	1871.39
9/1/23 9:00	1907.37	9/1/23 9:11	1900.99	9/1/23 9:00	1859.27	9/1/23 9:00	1871.39
9/1/23 10:00	1907.38	9/1/23 10:11	1900.97	9/1/23 10:00	1859.31	9/1/23 10:00	1871.40
9/1/23 11:00	1907.34	9/1/23 11:11	1900.94	9/1/23 11:00	1859.28	9/1/23 11:00	1871.37
9/1/23 12:00	1907.35	9/1/23 12:11	1900.92	9/1/23 12:00	1859.28	9/1/23 12:00	1871.36
9/1/23 13:00	1907.32	9/1/23 13:11	1900.90	9/1/23 13:00	1859.23	9/1/23 13:00	1871.36
9/1/23 14:00	1907.30	9/1/23 14:11	1900.87	9/1/23 14:00	1859.21	9/1/23 14:00	1871.35
9/1/23 15:00	1907.33	9/1/23 15:11	1900.87	9/1/23 15:00	1859.26	9/1/23 15:00	1871.36
9/1/23 16:00	1907.33	9/1/23 16:11	1900.91	9/1/23 16:00	1859.25	9/1/23 16:00	1871.33
9/1/23 17:00	1907.33	9/1/23 17:11	1900.93	9/1/23 17:00	1859.26	9/1/23 17:00	1871.36
9/1/23 18:00	1907.34	9/1/23 18:11	1900.93	9/1/23 18:00	1859.27	9/1/23 18:00	1871.35
9/1/23 19:00	1907.35	9/1/23 19:11	1900.94	9/1/23 19:00	1859.29	9/1/23 19:00	1871.35
9/1/23 20:00	1907.35	9/1/23 20:11	1900.94	9/1/23 20:00	1859.29	9/1/23 20:00	1871.35
9/1/23 21:00	1907.34	9/1/23 21:11	1900.94	9/1/23 21:00	1859.27	9/1/23 21:00	1871.38
9/1/23 22:00	1907.39	9/1/23 22:11	1900.97	9/1/23 22:00	1859.27	9/1/23 22:00	1871.38
9/1/23 23:00	1907.35	9/1/23 23:11	1900.92	9/1/23 23:00	1859.27	9/1/23 23:00	1871.36
9/2/23 0:00	1907.37	9/2/23 0:11	1900.93	9/2/23 0:00	1859.29	9/2/23 0:00	1871.34
9/2/23 1:00	1907.36	9/2/23 1:11	1900.93	9/2/23 1:00	1859.29	9/2/23 1:00	1871.39
9/2/23 2:00	1907.38	9/2/23 2:11	1900.89	9/2/23 2:00	1859.24	9/2/23 2:00	1871.37
9/2/23 3:00	1907.37	9/2/23 3:11	1900.91	9/2/23 3:00	1859.26	9/2/23 3:00	1871.37
9/2/23 4:00	1907.39	9/2/23 4:11	1900.91	9/2/23 4:00	1859.29	9/2/23 4:00	1871.37
9/2/23 5:00	1907.40	9/2/23 5:11	1900.92	9/2/23 5:00	1859.31	9/2/23 5:00	1871.37
9/2/23 6:00	1907.40	9/2/23 6:11	1900.93	9/2/23 6:00	1859.27	9/2/23 6:00	1871.37
9/2/23 7:00	1907.39	9/2/23 7:11	1900.89	9/2/23 7:00	1859.30	9/2/23 7:00	1871.39
9/2/23 8:00	1907.39	9/2/23 8:11	1900.91	9/2/23 8:00	1859.29	9/2/23 8:00	1871.37
9/2/23 9:00	1907.36	9/2/23 9:11	1900.95	9/2/23 9:00	1859.29	9/2/23 9:00	1871.39
9/2/23 10:00	1907.40	9/2/23 10:11	1900.94	9/2/23 10:00	1859.30	9/2/23 10:00	1871.39
9/2/23 11:00	1907.40	9/2/23 11:11	1900.96	9/2/23 11:00	1859.27	9/2/23 11:00	1871.37
9/2/23 12:00	1907.37	9/2/23 12:11	1900.89	9/2/23 12:00	1859.27	9/2/23 12:00	1871.35

MW-A Transducer	Ground Elv = 1912.81	MW-B Transducer	Ground Elv = 1906.23	MW-C Transducer	Ground Elv = 1871.12	MW-D Transducer	Ground Elv = 1874.15
9/2/23 13:00	1907.37	9/2/23 13:11	1900.89	9/2/23 13:00	1859.27	9/2/23 13:00	1871.33
9/2/23 14:00	1907.35	9/2/23 14:11	1900.88	9/2/23 14:00	1859.24	9/2/23 14:00	1871.35
9/2/23 15:00	1907.38	9/2/23 15:11	1900.86	9/2/23 15:00	1859.27	9/2/23 15:00	1871.34
9/2/23 16:00	1907.36	9/2/23 16:11	1900.93	9/2/23 16:00	1859.28	9/2/23 16:00	1871.35
9/2/23 17:00	1907.37	9/2/23 17:11	1900.87	9/2/23 17:00	1859.27	9/2/23 17:00	1871.37
9/2/23 18:00	1907.36	9/2/23 18:11	1900.90	9/2/23 18:00	1859.28	9/2/23 18:00	1871.35
9/2/23 19:00	1907.41	9/2/23 19:11	1900.95	9/2/23 19:00	1859.29	9/2/23 19:00	1871.34
9/2/23 20:00	1907.41	9/2/23 20:11	1900.90	9/2/23 20:00	1859.29	9/2/23 20:00	1871.37
9/2/23 21:00	1907.41	9/2/23 21:11	1900.88	9/2/23 21:00	1859.29	9/2/23 21:00	1871.37
9/2/23 22:00	1907.39	9/2/23 22:11	1900.91	9/2/23 22:00	1859.31	9/2/23 22:00	1871.37
9/2/23 23:00	1907.41	9/2/23 23:11	1900.90	9/2/23 23:00	1859.27	9/2/23 23:00	1871.37
9/3/23 0:00	1907.42	9/3/23 0:11	1900.92	9/3/23 0:00	1859.29	9/3/23 0:00	1871.38
9/3/23 1:00	1907.43	9/3/23 1:11	1900.92	9/3/23 1:00	1859.28	9/3/23 1:00	1871.37
9/3/23 2:00	1907.41	9/3/23 2:11	1900.92	9/3/23 2:00	1859.30	9/3/23 2:00	1871.38
9/3/23 3:00	1907.42	9/3/23 3:11	1900.89	9/3/23 3:00	1859.30	9/3/23 3:00	1871.37
9/3/23 4:00	1907.39	9/3/23 4:11	1900.89	9/3/23 4:00	1859.30	9/3/23 4:00	1871.38
9/3/23 5:00	1907.43	9/3/23 5:11	1900.92	9/3/23 5:00	1859.30	9/3/23 5:00	1871.38
9/3/23 6:00	1907.45	9/3/23 6:11	1900.90	9/3/23 6:00	1859.31	9/3/23 6:00	1871.37
9/3/23 7:00	1907.44	9/3/23 7:11	1900.92	9/3/23 7:00	1859.30	9/3/23 7:00	1871.39
9/3/23 8:00	1907.42	9/3/23 8:11	1900.92	9/3/23 8:00	1859.32	9/3/23 8:00	1871.38
9/3/23 9:00	1907.44	9/3/23 9:11	1900.95	9/3/23 9:00	1859.31	9/3/23 9:00	1871.37
9/3/23 10:00	1907.45	9/3/23 10:11	1900.94	9/3/23 10:00	1859.32	9/3/23 10:00	1871.39
9/3/23 11:00	1907.44	9/3/23 11:11	1900.91	9/3/23 11:00	1859.29	9/3/23 11:00	1871.39
9/3/23 12:00	1907.43	9/3/23 12:11	1900.94	9/3/23 12:00	1859.27	9/3/23 12:00	1871.37
9/3/23 13:00	1907.41	9/3/23 13:11	1900.91	9/3/23 13:00	1859.28	9/3/23 13:00	1871.34
9/3/23 14:00	1907.41	9/3/23 14:11	1900.93	9/3/23 14:00	1859.27	9/3/23 14:00	1871.34
9/3/23 15:00	1907.41	9/3/23 15:11	1900.90	9/3/23 15:00	1859.26	9/3/23 15:00	1871.36
9/3/23 16:00	1907.39	9/3/23 16:11	1900.86	9/3/23 16:00	1859.28	9/3/23 16:00	1871.34
9/3/23 17:00	1907.42	9/3/23 17:11	1900.90	9/3/23 17:00	1859.28	9/3/23 17:00	1871.35
9/3/23 18:00	1907.43	9/3/23 18:11	1900.93	9/3/23 18:00	1859.31	9/3/23 18:00	1871.36
9/3/23 19:00	1907.42	9/3/23 19:11	1900.93	9/3/23 19:00	1859.30	9/3/23 19:00	1871.36
9/3/23 20:00	1907.41	9/3/23 20:11	1900.94	9/3/23 20:00	1859.32	9/3/23 20:00	1871.35
9/3/23 21:00	1907.43	9/3/23 21:11	1900.94	9/3/23 21:00	1859.29	9/3/23 21:00	1871.34
9/3/23 22:00	1907.43	9/3/23 22:11	1900.92	9/3/23 22:00	1859.29	9/3/23 22:00	1871.36
9/3/23 23:00	1907.45	9/3/23 23:11	1900.91	9/3/23 23:00	1859.26	9/3/23 23:00	1871.37
9/4/23 0:00	1907.46	9/4/23 0:11	1900.92	9/4/23 0:00	1859.31	9/4/23 0:00	1871.37
9/4/23 1:00	1907.42	9/4/23 1:11	1900.93	9/4/23 1:00	1859.31	9/4/23 1:00	1871.36
9/4/23 2:00	1907.43	9/4/23 2:11	1900.90	9/4/23 2:00	1859.29	9/4/23 2:00	1871.35

MW-A Transducer	Ground Elv = 1912.81	MW-B Transducer	Ground Elv = 1906.23	MW-C Transducer	Ground Elv = 1871.12	MW-D Transducer	Ground Elv = 1874.15
9/4/23 3:00	1907.44	9/4/23 3:11	1900.87	9/4/23 3:00	1859.28	9/4/23 3:00	1871.35
9/4/23 4:00	1907.43	9/4/23 4:11	1900.86	9/4/23 4:00	1859.29	9/4/23 4:00	1871.35
9/4/23 5:00	1907.46	9/4/23 5:11	1900.92	9/4/23 5:00	1859.31	9/4/23 5:00	1871.37
9/4/23 6:00	1907.46	9/4/23 6:11	1900.88	9/4/23 6:00	1859.29	9/4/23 6:00	1871.36
9/4/23 7:00	1907.46	9/4/23 7:11	1900.90	9/4/23 7:00	1859.32	9/4/23 7:00	1871.37
9/4/23 8:00	1907.47	9/4/23 8:11	1900.90	9/4/23 8:00	1859.30	9/4/23 8:00	1871.38
9/4/23 9:00	1907.45	9/4/23 9:11	1900.93	9/4/23 9:00	1859.31	9/4/23 9:00	1871.38
9/4/23 10:00	1907.47	9/4/23 10:11	1900.89	9/4/23 10:00	1859.32	9/4/23 10:00	1871.38
9/4/23 11:00	1907.44	9/4/23 11:11	1900.92	9/4/23 11:00	1859.29	9/4/23 11:00	1871.38
9/4/23 12:00	1907.44	9/4/23 12:11	1900.89	9/4/23 12:00	1859.29	9/4/23 12:00	1871.34
9/4/23 13:00	1907.45	9/4/23 13:11	1900.88	9/4/23 13:00	1859.27	9/4/23 13:00	1871.36
9/4/23 14:00	1907.41	9/4/23 14:11	1900.90	9/4/23 14:00	1859.27	9/4/23 14:00	1871.36
9/4/23 15:00	1907.42	9/4/23 15:11	1900.89	9/4/23 15:00	1859.26	9/4/23 15:00	1871.31
9/4/23 16:00	1907.42	9/4/23 16:11	1900.89	9/4/23 16:00	1859.28	9/4/23 16:00	1871.33
9/4/23 17:00	1907.41	9/4/23 17:11	1900.86	9/4/23 17:00	1859.30	9/4/23 17:00	1871.34
9/4/23 18:00	1907.42	9/4/23 18:11	1900.88	9/4/23 18:00	1859.30	9/4/23 18:00	1871.35
9/4/23 19:00	1907.43	9/4/23 19:11	1900.88	9/4/23 19:00	1859.31	9/4/23 19:00	1871.37
9/4/23 20:00	1907.45	9/4/23 20:11	1900.90	9/4/23 20:00	1859.30	9/4/23 20:00	1871.36
9/4/23 21:00	1907.44	9/4/23 21:11	1900.87	9/4/23 21:00	1859.28	9/4/23 21:00	1871.36
9/4/23 22:00	1907.43	9/4/23 22:11	1900.90	9/4/23 22:00	1859.29	9/4/23 22:00	1871.37
9/4/23 23:00	1907.41	9/4/23 23:11	1900.88	9/4/23 23:00	1859.30	9/4/23 23:00	1871.37
9/5/23 0:00	1907.45	9/5/23 0:11	1900.91	9/5/23 0:00	1859.27	9/5/23 0:00	1871.36
9/5/23 1:00	1907.46	9/5/23 1:11	1900.88	9/5/23 1:00	1859.30	9/5/23 1:00	1871.36
9/5/23 2:00	1907.45	9/5/23 2:11	1900.87	9/5/23 2:00	1859.30	9/5/23 2:00	1871.36
9/5/23 3:00	1907.44	9/5/23 3:11	1900.89	9/5/23 3:00	1859.32	9/5/23 3:00	1871.35
9/5/23 4:00	1907.47	9/5/23 4:11	1900.89	9/5/23 4:00	1859.35	9/5/23 4:00	1871.38
9/5/23 5:00	1907.47	9/5/23 5:11	1900.89	9/5/23 5:00	1859.31	9/5/23 5:00	1871.37
9/5/23 6:00	1907.50	9/5/23 6:11	1900.89	9/5/23 6:00	1859.33	9/5/23 6:00	1871.38
9/5/23 7:00	1907.47	9/5/23 7:11	1900.86	9/5/23 7:00	1859.32	9/5/23 7:00	1871.36
9/5/23 8:00	1907.47	9/5/23 8:11	1900.88	9/5/23 8:00	1859.32	9/5/23 8:00	1871.38
9/5/23 9:00	1907.45	9/5/23 9:11	1900.90	9/5/23 9:00	1859.31	9/5/23 9:00	1871.38
9/5/23 10:00	1907.49	9/5/23 10:11	1900.87	9/5/23 10:00	1859.32	9/5/23 10:00	1871.38
9/5/23 11:00	1907.49	9/5/23 11:11	1900.91	9/5/23 11:00	1859.32	9/5/23 11:00	1871.38
9/5/23 12:00	1907.46	9/5/23 12:11	1900.94	9/5/23 12:00	1859.33	9/5/23 12:00	1871.39
9/5/23 13:00	1907.43	9/5/23 13:11	1900.89	9/5/23 13:00	1859.29	9/5/23 13:00	1871.35
9/5/23 14:00	1907.43	9/5/23 14:11	1900.86	9/5/23 14:00	1859.32	9/5/23 14:00	1871.35
9/5/23 15:00	1907.43	9/5/23 15:11	1900.85	9/5/23 15:00	1859.28	9/5/23 15:00	1871.37
9/5/23 16:00	1907.42	9/5/23 16:11	1900.86	9/5/23 16:00	1859.30	9/5/23 16:00	1871.35

MW-A Transducer	Ground Elv = 1912.81	MW-B Transducer	Ground Elv = 1906.23	MW-C Transducer	Ground Elv = 1871.12	MW-D Transducer	Ground Elv = 1874.15
9/5/23 17:00	1907.44	9/5/23 17:11	1900.90	9/5/23 17:00	1859.28	9/5/23 17:00	1871.34
9/5/23 18:00	1907.45	9/5/23 18:11	1900.88	9/5/23 18:00	1859.30	9/5/23 18:00	1871.34
9/5/23 19:00	1907.44	9/5/23 19:11	1900.88	9/5/23 19:00	1859.30	9/5/23 19:00	1871.37
9/5/23 20:00	1907.46	9/5/23 20:11	1900.89	9/5/23 20:00	1859.31	9/5/23 20:00	1871.35
9/5/23 21:00	1907.49	9/5/23 21:11	1900.89	9/5/23 21:00	1859.32	9/5/23 21:00	1871.36
9/5/23 22:00	1907.47	9/5/23 22:11	1900.88	9/5/23 22:00	1859.29	9/5/23 22:00	1871.36
9/5/23 23:00	1907.49	9/5/23 23:11	1900.91	9/5/23 23:00	1859.32	9/5/23 23:00	1871.37
9/6/23 0:00	1907.51	9/6/23 0:11	1900.91	9/6/23 0:00	1859.30	9/6/23 0:00	1871.40
9/6/23 1:00	1907.51	9/6/23 1:11	1900.89	9/6/23 1:00	1859.33	9/6/23 1:00	1871.41
9/6/23 2:00	1907.50	9/6/23 2:11	1900.93	9/6/23 2:00	1859.31	9/6/23 2:00	1871.39
9/6/23 3:00	1907.48	9/6/23 3:11	1900.92	9/6/23 3:00	1859.31	9/6/23 3:00	1871.40
9/6/23 4:00	1907.48	9/6/23 4:11	1900.84	9/6/23 4:00	1859.35	9/6/23 4:00	1871.37
9/6/23 5:00	1907.51	9/6/23 5:11	1900.86	9/6/23 5:00	1859.32	9/6/23 5:00	1871.38
9/6/23 6:00	1907.50	9/6/23 6:11	1900.88	9/6/23 6:00	1859.31	9/6/23 6:00	1871.39
9/6/23 7:00	1907.51	9/6/23 7:11	1900.88	9/6/23 7:00	1859.33	9/6/23 7:00	1871.39
9/6/23 8:00	1907.48	9/6/23 8:11	1900.89	9/6/23 8:00	1859.32	9/6/23 8:00	1871.38
9/6/23 9:00	1907.53	9/6/23 9:11	1900.87	9/6/23 9:00	1859.32	9/6/23 9:00	1871.36
9/6/23 10:00	1907.52	9/6/23 10:11	1900.86	9/6/23 10:00	1859.33	9/6/23 10:00	1871.39
9/6/23 11:00	1907.51	9/6/23 11:11	1900.93	9/6/23 11:00	1859.31	9/6/23 11:00	1871.38
9/6/23 12:00	1907.51	9/6/23 12:11	1900.89	9/6/23 12:00	1859.29	9/6/23 12:00	1871.38
9/6/23 13:00	1907.48	9/6/23 13:11	1900.86	9/6/23 13:00	1859.28	9/6/23 13:00	1871.35
9/6/23 14:00	1907.46	9/6/23 14:11	1900.88	9/6/23 14:00	1859.29	9/6/23 14:00	1871.38
9/6/23 15:00	1907.49	9/6/23 15:11	1900.94	9/6/23 15:00	1859.29	9/6/23 15:00	1871.38
9/6/23 16:00	1907.47	9/6/23 16:11	1900.89	9/6/23 16:00	1859.30	9/6/23 16:00	1871.36
9/6/23 17:00	1907.50	9/6/23 17:11	1900.91	9/6/23 17:00	1859.27	9/6/23 17:00	1871.35
9/6/23 18:00	1907.48	9/6/23 18:11	1900.86	9/6/23 18:00	1859.29	9/6/23 18:00	1871.35
9/6/23 19:00	1907.48	9/6/23 19:11	1900.88	9/6/23 19:00	1859.30	9/6/23 19:00	1871.35
9/6/23 20:00	1907.48	9/6/23 20:11	1900.88	9/6/23 20:00	1859.30	9/6/23 20:00	1871.36
9/6/23 21:00	1907.50	9/6/23 21:11	1900.89	9/6/23 21:00	1859.32	9/6/23 21:00	1871.37
9/6/23 22:00	1907.49	9/6/23 22:11	1900.86	9/6/23 22:00	1859.32	9/6/23 22:00	1871.37
9/6/23 23:00	1907.50	9/6/23 23:11	1900.88	9/6/23 23:00	1859.34	9/6/23 23:00	1871.37
9/7/23 0:00	1907.49	9/7/23 0:11	1900.88	9/7/23 0:00	1859.35	9/7/23 0:00	1871.38
9/7/23 1:00	1907.50	9/7/23 1:11	1900.89	9/7/23 1:00	1859.31	9/7/23 1:00	1871.38
9/7/23 2:00	1907.49	9/7/23 2:11	1900.89	9/7/23 2:00	1859.31	9/7/23 2:00	1871.36
9/7/23 3:00	1907.47	9/7/23 3:11	1900.85	9/7/23 3:00	1859.28	9/7/23 3:00	1871.34
9/7/23 4:00	1907.51	9/7/23 4:11	1900.87	9/7/23 4:00	1859.29	9/7/23 4:00	1871.38
9/7/23 5:00	1907.51	9/7/23 5:11	1900.90	9/7/23 5:00	1859.30	9/7/23 5:00	1871.36
9/7/23 6:00	1907.49	9/7/23 6:11	1900.88	9/7/23 6:00	1859.33	9/7/23 6:00	1871.37

MW-A Transducer	Ground Elv = 1912.81	MW-B Transducer	Ground Elv = 1906.23	MW-C Transducer	Ground Elv = 1871.12	MW-D Transducer	Ground Elv = 1874.15
9/7/23 7:00	1907.51	9/7/23 7:11	1900.87	9/7/23 7:00	1859.31	9/7/23 7:00	1871.38
9/7/23 8:00	1907.51	9/7/23 8:11	1900.87	9/7/23 8:00	1859.31	9/7/23 8:00	1871.38
9/7/23 9:00	1907.49	9/7/23 9:11	1900.88	9/7/23 9:00	1859.30	9/7/23 9:00	1871.37
9/7/23 10:00	1907.50	9/7/23 10:11	1900.85	9/7/23 10:00	1859.32	9/7/23 10:00	1871.37
9/7/23 11:00	1907.49	9/7/23 11:11	1900.86	9/7/23 11:00	1859.29	9/7/23 11:00	1871.37
9/7/23 12:00	1907.52	9/7/23 12:11	1900.89	9/7/23 12:00	1859.31	9/7/23 12:00	1871.36
9/7/23 13:00	1907.46	9/7/23 13:11	1900.92	9/7/23 13:00	1859.30	9/7/23 13:00	1871.37
9/7/23 14:00	1907.49	9/7/23 14:11	1900.88	9/7/23 14:00	1859.29	9/7/23 14:00	1871.38
9/7/23 15:00	1907.48	9/7/23 15:11	1900.89	9/7/23 15:00	1859.29	9/7/23 15:00	1871.34
9/7/23 16:00	1907.49	9/7/23 16:11	1900.83	9/7/23 16:00	1859.30	9/7/23 16:00	1871.35
9/7/23 17:00	1907.47	9/7/23 17:11	1900.86	9/7/23 17:00	1859.29	9/7/23 17:00	1871.35
9/7/23 18:00	1907.49	9/7/23 18:11	1900.83	9/7/23 18:00	1859.29	9/7/23 18:00	1871.34
9/7/23 19:00	1907.50	9/7/23 19:11	1900.87	9/7/23 19:00	1859.31	9/7/23 19:00	1871.37
9/7/23 20:00	1907.51	9/7/23 20:11	1900.88	9/7/23 20:00	1859.33	9/7/23 20:00	1871.38
9/7/23 21:00	1907.51	9/7/23 21:11	1900.86	9/7/23 21:00	1859.34	9/7/23 21:00	1871.38
9/7/23 22:00	1907.50	9/7/23 22:11	1900.89	9/7/23 22:00	1859.35	9/7/23 22:00	1871.36
9/7/23 23:00	1907.49	9/7/23 23:11	1900.88	9/7/23 23:00	1859.32	9/7/23 23:00	1871.36
9/8/23 0:00	1907.52	9/8/23 0:11	1900.86	9/8/23 0:00	1859.35	9/8/23 0:00	1871.40
9/8/23 1:00	1907.51	9/8/23 1:11	1900.84	9/8/23 1:00	1859.33	9/8/23 1:00	1871.36
9/8/23 2:00	1907.50	9/8/23 2:11	1900.87	9/8/23 2:00	1859.33	9/8/23 2:00	1871.38
9/8/23 3:00	1907.53	9/8/23 3:11	1900.83	9/8/23 3:00	1859.34	9/8/23 3:00	1871.38
9/8/23 4:00	1907.52	9/8/23 4:11	1900.87	9/8/23 4:00	1859.35	9/8/23 4:00	1871.37
9/8/23 5:00	1907.52	9/8/23 5:11	1900.89	9/8/23 5:00	1859.37	9/8/23 5:00	1871.39
9/8/23 6:00	1907.53	9/8/23 6:11	1900.85	9/8/23 6:00	1859.33	9/8/23 6:00	1871.38
9/8/23 7:00	1907.53	9/8/23 7:11	1900.84	9/8/23 7:00	1859.35	9/8/23 7:00	1871.39
9/8/23 8:00	1907.52	9/8/23 8:11	1900.83	9/8/23 8:00	1859.32	9/8/23 8:00	1871.36
9/8/23 9:00	1907.52	9/8/23 9:11	1900.84	9/8/23 9:00	1859.34	9/8/23 9:00	1871.36
9/8/23 10:00	1907.52	9/8/23 10:11	1900.84	9/8/23 10:00	1859.32	9/8/23 10:00	1871.38
9/8/23 11:00	1907.50	9/8/23 11:11	1900.80	9/8/23 11:00	1859.32	9/8/23 11:00	1871.35
9/8/23 12:00	1907.50	9/8/23 12:11	1900.85	9/8/23 12:00	1859.32	9/8/23 12:00	1871.34
9/8/23 13:00	1907.46	9/8/23 13:11	1900.81	9/8/23 13:00	1859.29	9/8/23 13:00	1871.33
9/8/23 14:00	1907.50	9/8/23 14:11	1900.82	9/8/23 14:00	1859.31	9/8/23 14:00	1871.34
9/8/23 15:00	1907.49	9/8/23 15:11	1900.80	9/8/23 15:00	1859.30	9/8/23 15:00	1871.34
9/8/23 16:00	1907.48	9/8/23 16:11	1900.80	9/8/23 16:00	1859.30	9/8/23 16:00	1871.32
9/8/23 17:00	1907.45	9/8/23 17:11	1900.83	9/8/23 17:00	1859.30	9/8/23 17:00	1871.35
9/8/23 18:00	1907.49	9/8/23 18:11	1900.80	9/8/23 18:00	1859.31	9/8/23 18:00	1871.34
9/8/23 19:00	1907.49	9/8/23 19:11	1900.80	9/8/23 19:00	1859.33	9/8/23 19:00	1871.35
9/8/23 20:00	1907.47	9/8/23 20:11	1900.81	9/8/23 20:00	1859.32	9/8/23 20:00	1871.34

MW-A Transducer	Ground Elv = 1912.81	MW-B Transducer	Ground Elv = 1906.23	MW-C Transducer	Ground Elv = 1871.12	MW-D Transducer	Ground Elv = 1874.15
9/8/23 21:00	1907.50	9/8/23 21:11	1900.79	9/8/23 21:00	1859.36	9/8/23 21:00	1871.38
9/8/23 22:00	1907.49	9/8/23 22:11	1900.83	9/8/23 22:00	1859.34	9/8/23 22:00	1871.35
9/8/23 23:00	1907.49	9/8/23 23:11	1900.80	9/8/23 23:00	1859.35	9/8/23 23:00	1871.35
9/9/23 0:00	1907.47	9/9/23 0:11	1900.79	9/9/23 0:00	1859.34	9/9/23 0:00	1871.36
9/9/23 1:00	1907.49	9/9/23 1:11	1900.82	9/9/23 1:00	1859.34	9/9/23 1:00	1871.36
9/9/23 2:00	1907.50	9/9/23 2:11	1900.83	9/9/23 2:00	1859.33	9/9/23 2:00	1871.36
9/9/23 3:00	1907.50	9/9/23 3:11	1900.83	9/9/23 3:00	1859.37	9/9/23 3:00	1871.37
9/9/23 4:00	1907.51	9/9/23 4:11	1900.82	9/9/23 4:00	1859.35	9/9/23 4:00	1871.35
9/9/23 5:00	1907.51	9/9/23 5:11	1900.82	9/9/23 5:00	1859.34	9/9/23 5:00	1871.38
9/9/23 6:00	1907.49	9/9/23 6:11	1900.81	9/9/23 6:00	1859.36	9/9/23 6:00	1871.37
9/9/23 7:00	1907.48	9/9/23 7:11	1900.81	9/9/23 7:00	1859.35	9/9/23 7:00	1871.38
9/9/23 8:00	1907.50	9/9/23 8:11	1900.77	9/9/23 8:00	1859.30	9/9/23 8:00	1871.35
9/9/23 9:00	1907.48	9/9/23 9:11	1900.77	9/9/23 9:00	1859.34	9/9/23 9:00	1871.36
9/9/23 10:00	1907.48	9/9/23 10:11	1900.80	9/9/23 10:00	1859.34	9/9/23 10:00	1871.38
9/9/23 11:00	1907.48	9/9/23 11:11	1900.79	9/9/23 11:00	1859.33	9/9/23 11:00	1871.33
9/9/23 12:00	1907.47	9/9/23 12:11	1900.77	9/9/23 12:00	1859.33	9/9/23 12:00	1871.33
9/9/23 13:00	1907.46	9/9/23 13:11	1900.79	9/9/23 13:00	1859.31	9/9/23 13:00	1871.33
9/9/23 14:00	1907.47	9/9/23 14:11	1900.79	9/9/23 14:00	1859.31	9/9/23 14:00	1871.33
9/9/23 15:00	1907.47	9/9/23 15:11	1900.79	9/9/23 15:00	1859.32	9/9/23 15:00	1871.32
9/9/23 16:00	1907.50	9/9/23 16:11	1900.81	9/9/23 16:00	1859.28	9/9/23 16:00	1871.36
9/9/23 17:00	1907.47	9/9/23 17:11	1900.78	9/9/23 17:00	1859.34	9/9/23 17:00	1871.33
9/9/23 18:00	1907.49	9/9/23 18:11	1900.81	9/9/23 18:00	1859.35	9/9/23 18:00	1871.35
9/9/23 19:00	1907.48	9/9/23 19:11	1900.83	9/9/23 19:00	1859.32	9/9/23 19:00	1871.34
9/9/23 20:00	1907.49	9/9/23 20:11	1900.83	9/9/23 20:00	1859.35	9/9/23 20:00	1871.36
9/9/23 21:00	1907.50	9/9/23 21:11	1900.81	9/9/23 21:00	1859.33	9/9/23 21:00	1871.36
9/9/23 22:00	1907.49	9/9/23 22:11	1900.85	9/9/23 22:00	1859.37	9/9/23 22:00	1871.36
9/9/23 23:00	1907.48	9/9/23 23:11	1900.77	9/9/23 23:00	1859.36	9/9/23 23:00	1871.34
9/10/23 0:00	1907.51	9/10/23 0:11	1900.80	9/10/23 0:00	1859.33	9/10/23 0:00	1871.38
9/10/23 1:00	1907.53	9/10/23 1:11	1900.85	9/10/23 1:00	1859.33	9/10/23 1:00	1871.36
9/10/23 2:00	1907.51	9/10/23 2:11	1900.82	9/10/23 2:00	1859.35	9/10/23 2:00	1871.38
9/10/23 3:00	1907.53	9/10/23 3:11	1900.81	9/10/23 3:00	1859.35	9/10/23 3:00	1871.37
9/10/23 4:00	1907.52	9/10/23 4:11	1900.79	9/10/23 4:00	1859.37	9/10/23 4:00	1871.35
9/10/23 5:00	1907.53	9/10/23 5:11	1900.85	9/10/23 5:00	1859.37	9/10/23 5:00	1871.38
9/10/23 6:00	1907.53	9/10/23 6:11	1900.84	9/10/23 6:00	1859.35	9/10/23 6:00	1871.39
9/10/23 7:00	1907.51	9/10/23 7:11	1900.82	9/10/23 7:00	1859.33	9/10/23 7:00	1871.38
9/10/23 8:00	1907.54	9/10/23 8:11	1900.79	9/10/23 8:00	1859.32	9/10/23 8:00	1871.38
9/10/23 9:00	1907.53	9/10/23 9:11	1900.80	9/10/23 9:00	1859.34	9/10/23 9:00	1871.37
9/10/23 10:00	1907.53	9/10/23 10:11	1900.77	9/10/23 10:00	1859.33	9/10/23 10:00	1871.36

MW-A Transducer	Ground Elv = 1912.81	MW-B Transducer	Ground Elv = 1906.23	MW-C Transducer	Ground Elv = 1871.12	MW-D Transducer	Ground Elv = 1874.15
9/10/23 11:00	1907.52	9/10/23 11:11	1900.77	9/10/23 11:00	1859.31	9/10/23 11:00	1871.35
9/10/23 12:00	1907.51	9/10/23 12:11	1900.77	9/10/23 12:00	1859.31	9/10/23 12:00	1871.35
9/10/23 13:00	1907.51	9/10/23 13:11	1900.80	9/10/23 13:00	1859.32	9/10/23 13:00	1871.34
9/10/23 14:00	1907.51	9/10/23 14:11	1900.79	9/10/23 14:00	1859.32	9/10/23 14:00	1871.34
9/10/23 15:00	1907.52	9/10/23 15:11	1900.87	9/10/23 15:00	1859.35	9/10/23 15:00	1871.35
9/10/23 16:00	1907.51	9/10/23 16:11	1900.85	9/10/23 16:00	1859.33	9/10/23 16:00	1871.35
9/10/23 17:00	1907.53	9/10/23 17:11	1900.83	9/10/23 17:00	1859.33	9/10/23 17:00	1871.34
9/10/23 18:00	1907.50	9/10/23 18:11	1900.82	9/10/23 18:00	1859.32	9/10/23 18:00	1871.34
9/10/23 19:00	1907.54	9/10/23 19:11	1900.83	9/10/23 19:00	1859.36	9/10/23 19:00	1871.37
9/10/23 20:00	1907.53	9/10/23 20:11	1900.85	9/10/23 20:00	1859.35	9/10/23 20:00	1871.36
9/10/23 21:00	1907.54	9/10/23 21:11	1900.84	9/10/23 21:00	1859.35	9/10/23 21:00	1871.36
9/10/23 22:00	1907.55	9/10/23 22:11	1900.87	9/10/23 22:00	1859.34	9/10/23 22:00	1871.37
9/10/23 23:00	1907.55	9/10/23 23:11	1900.87	9/10/23 23:00	1859.37	9/10/23 23:00	1871.38
9/11/23 0:00	1907.53	9/11/23 0:11	1900.85	9/11/23 0:00	1859.35	9/11/23 0:00	1871.37
9/11/23 1:00	1907.57	9/11/23 1:11	1900.85	9/11/23 1:00	1859.35	9/11/23 1:00	1871.41
9/11/23 2:00	1907.56	9/11/23 2:11	1900.83	9/11/23 2:00	1859.38	9/11/23 2:00	1871.38
9/11/23 3:00	1907.57	9/11/23 3:11	1900.87	9/11/23 3:00	1859.36	9/11/23 3:00	1871.38
9/11/23 4:00	1907.57	9/11/23 4:11	1900.84	9/11/23 4:00	1859.37	9/11/23 4:00	1871.38
9/11/23 5:00	1907.56	9/11/23 5:11	1900.86	9/11/23 5:00	1859.33	9/11/23 5:00	1871.41
9/11/23 6:00	1907.58	9/11/23 6:11	1900.87	9/11/23 6:00	1859.37	9/11/23 6:00	1871.37
9/11/23 7:00	1907.56	9/11/23 7:11	1900.86	9/11/23 7:00	1859.34	9/11/23 7:00	1871.39
9/11/23 8:00	1907.57	9/11/23 8:11	1900.86	9/11/23 8:00	1859.35	9/11/23 8:00	1871.41
9/11/23 9:00	1907.56	9/11/23 9:11	1900.83	9/11/23 9:00	1859.34	9/11/23 9:00	1871.38
9/11/23 10:00	1907.58	9/11/23 10:11	1900.84	9/11/23 10:00	1859.35	9/11/23 10:00	1871.39
9/11/23 11:00	1907.55	9/11/23 11:11	1900.83	9/11/23 11:00	1859.35	9/11/23 11:00	1871.38
9/11/23 12:00	1907.55	9/11/23 12:11	1900.81	9/11/23 12:00	1859.33	9/11/23 12:00	1871.35
9/11/23 13:00	1907.53	9/11/23 13:11	1900.87	9/11/23 13:00	1859.33	9/11/23 13:00	1871.38
9/11/23 14:00	1907.54	9/11/23 14:11	1900.83	9/11/23 14:00	1859.33	9/11/23 14:00	1871.36
9/11/23 15:00	1907.54	9/11/23 15:11	1900.85	9/11/23 15:00	1859.32	9/11/23 15:00	1871.35
9/11/23 16:00	1907.54	9/11/23 16:11	1900.83	9/11/23 16:00	1859.35	9/11/23 16:00	1871.35
9/11/23 17:00	1907.53	9/11/23 17:11	1900.84	9/11/23 17:00	1859.34	9/11/23 17:00	1871.33

MW-A Transducer	Ground Elv = 1912.81	MW-B Transducer	Ground Elv = 1906.23	MW-C Transducer	Ground Elv = 1871.12	MW-D Transducer	Ground Elv = 1874.15
9/11/23 18:00	1907.52	9/11/23 18:11	1900.86	9/11/23 18:00	1859.33	9/11/23 18:00	1871.33
9/11/23 19:00	1907.55	9/11/23 19:11	1900.87	9/11/23 19:00	1859.32	9/11/23 19:00	1871.35
9/11/23 20:00	1907.57	9/11/23 20:11	1900.85	9/11/23 20:00	1859.34	9/11/23 20:00	1871.38
9/11/23 21:00	1907.57	9/11/23 21:11	1900.92	9/11/23 21:00	1859.34	9/11/23 21:00	1871.37
9/11/23 22:00	1907.57	9/11/23 22:11	1900.90	9/11/23 22:00	1859.36	9/11/23 22:00	1871.38
9/11/23 23:00	1907.60	9/11/23 23:11	1900.92	9/11/23 23:00	1859.38	9/11/23 23:00	1871.38
9/12/23 0:00	1907.57	9/12/23 0:11	1900.86	9/12/23 0:00	1859.35	9/12/23 0:00	1871.36
9/12/23 1:00	1907.57	9/12/23 1:11	1900.85	9/12/23 1:00	1859.35	9/12/23 1:00	1871.39
9/12/23 2:00	1907.58	9/12/23 2:11	1900.86	9/12/23 2:00	1859.38	9/12/23 2:00	1871.37
9/12/23 3:00	1907.59	9/12/23 3:11	1900.87	9/12/23 3:00	1859.38	9/12/23 3:00	1871.39
9/12/23 4:00	1907.60	9/12/23 4:11	1900.92	9/12/23 4:00	1859.36	9/12/23 4:00	1871.37
9/12/23 5:00	1907.61	9/12/23 5:11	1900.89	9/12/23 5:00	1859.37	9/12/23 5:00	1871.39
9/12/23 6:00	1907.58	9/12/23 6:11	1900.92	9/12/23 6:00	1859.36	9/12/23 6:00	1871.42
9/12/23 7:00	1907.61	9/12/23 7:11	1900.89	9/12/23 7:00	1859.38	9/12/23 7:00	1871.39
9/12/23 8:00	1907.57	9/12/23 8:11	1900.87	9/12/23 8:00	1859.35	9/12/23 8:00	1871.39
9/12/23 9:00	1907.59	9/12/23 9:11	1900.87	9/12/23 9:00	1859.34	9/12/23 9:00	1871.38
9/12/23 10:00	1907.57	9/12/23 10:11	1900.88	9/12/23 10:00	1859.35	9/12/23 10:00	1871.37
9/12/23 11:00	1907.58	9/12/23 11:11	1900.87	9/12/23 11:00	1859.34	9/12/23 11:00	1871.38
9/12/23 12:00	1907.57	9/12/23 12:11	1900.82	9/12/23 12:00	1859.34	9/12/23 12:00	1871.35
9/12/23 13:00	1907.54	9/12/23 13:11	1900.84	9/12/23 13:00	1859.29	9/12/23 13:00	1871.34
9/12/23 14:00	1907.54	9/12/23 14:11	1900.80	9/12/23 14:00	1859.33	9/12/23 14:00	1871.33
9/12/23 15:00	1907.55	9/12/23 15:11	1900.85	9/12/23 15:00	1859.32	9/12/23 15:00	1871.35
9/12/23 16:00	1907.51	9/12/23 16:11	1900.84	9/12/23 16:00	1859.31	9/12/23 16:00	1871.36
9/12/23 17:00	1907.55	9/12/23 17:11	1900.83	9/12/23 17:00	1859.33	9/12/23 17:00	1871.36
9/12/23 18:00	1907.55	9/12/23 18:11	1900.90	9/12/23 18:00	1859.32	9/12/23 18:00	1871.36
9/12/23 19:00	1907.54	9/12/23 19:11	1900.86	9/12/23 19:00	1859.31	9/12/23 19:00	1871.39
9/12/23 20:00	1907.58	9/12/23 20:11	1900.87	9/12/23 20:00	1859.35	9/12/23 20:00	1871.36
9/12/23 21:00	1907.56	9/12/23 21:11	1900.86	9/12/23 21:00	1859.35	9/12/23 21:00	1871.37
9/12/23 22:00	1907.56	9/12/23 22:11	1900.87	9/12/23 22:00	1859.35	9/12/23 22:00	1871.34
9/12/23 23:00	1907.57	9/12/23 23:11	1900.90	9/12/23 23:00	1859.36	9/12/23 23:00	1871.38
9/13/23 0:00	1907.58	9/13/23 0:11	1900.92	9/13/23 0:00	1859.37	9/13/23 0:00	1871.37
9/13/23 1:00	1907.56	9/13/23 1:11	1900.86	9/13/23 1:00	1859.36	9/13/23 1:00	1871.38

MW-A Transducer	Ground Elv = 1912.81	MW-B Transducer	Ground Elv = 1906.23	MW-C Transducer	Ground Elv = 1871.12	MW-D Transducer	Ground Elv = 1874.15
9/13/23 2:00	1907.58	9/13/23 2:11	1900.90	9/13/23 2:00	1859.37	9/13/23 2:00	1871.36
9/13/23 3:00	1907.57	9/13/23 3:11	1900.88	9/13/23 3:00	1859.37	9/13/23 3:00	1871.38
9/13/23 4:00	1907.58	9/13/23 4:11	1900.88	9/13/23 4:00	1859.35	9/13/23 4:00	1871.38
9/13/23 5:00	1907.57	9/13/23 5:11	1900.84	9/13/23 5:00	1859.36	9/13/23 5:00	1871.39
9/13/23 6:00	1907.56	9/13/23 6:11	1900.87	9/13/23 6:00	1859.39	9/13/23 6:00	1871.40
9/13/23 7:00	1907.61	9/13/23 7:11	1900.88	9/13/23 7:00	1859.34	9/13/23 7:00	1871.37
9/13/23 8:00	1907.61	9/13/23 8:11	1900.86	9/13/23 8:00	1859.35	9/13/23 8:00	1871.37
9/13/23 9:00	1907.59	9/13/23 9:11	1900.91	9/13/23 9:00	1859.35	9/13/23 9:00	1871.40
9/13/23 10:00	1907.57	9/13/23 10:11	1900.84	9/13/23 10:00	1859.33	9/13/23 10:00	1871.35
9/13/23 11:00	1907.54	9/13/23 11:11	1900.85	9/13/23 11:00	1859.34	9/13/23 11:00	1871.36
9/13/23 12:00	1907.53	9/13/23 12:11	1900.82	9/13/23 12:00	1859.32	9/13/23 12:00	1871.33
9/13/23 13:00	1907.55	9/13/23 13:11	1900.86	9/13/23 13:00	1859.30	9/13/23 13:00	1871.34
9/13/23 14:00	1907.55	9/13/23 14:11	1900.84	9/13/23 14:00	1859.32	9/13/23 14:00	1871.33
9/13/23 15:00	1907.56	9/13/23 15:11	1900.91	9/13/23 15:00	1859.33	9/13/23 15:00	1871.34
9/13/23 16:00	1907.54	9/13/23 16:11	1900.88	9/13/23 16:00	1859.32	9/13/23 16:00	1871.31
9/13/23 17:00	1907.56	9/13/23 17:11	1900.85	9/13/23 17:00	1859.32	9/13/23 17:00	1871.33
9/13/23 18:00	1907.57	9/13/23 18:11	1900.90	9/13/23 18:00	1859.33	9/13/23 18:00	1871.36
9/13/23 19:00	1907.54	9/13/23 19:11	1900.88	9/13/23 19:00	1859.35	9/13/23 19:00	1871.35
9/13/23 20:00	1907.58	9/13/23 20:11	1900.88	9/13/23 20:00	1859.36	9/13/23 20:00	1871.36
9/13/23 21:00	1907.57	9/13/23 21:11	1900.89	9/13/23 21:00	1859.33	9/13/23 21:00	1871.37
9/13/23 22:00	1907.56	9/13/23 22:11	1900.89	9/13/23 22:00	1859.34	9/13/23 22:00	1871.38
9/13/23 23:00	1907.57	9/13/23 23:11	1900.86	9/13/23 23:00	1859.32	9/13/23 23:00	1871.35
9/14/23 0:00	1907.54	9/14/23 0:11	1900.85	9/14/23 0:00	1859.33	9/14/23 0:00	1871.33
9/14/23 1:00	1907.56	9/14/23 1:11	1900.82	9/14/23 1:00	1859.33	9/14/23 1:00	1871.35
9/14/23 2:00	1907.56	9/14/23 2:11	1900.86	9/14/23 2:00	1859.33	9/14/23 2:00	1871.35
9/14/23 3:00	1907.56	9/14/23 3:11	1900.84	9/14/23 3:00	1859.35	9/14/23 3:00	1871.36
9/14/23 4:00	1907.57	9/14/23 4:11	1900.86	9/14/23 4:00	1859.35	9/14/23 4:00	1871.34
9/14/23 5:00	1907.55	9/14/23 5:11	1900.84	9/14/23 5:00	1859.34	9/14/23 5:00	1871.35
9/14/23 6:00	1907.54	9/14/23 6:11	1900.86	9/14/23 6:00	1859.35	9/14/23 6:00	1871.38
9/14/23 7:00	1907.56	9/14/23 7:11	1900.85	9/14/23 7:00	1859.35	9/14/23 7:00	1871.38
9/14/23 8:00	1907.59	9/14/23 8:11	1900.86	9/14/23 8:00	1859.35	9/14/23 8:00	1871.38
9/14/23 9:00	1907.59	9/14/23 9:11	1900.85	9/14/23 9:00	1859.35	9/14/23 9:00	1871.37
9/14/23 10:00	1907.60	9/14/23 10:11	1900.84	9/14/23 10:00	1859.31	9/14/23 10:00	1871.35

MW-A Transducer	Ground Elv = 1912.81	MW-B Transducer	Ground Elv = 1906.23	MW-C Transducer	Ground Elv = 1871.12	MW-D Transducer	Ground Elv = 1874.15
9/14/23 11:00	1907.61	9/14/23 11:11	1900.84	9/14/23 11:00	1859.33	9/14/23 11:00	1871.34
9/14/23 12:00	1907.59	9/14/23 12:11	1900.77	9/14/23 12:00	1859.30	9/14/23 12:00	1871.34
9/14/23 13:00	1907.57	9/14/23 13:11	1900.78	9/14/23 13:00	1859.32	9/14/23 13:00	1871.33
9/14/23 14:00	1907.58	9/14/23 14:11	1900.79	9/14/23 14:00	1859.32	9/14/23 14:00	1871.31
9/14/23 15:00	1907.60	9/14/23 15:11	1900.83	9/14/23 15:00	1859.29	9/14/23 15:00	1871.33
9/14/23 16:00	1907.59	9/14/23 16:11	1900.83	9/14/23 16:00	1859.34	9/14/23 16:00	1871.33
9/14/23 17:00	1907.62	9/14/23 17:11	1900.86	9/14/23 17:00	1859.32	9/14/23 17:00	1871.34
9/14/23 18:00	1907.62	9/14/23 18:11	1900.84	9/14/23 18:00	1859.33	9/14/23 18:00	1871.33
9/14/23 19:00	1907.60	9/14/23 19:11	1900.83	9/14/23 19:00	1859.32	9/14/23 19:00	1871.34
9/14/23 20:00	1907.62	9/14/23 20:11	1900.85	9/14/23 20:00	1859.36	9/14/23 20:00	1871.36
9/14/23 21:00	1907.62	9/14/23 21:11	1900.84	9/14/23 21:00	1859.34	9/14/23 21:00	1871.36
9/14/23 22:00	1907.62	9/14/23 22:11	1900.86	9/14/23 22:00	1859.35	9/14/23 22:00	1871.38
9/14/23 23:00	1907.62	9/14/23 23:11	1900.86	9/14/23 23:00	1859.33	9/14/23 23:00	1871.35
9/15/23 0:00	1907.60	9/15/23 0:11	1900.85	9/15/23 0:00	1859.32	9/15/23 0:00	1871.35
9/15/23 1:00	1907.62	9/15/23 1:11	1900.81	9/15/23 1:00	1859.37	9/15/23 1:00	1871.36
9/15/23 2:00	1907.63	9/15/23 2:11	1900.86	9/15/23 2:00	1859.37	9/15/23 2:00	1871.38
9/15/23 3:00	1907.62	9/15/23 3:11	1900.87	9/15/23 3:00	1859.34	9/15/23 3:00	1871.36
9/15/23 4:00	1907.62	9/15/23 4:11	1900.91	9/15/23 4:00	1859.33	9/15/23 4:00	1871.36
9/15/23 5:00	1907.61	9/15/23 5:11	1900.89	9/15/23 5:00	1859.32	9/15/23 5:00	1871.37
9/15/23 6:00	1907.63	9/15/23 6:11	1900.84	9/15/23 6:00	1859.34	9/15/23 6:00	1871.40
9/15/23 7:00	1907.62	9/15/23 7:11	1900.92	9/15/23 7:00	1859.35	9/15/23 7:00	1871.40
9/15/23 8:00	1907.63	9/15/23 8:11	1900.89	9/15/23 8:00	1859.34	9/15/23 8:00	1871.40
9/15/23 9:00	1907.64	9/15/23 9:11	1900.90	9/15/23 9:00	1859.33	9/15/23 9:00	1871.39
9/15/23 10:00	1907.64	9/15/23 10:11	1900.87	9/15/23 10:00	1859.33	9/15/23 10:00	1871.38
9/15/23 11:00	1907.60	9/15/23 11:11	1900.87	9/15/23 11:00	1859.32	9/15/23 11:00	1871.41
9/15/23 12:00	1907.61	9/15/23 12:11	1900.84	9/15/23 12:00	1859.31	9/15/23 12:00	1871.36
9/15/23 13:00	1907.61	9/15/23 13:11	1900.82	9/15/23 13:00	1859.29	9/15/23 13:00	1871.35
9/15/23 14:00	1907.58	9/15/23 14:11	1900.85	9/15/23 14:00	1859.33	9/15/23 14:00	1871.35
9/15/23 15:00	1907.58	9/15/23 15:11	1900.86	9/15/23 15:00	1859.35	9/15/23 15:00	1871.35
9/15/23 16:00	1907.58	9/15/23 16:11	1900.90	9/15/23 16:00	1859.31	9/15/23 16:00	1871.34
9/15/23 17:00	1907.56	9/15/23 17:11	1900.88	9/15/23 17:00	1859.31	9/15/23 17:00	1871.35

MW-A Transducer	Ground Elv = 1912.81	MW-B Transducer	Ground Elv = 1906.23	MW-C Transducer	Ground Elv = 1871.12	MW-D Transducer	Ground Elv = 1874.15
9/15/23 18:00	1907.56	9/15/23 18:11	1900.89	9/15/23 18:00	1859.32	9/15/23 18:00	1871.37
9/15/23 19:00	1907.58	9/15/23 19:11	1900.95	9/15/23 19:00	1859.33	9/15/23 19:00	1871.36
9/15/23 20:00	1907.56	9/15/23 20:11	1900.90	9/15/23 20:00	1859.34	9/15/23 20:00	1871.39
9/15/23 21:00	1907.55	9/15/23 21:11	1900.90	9/15/23 21:00	1859.34	9/15/23 21:00	1871.39
9/15/23 22:00	1907.55	9/15/23 22:11	1900.90	9/15/23 22:00	1859.32	9/15/23 22:00	1871.37
9/15/23 23:00	1907.54	9/15/23 23:11	1900.93	9/15/23 23:00	1859.32	9/15/23 23:00	1871.39
9/16/23 0:00	1907.51	9/16/23 0:11	1900.90	9/16/23 0:00	1859.27	9/16/23 0:00	1871.39
9/16/23 1:00	1907.52	9/16/23 1:11	1900.86	9/16/23 1:00	1859.32	9/16/23 1:00	1871.39
9/16/23 2:00	1907.50	9/16/23 2:11	1900.87	9/16/23 2:00	1859.33	9/16/23 2:00	1871.38
9/16/23 3:00	1907.51	9/16/23 3:11	1900.89	9/16/23 3:00	1859.31	9/16/23 3:00	1871.40
9/16/23 4:00	1907.52	9/16/23 4:11	1900.88	9/16/23 4:00	1859.31	9/16/23 4:00	1871.39
9/16/23 5:00	1907.51	9/16/23 5:11	1900.92	9/16/23 5:00	1859.31	9/16/23 5:00	1871.39
9/16/23 6:00	1907.50	9/16/23 6:11	1900.93	9/16/23 6:00	1859.35	9/16/23 6:00	1871.38
9/16/23 7:00	1907.53	9/16/23 7:11	1900.88	9/16/23 7:00	1859.32	9/16/23 7:00	1871.38
9/16/23 8:00	1907.49	9/16/23 8:11	1900.90	9/16/23 8:00	1859.35	9/16/23 8:00	1871.41
9/16/23 9:00	1907.51	9/16/23 9:11	1900.95	9/16/23 9:00	1859.33	9/16/23 9:00	1871.41
9/16/23 10:00	1907.49	9/16/23 10:11	1900.90	9/16/23 10:00	1859.34	9/16/23 10:00	1871.40
9/16/23 11:00	1907.46	9/16/23 11:11	1900.92	9/16/23 11:00	1859.32	9/16/23 11:00	1871.38
9/16/23 12:00	1907.47	9/16/23 12:11	1900.91	9/16/23 12:00	1859.30	9/16/23 12:00	1871.40
9/16/23 13:00	1907.44	9/16/23 13:11	1900.93	9/16/23 13:00	1859.29	9/16/23 13:00	1871.38
9/16/23 14:00	1907.44	9/16/23 14:11	1900.88	9/16/23 14:00	1859.29	9/16/23 14:00	1871.36
9/16/23 15:00	1907.45	9/16/23 15:11	1900.89	9/16/23 15:00	1859.30	9/16/23 15:00	1871.38
9/16/23 16:00	1907.45	9/16/23 16:11	1900.92	9/16/23 16:00	1859.32	9/16/23 16:00	1871.38
9/16/23 17:00	1907.42	9/16/23 17:11	1900.92	9/16/23 17:00	1859.31	9/16/23 17:00	1871.37
9/16/23 18:00	1907.43	9/16/23 18:11	1900.92	9/16/23 18:00	1859.31	9/16/23 18:00	1871.37
9/16/23 19:00	1907.42	9/16/23 19:11	1900.94	9/16/23 19:00	1859.33	9/16/23 19:00	1871.38
9/16/23 20:00	1907.45	9/16/23 20:11	1900.91	9/16/23 20:00	1859.33	9/16/23 20:00	1871.39
9/16/23 21:00	1907.44	9/16/23 21:11	1900.94	9/16/23 21:00	1859.32	9/16/23 21:00	1871.40
9/16/23 22:00	1907.45	9/16/23 22:11	1900.94	9/16/23 22:00	1859.33	9/16/23 22:00	1871.39
9/16/23 23:00	1907.43	9/16/23 23:11	1900.97	9/16/23 23:00	1859.35	9/16/23 23:00	1871.40
9/17/23 0:00	1907.42	9/17/23 0:11	1900.90	9/17/23 0:00	1859.35	9/17/23 0:00	1871.41
9/17/23 1:00	1907.44	9/17/23 1:11	1900.95	9/17/23 1:00	1859.33	9/17/23 1:00	1871.41

MW-A Transducer	Ground Elv = 1912.81	MW-B Transducer	Ground Elv = 1906.23	MW-C Transducer	Ground Elv = 1871.12	MW-D Transducer	Ground Elv = 1874.15
9/17/23 2:00	1907.42	9/17/23 2:11	1900.86	9/17/23 2:00	1859.34	9/17/23 2:00	1871.41
9/17/23 3:00	1907.42	9/17/23 3:11	1900.91	9/17/23 3:00	1859.32	9/17/23 3:00	1871.41
9/17/23 4:00	1907.42	9/17/23 4:11	1900.94	9/17/23 4:00	1859.35	9/17/23 4:00	1871.40
9/17/23 5:00	1907.44	9/17/23 5:11	1900.92	9/17/23 5:00	1859.34	9/17/23 5:00	1871.39
9/17/23 6:00	1907.44	9/17/23 6:11	1900.91	9/17/23 6:00	1859.34	9/17/23 6:00	1871.41
9/17/23 7:00	1907.40	9/17/23 7:11	1900.92	9/17/23 7:00	1859.35	9/17/23 7:00	1871.43
9/17/23 8:00	1907.41	9/17/23 8:11	1900.95	9/17/23 8:00	1859.33	9/17/23 8:00	1871.40
9/17/23 9:00	1907.42	9/17/23 9:11	1900.92	9/17/23 9:00	1859.35	9/17/23 9:00	1871.41
9/17/23 10:00	1907.44	9/17/23 10:11	1900.93	9/17/23 10:00	1859.33	9/17/23 10:00	1871.40
9/17/23 11:00	1907.40	9/17/23 11:11	1900.95	9/17/23 11:00	1859.36	9/17/23 11:00	1871.42
9/17/23 12:00	1907.39	9/17/23 12:11	1900.93	9/17/23 12:00	1859.32	9/17/23 12:00	1871.39
9/17/23 13:00	1907.36	9/17/23 13:11	1900.91	9/17/23 13:00	1859.31	9/17/23 13:00	1871.34
9/17/23 14:00	1907.37	9/17/23 14:11	1900.88	9/17/23 14:00	1859.30	9/17/23 14:00	1871.38
9/17/23 15:00	1907.39	9/17/23 15:11	1900.90	9/17/23 15:00	1859.30	9/17/23 15:00	1871.38
9/17/23 16:00	1907.38	9/17/23 16:11	1900.89	9/17/23 16:00	1859.31	9/17/23 16:00	1871.36
9/17/23 17:00	1907.40	9/17/23 17:11	1900.96	9/17/23 17:00	1859.31	9/17/23 17:00	1871.39
9/17/23 18:00	1907.36	9/17/23 18:11	1900.95	9/17/23 18:00	1859.32	9/17/23 18:00	1871.36
9/17/23 19:00	1907.36	9/17/23 19:11	1900.93	9/17/23 19:00	1859.32	9/17/23 19:00	1871.38
9/17/23 20:00	1907.39	9/17/23 20:11	1901.02	9/17/23 20:00	1859.32	9/17/23 20:00	1871.39
9/17/23 21:00	1907.36	9/17/23 21:11	1900.97	9/17/23 21:00	1859.33	9/17/23 21:00	1871.38
9/17/23 22:00	1907.35	9/17/23 22:11	1900.93	9/17/23 22:00	1859.30	9/17/23 22:00	1871.39
9/17/23 23:00	1907.39	9/17/23 23:11	1900.88	9/17/23 23:00	1859.34	9/17/23 23:00	1871.39
9/18/23 0:00	1907.37	9/18/23 0:11	1900.91	9/18/23 0:00	1859.30	9/18/23 0:00	1871.38
9/18/23 1:00	1907.35	9/18/23 1:11	1900.92	9/18/23 1:00	1859.35	9/18/23 1:00	1871.38
9/18/23 2:00	1907.36	9/18/23 2:11	1900.89	9/18/23 2:00	1859.33	9/18/23 2:00	1871.39
9/18/23 3:00	1907.36	9/18/23 3:11	1900.93	9/18/23 3:00	1859.34	9/18/23 3:00	1871.41
9/18/23 4:00	1907.38	9/18/23 4:11	1900.91	9/18/23 4:00	1859.31	9/18/23 4:00	1871.42
9/18/23 5:00	1907.38	9/18/23 5:11	1900.93	9/18/23 5:00	1859.34	9/18/23 5:00	1871.40
9/18/23 6:00	1907.37	9/18/23 6:11	1900.96	9/18/23 6:00	1859.32	9/18/23 6:00	1871.39
9/18/23 7:00	1907.37	9/18/23 7:11	1900.96	9/18/23 7:00	1859.35	9/18/23 7:00	1871.42
9/18/23 8:00	1907.39	9/18/23 8:11	1900.95	9/18/23 8:00	1859.34	9/18/23 8:00	1871.41
9/18/23 9:00	1907.43	9/18/23 9:11	1900.98	9/18/23 9:00	1859.33	9/18/23 9:00	1871.43
9/18/23 10:00	1907.45	9/18/23 10:11	1900.95	9/18/23 10:00	1859.36	9/18/23 10:00	1871.43

MW-A Transducer	Ground Elv = 1912.81	MW-B Transducer	Ground Elv = 1906.23	MW-C Transducer	Ground Elv = 1871.12	MW-D Transducer	Ground Elv = 1874.15
9/18/23 11:00	1907.48	9/18/23 11:11	1900.92	9/18/23 11:00	1859.32	9/18/23 11:00	1871.41
9/18/23 12:00	1907.46	9/18/23 12:11	1900.92	9/18/23 12:00	1859.30	9/18/23 12:00	1871.39
9/18/23 13:00	1907.48	9/18/23 13:11	1900.95	9/18/23 13:00	1859.29	9/18/23 13:00	1871.35
9/18/23 14:00	1907.49	9/18/23 14:11	1900.97	9/18/23 14:00	1859.29	9/18/23 14:00	1871.37
9/18/23 15:00	1907.53	9/18/23 15:11	1900.94	9/18/23 15:00	1859.33	9/18/23 15:00	1871.38
9/18/23 16:00	1907.51	9/18/23 16:11	1900.96	9/18/23 16:00	1859.29	9/18/23 16:00	1871.39
9/18/23 17:00	1907.54	9/18/23 17:11	1900.95	9/18/23 17:00	1859.30	9/18/23 17:00	1871.36
9/18/23 18:00	1907.57	9/18/23 18:11	1901.00	9/18/23 18:00	1859.32	9/18/23 18:00	1871.37
9/18/23 19:00	1907.59	9/18/23 19:11	1900.98	9/18/23 19:00	1859.31	9/18/23 19:00	1871.39
9/18/23 20:00	1907.61	9/18/23 20:11	1901.01	9/18/23 20:00	1859.32	9/18/23 20:00	1871.38
9/18/23 21:00	1907.60	9/18/23 21:11	1901.02	9/18/23 21:00	1859.35	9/18/23 21:00	1871.41
9/18/23 22:00	1907.62	9/18/23 22:11	1901.03	9/18/23 22:00	1859.34	9/18/23 22:00	1871.41
9/18/23 23:00	1907.61	9/18/23 23:11	1901.00	9/18/23 23:00	1859.31	9/18/23 23:00	1871.38
9/19/23 0:00	1907.61	9/19/23 0:11	1901.00	9/19/23 0:00	1859.30	9/19/23 0:00	1871.39
9/19/23 1:00	1907.63	9/19/23 1:11	1900.98	9/19/23 1:00	1859.30	9/19/23 1:00	1871.40
9/19/23 2:00	1907.62	9/19/23 2:11	1900.98	9/19/23 2:00	1859.31	9/19/23 2:00	1871.39
9/19/23 3:00	1907.62	9/19/23 3:11	1900.98	9/19/23 3:00	1859.32	9/19/23 3:00	1871.37
9/19/23 4:00	1907.63	9/19/23 4:11	1900.98	9/19/23 4:00	1859.29	9/19/23 4:00	1871.39
9/19/23 5:00	1907.62	9/19/23 5:11	1901.01	9/19/23 5:00	1859.29	9/19/23 5:00	1871.39
9/19/23 6:00	1907.62	9/19/23 6:11	1900.98	9/19/23 6:00	1859.30	9/19/23 6:00	1871.41
9/19/23 7:00	1907.66	9/19/23 7:11	1901.03	9/19/23 7:00	1859.27	9/19/23 7:00	1871.39
9/19/23 8:00	1907.66	9/19/23 8:11	1901.01	9/19/23 8:00	1859.29	9/19/23 8:00	1871.40
9/19/23 9:00	1907.68	9/19/23 9:11	1900.99	9/19/23 9:00	1859.30	9/19/23 9:00	1871.43
9/19/23 10:00	1907.71	9/19/23 10:11	1901.02	9/19/23 10:00	1859.30	9/19/23 10:00	1871.39
9/19/23 11:00	1907.76	9/19/23 11:11	1901.08	9/19/23 11:00	1859.29	9/19/23 11:00	1871.41
9/19/23 12:00	1907.79	9/19/23 12:11	1901.09	9/19/23 12:00	1859.32	9/19/23 12:00	1871.43
9/19/23 13:00	1907.79	9/19/23 13:11	1901.07	9/19/23 13:00	1859.25	9/19/23 13:00	1871.40
9/19/23 14:00	1907.83	9/19/23 14:11	1901.07	9/19/23 14:00	1859.28	9/19/23 14:00	1871.40
9/19/23 15:00	1907.86	9/19/23 15:11	1901.14	9/19/23 15:00	1859.31	9/19/23 15:00	1871.41
9/19/23 16:00	1907.88	9/19/23 16:11	1901.11	9/19/23 16:00	1859.31	9/19/23 16:00	1871.40
9/19/23 17:00	1907.90	9/19/23 17:11	1901.13	9/19/23 17:00	1859.34	9/19/23 17:00	1871.41

MW-A Transducer	Ground Elv = 1912.81	MW-B Transducer	Ground Elv = 1906.23	MW-C Transducer	Ground Elv = 1871.12	MW-D Transducer	Ground Elv = 1874.15
9/19/23 18:00	1907.93	9/19/23 18:11	1901.16	9/19/23 18:00	1859.32	9/19/23 18:00	1871.43
9/19/23 19:00	1907.96	9/19/23 19:11	1901.14	9/19/23 19:00	1859.32	9/19/23 19:00	1871.44
9/19/23 20:00	1908.01	9/19/23 20:11	1901.19	9/19/23 20:00	1859.36	9/19/23 20:00	1871.45
9/19/23 21:00	1907.99	9/19/23 21:11	1901.24	9/19/23 21:00	1859.36	9/19/23 21:00	1871.44
9/19/23 22:00	1908.04	9/19/23 22:11	1901.18	9/19/23 22:00	1859.38	9/19/23 22:00	1871.45
9/19/23 23:00	1908.06	9/19/23 23:11	1901.21	9/19/23 23:00	1859.38	9/19/23 23:00	1871.43
9/20/23 0:00	1908.05	9/20/23 0:11	1901.27	9/20/23 0:00	1859.34	9/20/23 0:00	1871.45
9/20/23 1:00	1908.06	9/20/23 1:11	1901.28	9/20/23 1:00	1859.35	9/20/23 1:00	1871.44
9/20/23 2:00	1908.06	9/20/23 2:11	1901.27	9/20/23 2:00	1859.35	9/20/23 2:00	1871.44
9/20/23 3:00	1908.07	9/20/23 3:11	1901.21	9/20/23 3:00	1859.40	9/20/23 3:00	1871.44
9/20/23 4:00	1908.09	9/20/23 4:11	1901.25	9/20/23 4:00	1859.41	9/20/23 4:00	1871.49
9/20/23 5:00	1908.12	9/20/23 5:11	1901.22	9/20/23 5:00	1859.40	9/20/23 5:00	1871.45
9/20/23 6:00	1908.14	9/20/23 6:11	1901.27	9/20/23 6:00	1859.43	9/20/23 6:00	1871.46
9/20/23 7:00	1908.16	9/20/23 7:11	1901.24	9/20/23 7:00	1859.41	9/20/23 7:00	1871.45
9/20/23 8:00	1908.20	9/20/23 8:11	1901.26	9/20/23 8:00	1859.43	9/20/23 8:00	1871.45
9/20/23 9:00	1908.22	9/20/23 9:11	1901.27	9/20/23 9:00	1859.41	9/20/23 9:00	1871.45
9/20/23 10:00	1908.23	9/20/23 10:11	1901.24	9/20/23 10:00	1859.40	9/20/23 10:00	1871.47
9/20/23 11:00	1908.23	9/20/23 11:11	1901.30	9/20/23 11:00	1859.42	9/20/23 11:00	1871.40
9/20/23 12:00	1908.28	9/20/23 12:11	1901.36	9/20/23 12:00	1859.28	9/20/23 12:00	1871.34
9/20/23 13:00	1908.28	9/20/23 13:11	1901.39	9/20/23 13:00	1859.53	9/20/23 13:00	1871.38
9/20/23 14:00	1908.29	9/20/23 14:11	1901.41	9/20/23 14:00	1859.52	9/20/23 14:00	1871.34
9/20/23 15:00	1908.34	9/20/23 15:11	1901.42	9/20/23 15:00	1859.54	9/20/23 15:00	1871.38
9/20/23 16:00	1908.34	9/20/23 16:11	1901.40	9/20/23 16:00	1859.53	9/20/23 16:00	1871.36
9/20/23 17:00	1908.37	9/20/23 17:11	1901.41	9/20/23 17:00	1859.52	9/20/23 17:00	1871.37
9/20/23 18:00	1908.37	9/20/23 18:11	1901.44	9/20/23 18:00	1859.57	9/20/23 18:00	1871.34
9/20/23 19:00	1908.38	9/20/23 19:11	1901.44	9/20/23 19:00	1859.55	9/20/23 19:00	1871.36
9/20/23 20:00	1908.40	9/20/23 20:11	1901.40	9/20/23 20:00	1859.54	9/20/23 20:00	1871.35
9/20/23 21:00	1908.40	9/20/23 21:11	1901.42	9/20/23 21:00	1859.56	9/20/23 21:00	1871.36
9/20/23 22:00	1908.43	9/20/23 22:11	1901.49	9/20/23 22:00	1859.58	9/20/23 22:00	1871.35
9/20/23 23:00	1908.41	9/20/23 23:11	1901.47	9/20/23 23:00	1859.57	9/20/23 23:00	1871.35
9/21/23 0:00	1908.43	9/21/23 0:11	1901.45	9/21/23 0:00	1859.57	9/21/23 0:00	1871.36
9/21/23 1:00	1908.38	9/21/23 1:11	1901.44	9/21/23 1:00	1859.59	9/21/23 1:00	1871.34

MW-A Transducer	Ground Elv = 1912.81	MW-B Transducer	Ground Elv = 1906.23	MW-C Transducer	Ground Elv = 1871.12	MW-D Transducer	Ground Elv = 1874.15
9/21/23 2:00	1908.41	9/21/23 2:11	1901.45	9/21/23 2:00	1859.64	9/21/23 2:00	1871.35
9/21/23 3:00	1908.43	9/21/23 3:11	1901.49	9/21/23 3:00	1859.60	9/21/23 3:00	1871.37
9/21/23 4:00	1908.43	9/21/23 4:11	1901.47	9/21/23 4:00	1859.63	9/21/23 4:00	1871.36
9/21/23 5:00	1908.45	9/21/23 5:11	1901.46	9/21/23 5:00	1859.65	9/21/23 5:00	1871.36
9/21/23 6:00	1908.43	9/21/23 6:11	1901.46	9/21/23 6:00	1859.66	9/21/23 6:00	1871.37
9/21/23 7:00	1908.46	9/21/23 7:11	1901.46	9/21/23 7:00	1859.68	9/21/23 7:00	1871.37
9/21/23 8:00	1908.42	9/21/23 8:11	1901.46	9/21/23 8:00	1859.69	9/21/23 8:00	1871.37
9/21/23 9:00	1908.45	9/21/23 9:11	1901.48	9/21/23 9:00	1859.70	9/21/23 9:00	1871.37
9/21/23 10:00	1908.49	9/21/23 10:11	1901.48	9/21/23 10:00	1859.73	9/21/23 10:00	1871.38
9/21/23 11:00	1908.51	9/21/23 11:11	1901.49	9/21/23 11:00	1859.74	9/21/23 11:00	1871.32
9/21/23 12:00	1908.51	9/21/23 12:11	1901.47	9/21/23 12:00	1859.74	9/21/23 12:00	1871.30
9/21/23 13:00	1908.51	9/21/23 13:11	1901.44	9/21/23 13:00	1859.74	9/21/23 13:00	1871.30
9/21/23 14:00	1908.53	9/21/23 14:11	1901.49	9/21/23 14:00	1859.78	9/21/23 14:00	1871.30
9/21/23 15:00	1908.55	9/21/23 15:11	1901.52	9/21/23 15:00	1859.77	9/21/23 15:00	1871.30
9/21/23 16:00	1908.55	9/21/23 16:11	1901.53	9/21/23 16:00	1859.83	9/21/23 16:00	1871.31
9/21/23 17:00	1908.62	9/21/23 17:11	1901.50	9/21/23 17:00	1859.85	9/21/23 17:00	1871.33
9/21/23 18:00	1908.60	9/21/23 18:11	1901.51	9/21/23 18:00	1859.87	9/21/23 18:00	1871.35
9/21/23 19:00	1908.62	9/21/23 19:11	1901.54	9/21/23 19:00	1859.87	9/21/23 19:00	1871.34
9/21/23 20:00	1908.63	9/21/23 20:11	1901.54	9/21/23 20:00	1859.91	9/21/23 20:00	1871.34
9/21/23 21:00	1908.61	9/21/23 21:11	1901.57	9/21/23 21:00	1859.93	9/21/23 21:00	1871.33
9/21/23 22:00	1908.61	9/21/23 22:11	1901.53	9/21/23 22:00	1859.94	9/21/23 22:00	1871.33
9/21/23 23:00	1908.63	9/21/23 23:11	1901.57	9/21/23 23:00	1860.01	9/21/23 23:00	1871.31
9/22/23 0:00	1908.61	9/22/23 0:11	1901.60	9/22/23 0:00	1859.97	9/22/23 0:00	1871.34
9/22/23 1:00	1908.63	9/22/23 1:11	1901.59	9/22/23 1:00	1860.02	9/22/23 1:00	1871.33
9/22/23 2:00	1908.61	9/22/23 2:11	1901.62	9/22/23 2:00	1860.06	9/22/23 2:00	1871.31
9/22/23 3:00	1908.59	9/22/23 3:11	1901.60	9/22/23 3:00	1860.05	9/22/23 3:00	1871.35
9/22/23 4:00	1908.61	9/22/23 4:11	1901.58	9/22/23 4:00	1860.08	9/22/23 4:00	1871.37
9/22/23 5:00	1908.61	9/22/23 5:11	1901.59	9/22/23 5:00	1860.15	9/22/23 5:00	1871.34
9/22/23 6:00	1908.60	9/22/23 6:11	1901.58	9/22/23 6:00	1860.14	9/22/23 6:00	1871.33
9/22/23 7:00	1908.60	9/22/23 7:11	1901.61	9/22/23 7:00	1860.16	9/22/23 7:00	1871.36
9/22/23 8:00	1908.61	9/22/23 8:11	1901.60	9/22/23 8:00	1860.23	9/22/23 8:00	1871.36
9/22/23 9:00	1908.63	9/22/23 9:11	1901.61	9/22/23 9:00	1860.25	9/22/23 9:00	1871.33
9/22/23 10:00	1908.65	9/22/23 10:11	1901.63	9/22/23 10:00	1860.26	9/22/23 10:00	1871.35

MW-A Transducer	Ground Elv = 1912.81	MW-B Transducer	Ground Elv = 1906.23	MW-C Transducer	Ground Elv = 1871.12	MW-D Transducer	Ground Elv = 1874.15
9/22/23 11:00	1908.65	9/22/23 11:11	1901.59	9/22/23 11:00	1860.29	9/22/23 11:00	1871.33
9/22/23 12:00	1908.65	9/22/23 12:11	1901.66	9/22/23 12:00	1860.31	9/22/23 12:00	1871.33
9/22/23 13:00	1908.66	9/22/23 13:11	1901.60	9/22/23 13:00	1860.37	9/22/23 13:00	1871.33
9/22/23 14:00	1908.67	9/22/23 14:11	1901.66	9/22/23 14:00	1860.38	9/22/23 14:00	1871.33
9/22/23 15:00	1908.69	9/22/23 15:11	1901.63	9/22/23 15:00	1860.38	9/22/23 15:00	1871.33
9/22/23 16:00	1908.69	9/22/23 16:11	1901.61	9/22/23 16:00	1860.42	9/22/23 16:00	1871.34
9/22/23 17:00	1908.71	9/22/23 17:11	1901.65	9/22/23 17:00	1860.47	9/22/23 17:00	1871.36
9/22/23 18:00	1908.70	9/22/23 18:11	1901.68	9/22/23 18:00	1860.47	9/22/23 18:00	1871.37
9/22/23 19:00	1908.72	9/22/23 19:11	1901.71	9/22/23 19:00	1860.51	9/22/23 19:00	1871.38
9/22/23 20:00	1908.76	9/22/23 20:11	1901.71	9/22/23 20:00	1860.54	9/22/23 20:00	1871.38
9/22/23 21:00	1908.74	9/22/23 21:11	1901.65	9/22/23 21:00	1860.57	9/22/23 21:00	1871.37
9/22/23 22:00	1908.74	9/22/23 22:11	1901.74	9/22/23 22:00	1860.59	9/22/23 22:00	1871.39
9/22/23 23:00	1908.74	9/22/23 23:11	1901.70	9/22/23 23:00	1860.64	9/22/23 23:00	1871.40
9/23/23 0:00	1908.71	9/23/23 0:11	1901.71	9/23/23 0:00	1860.66	9/23/23 0:00	1871.42
9/23/23 1:00	1908.71	9/23/23 1:11	1901.70	9/23/23 1:00	1860.70	9/23/23 1:00	1871.42
9/23/23 2:00	1908.72	9/23/23 2:11	1901.69	9/23/23 2:00	1860.73	9/23/23 2:00	1871.42
9/23/23 3:00	1908.70	9/23/23 3:11	1901.73	9/23/23 3:00	1860.79	9/23/23 3:00	1871.44
9/23/23 4:00	1908.71	9/23/23 4:11	1901.78	9/23/23 4:00	1860.82	9/23/23 4:00	1871.44
9/23/23 5:00	1908.70	9/23/23 5:11	1901.72	9/23/23 5:00	1860.87	9/23/23 5:00	1871.42
9/23/23 6:00	1908.70	9/23/23 6:11	1901.75	9/23/23 6:00	1860.91	9/23/23 6:00	1871.45
9/23/23 7:00	1908.70	9/23/23 7:11	1901.70	9/23/23 7:00	1860.92	9/23/23 7:00	1871.47
9/23/23 8:00	1908.71	9/23/23 8:11	1901.73	9/23/23 8:00	1860.99	9/23/23 8:00	1871.49
9/23/23 9:00	1908.70	9/23/23 9:11	1901.73	9/23/23 9:00	1861.03	9/23/23 9:00	1871.48
9/23/23 10:00	1908.70	9/23/23 10:11	1901.71	9/23/23 10:00	1861.00	9/23/23 10:00	1871.47
9/23/23 11:00	1908.70	9/23/23 11:11	1901.72	9/23/23 11:00	1861.05	9/23/23 11:00	1871.47
9/23/23 12:00	1908.73	9/23/23 12:11	1901.70	9/23/23 12:00	1861.10	9/23/23 12:00	1871.51
9/23/23 13:00	1908.73	9/23/23 13:11	1901.77	9/23/23 13:00	1861.14	9/23/23 13:00	1871.51
9/23/23 14:00	1908.74	9/23/23 14:11	1901.75	9/23/23 14:00	1861.19	9/23/23 14:00	1871.52
9/23/23 15:00	1908.72	9/23/23 15:11	1901.73	9/23/23 15:00	1861.20	9/23/23 15:00	1871.52
9/23/23 16:00	1908.73	9/23/23 16:11	1901.75	9/23/23 16:00	1861.27	9/23/23 16:00	1871.52
9/23/23 17:00	1908.73	9/23/23 17:11	1901.77	9/23/23 17:00	1861.28	9/23/23 17:00	1871.51

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MW-A Transducer	Ground Elv = 1912.81	MW-B Transducer	Ground Elv = 1906.23	MW-C Transducer	Ground Elv = 1871.12	MW-D Transducer	Ground Elv = 1874.15
9/23/23 18:00	1908.76	9/23/23 18:11	1901.74	9/23/23 18:00	1861.34	9/23/23 18:00	1871.57
9/23/23 19:00	1908.75	9/23/23 19:11	1901.76	9/23/23 19:00	1861.35	9/23/23 19:00	1871.56
9/23/23 20:00	1908.73	9/23/23 20:11	1901.79	9/23/23 20:00	1861.41	9/23/23 20:00	1871.56
9/23/23 21:00	1908.74	9/23/23 21:11	1901.78	9/23/23 21:00	1861.44	9/23/23 21:00	1871.58
9/23/23 22:00	1908.73	9/23/23 22:11	1901.80	9/23/23 22:00	1861.45	9/23/23 22:00	1871.58
9/23/23 23:00	1908.74	9/23/23 23:11	1901.82	9/23/23 23:00	1861.49	9/23/23 23:00	1871.59
9/24/23 0:00	1908.74	9/24/23 0:11	1901.79	9/24/23 0:00	1861.52	9/24/23 0:00	1871.60
9/24/23 1:00	1908.74	9/24/23 1:11	1901.87	9/24/23 1:00	1861.61	9/24/23 1:00	1871.61
9/24/23 2:00	1908.73	9/24/23 2:11	1901.84	9/24/23 2:00	1861.61	9/24/23 2:00	1871.63
9/24/23 3:00	1908.71	9/24/23 3:11	1901.85	9/24/23 3:00	1861.69	9/24/23 3:00	1871.64
9/24/23 4:00	1908.74	9/24/23 4:11	1901.85	9/24/23 4:00	1861.71	9/24/23 4:00	1871.64
9/24/23 5:00	1908.68	9/24/23 5:11	1901.80	9/24/23 5:00	1861.75	9/24/23 5:00	1871.65
9/24/23 6:00	1908.70	9/24/23 6:11	1901.87	9/24/23 6:00	1861.83	9/24/23 6:00	1871.65
9/24/23 7:00	1908.70	9/24/23 7:11	1901.81	9/24/23 7:00	1861.82	9/24/23 7:00	1871.67
9/24/23 8:00	1908.70	9/24/23 8:11	1901.82	9/24/23 8:00	1861.86	9/24/23 8:00	1871.68
9/24/23 9:00	1908.71	9/24/23 9:11	1901.82	9/24/23 9:00	1861.90	9/24/23 9:00	1871.67
9/24/23 10:00	1908.70	9/24/23 10:11	1901.85	9/24/23 10:00	1861.95	9/24/23 10:00	1871.68
9/24/23 11:00	1908.72	9/24/23 11:11	1901.79	9/24/23 11:00	1861.98	9/24/23 11:00	1871.70
9/24/23 12:00	1908.72	9/24/23 12:11	1901.85	9/24/23 12:00	1862.02	9/24/23 12:00	1871.72
9/24/23 13:00	1908.73	9/24/23 13:11	1901.81	9/24/23 13:00	1862.03	9/24/23 13:00	1871.70
9/24/23 14:00	1908.73	9/24/23 14:11	1901.90	9/24/23 14:00	1862.11	9/24/23 14:00	1871.75
9/24/23 15:00	1908.76	9/24/23 15:11	1901.87	9/24/23 15:00	1862.13	9/24/23 15:00	1871.76
9/24/23 16:00	1908.76	9/24/23 16:11	1901.86	9/24/23 16:00	1862.14	9/24/23 16:00	1871.78
9/24/23 17:00	1908.77	9/24/23 17:11	1901.91	9/24/23 17:00	1862.21	9/24/23 17:00	1871.77
9/24/23 18:00	1908.76	9/24/23 18:11	1901.93	9/24/23 18:00	1862.24	9/24/23 18:00	1871.79
9/24/23 19:00	1908.76	9/24/23 19:11	1901.91	9/24/23 19:00	1862.29	9/24/23 19:00	1871.80
9/24/23 20:00	1908.79	9/24/23 20:11	1901.90	9/24/23 20:00	1862.32	9/24/23 20:00	1871.80
9/24/23 21:00	1908.77	9/24/23 21:11	1901.92	9/24/23 21:00	1862.33	9/24/23 21:00	1871.83
9/24/23 22:00	1908.76	9/24/23 22:11	1901.92	9/24/23 22:00	1862.38	9/24/23 22:00	1871.83
9/24/23 23:00	1908.75	9/24/23 23:11	1901.94	9/24/23 23:00	1862.41	9/24/23 23:00	1871.83
9/25/23 0:00	1908.79	9/25/23 0:11	1901.94	9/25/23 0:00	1862.45	9/25/23 0:00	1871.87
9/25/23 1:00	1908.74	9/25/23 1:11	1901.94	9/25/23 1:00	1862.47	9/25/23 1:00	1871.88

MW-A Transducer	Ground Elv = 1912.81	MW-B Transducer	Ground Elv = 1906.23	MW-C Transducer	Ground Elv = 1871.12	MW-D Transducer	Ground Elv = 1874.15
9/25/23 2:00	1908.77	9/25/23 2:11	1901.96	9/25/23 2:00	1862.54	9/25/23 2:00	1871.90
9/25/23 3:00	1908.76	9/25/23 3:11	1901.97	9/25/23 3:00	1862.58	9/25/23 3:00	1871.90
9/25/23 4:00	1908.74	9/25/23 4:11	1901.97	9/25/23 4:00	1862.60	9/25/23 4:00	1871.93
9/25/23 5:00	1908.76	9/25/23 5:11	1901.93	9/25/23 5:00	1862.68	9/25/23 5:00	1871.93
9/25/23 6:00	1908.76	9/25/23 6:11	1901.97	9/25/23 6:00	1862.71	9/25/23 6:00	1871.95
9/25/23 7:00	1908.76	9/25/23 7:11	1901.97	9/25/23 7:00	1862.76	9/25/23 7:00	1871.95
9/25/23 8:00	1908.76	9/25/23 8:11	1901.96	9/25/23 8:00	1862.80	9/25/23 8:00	1871.97
9/25/23 9:00	1908.78	9/25/23 9:11	1901.93	9/25/23 9:00	1862.84	9/25/23 9:00	1872.11
9/25/23 10:00	1908.74	9/25/23 10:11	1901.95	9/25/23 10:00	1862.88	9/25/23 10:00	1872.11
9/25/23 11:00	1908.76	9/25/23 11:11	1902.01	9/25/23 11:00	1862.93	9/25/23 11:00	1872.15
9/25/23 12:00	1908.74	9/25/23 12:11	1902.01	9/25/23 12:00	1862.96	9/25/23 12:00	1872.16
9/25/23 13:00	1908.72	9/25/23 13:11	1901.94	9/25/23 13:00	1863.04	9/25/23 13:00	1872.16
9/25/23 14:00	1908.75	9/25/23 14:11	1902.02	9/25/23 14:00	1863.05	9/25/23 14:00	1872.16
9/25/23 15:00	1908.73	9/25/23 15:11	1901.95	9/25/23 15:00	1863.08	9/25/23 15:00	1872.17
9/25/23 16:00	1908.72	9/25/23 16:11	1901.99	9/25/23 16:00	1863.06	9/25/23 16:00	1872.19
9/25/23 17:00	1908.73	9/25/23 17:11	1902.05	9/25/23 17:00	1863.09	9/25/23 17:00	1872.23
9/25/23 18:00	1908.73	9/25/23 18:11	1902.02	9/25/23 18:00	1863.09	9/25/23 18:00	1872.24
9/25/23 19:00	1908.69	9/25/23 19:11	1901.97	9/25/23 19:00	1863.14	9/25/23 19:00	1872.21
9/25/23 20:00	1908.68	9/25/23 20:11	1901.98	9/25/23 20:00	1863.11	9/25/23 20:00	1872.24
9/25/23 21:00	1908.68	9/25/23 21:11	1901.95	9/25/23 21:00	1863.10	9/25/23 21:00	1872.26
9/25/23 22:00	1908.69	9/25/23 22:11	1901.97	9/25/23 22:00	1863.14	9/25/23 22:00	1872.27
9/25/23 23:00	1908.65	9/25/23 23:11	1901.96	9/25/23 23:00	1863.13	9/25/23 23:00	1872.27
9/26/23 0:00	1908.62	9/26/23 0:11	1901.95	9/26/23 0:00	1863.17	9/26/23 0:00	1872.28
9/26/23 1:00	1908.63	9/26/23 1:11	1901.99	9/26/23 1:00	1863.15	9/26/23 1:00	1872.27
9/26/23 2:00	1908.62	9/26/23 2:11	1901.94	9/26/23 2:00	1863.16	9/26/23 2:00	1872.29
9/26/23 3:00	1908.60	9/26/23 3:11	1901.99	9/26/23 3:00	1863.17	9/26/23 3:00	1872.29
9/26/23 4:00	1908.56	9/26/23 4:11	1901.96	9/26/23 4:00	1863.17	9/26/23 4:00	1872.33
9/26/23 5:00	1908.61	9/26/23 5:11	1901.96	9/26/23 5:00	1863.17	9/26/23 5:00	1872.34
9/26/23 6:00	1908.61	9/26/23 6:11	1901.95	9/26/23 6:00	1863.15	9/26/23 6:00	1872.33
9/26/23 7:00	1908.58	9/26/23 7:11	1901.94	9/26/23 7:00	1863.19	9/26/23 7:00	1872.35
9/26/23 8:00	1908.55	9/26/23 8:11	1901.92	9/26/23 8:00	1863.17	9/26/23 8:00	1872.33
9/26/23 9:00	1908.54	9/26/23 9:11	1901.89	9/26/23 9:00	1863.16	9/26/23 9:00	1872.32
9/26/23 10:00	1908.52	9/26/23 10:11	1901.88	9/26/23 10:00	1863.16	9/26/23 10:00	1872.34

MW-A Transducer	Ground Elv = 1912.81	MW-B Transducer	Ground Elv = 1906.23	MW-C Transducer	Ground Elv = 1871.12	MW-D Transducer	Ground Elv = 1874.15
9/26/23 11:00	1908.51	9/26/23 11:11	1901.87	9/26/23 11:00	1863.17	9/26/23 11:00	1872.36
9/26/23 12:00	1908.50	9/26/23 12:11	1901.91	9/26/23 12:00	1863.19	9/26/23 12:00	1872.35
9/26/23 13:00	1908.49	9/26/23 13:11	1901.87	9/26/23 13:00	1863.15	9/26/23 13:00	1872.33
9/26/23 14:00	1908.47	9/26/23 14:11	1901.86	9/26/23 14:00	1863.16	9/26/23 14:00	1872.36
9/26/23 15:00	1908.50	9/26/23 15:11	1901.88	9/26/23 15:00	1863.17	9/26/23 15:00	1872.35
9/26/23 16:00	1908.52	9/26/23 16:11	1901.97	9/26/23 16:00	1863.19	9/26/23 16:00	1872.37
9/26/23 17:00	1908.52	9/26/23 17:11	1901.89	9/26/23 17:00	1863.20	9/26/23 17:00	1872.38
9/26/23 18:00	1908.53	9/26/23 18:11	1901.90	9/26/23 18:00	1863.23	9/26/23 18:00	1872.38
9/26/23 19:00	1908.52	9/26/23 19:11	1901.87	9/26/23 19:00	1863.22	9/26/23 19:00	1872.40
9/26/23 20:00	1908.51	9/26/23 20:11	1901.94	9/26/23 20:00	1863.22	9/26/23 20:00	1872.41
9/26/23 21:00	1908.50	9/26/23 21:11	1901.87	9/26/23 21:00	1863.22	9/26/23 21:00	1872.40
9/26/23 22:00	1908.49	9/26/23 22:11	1901.88	9/26/23 22:00	1863.20	9/26/23 22:00	1872.42
9/26/23 23:00	1908.49	9/26/23 23:11	1901.85	9/26/23 23:00	1863.23	9/26/23 23:00	1872.42
9/27/23 0:00	1908.49	9/27/23 0:11	1901.97	9/27/23 0:00	1863.23	9/27/23 0:00	1872.44
9/27/23 1:00	1908.47	9/27/23 1:11	1901.91	9/27/23 1:00	1863.18	9/27/23 1:00	1872.43
9/27/23 2:00	1908.47	9/27/23 2:11	1901.92	9/27/23 2:00	1863.24	9/27/23 2:00	1872.45
9/27/23 3:00	1908.51	9/27/23 3:11	1901.85	9/27/23 3:00	1863.25	9/27/23 3:00	1872.42
9/27/23 4:00	1908.49	9/27/23 4:11	1901.93	9/27/23 4:00	1863.25	9/27/23 4:00	1872.44
9/27/23 5:00	1908.47	9/27/23 5:11	1901.89	9/27/23 5:00	1863.23	9/27/23 5:00	1872.48
9/27/23 6:00	1908.50	9/27/23 6:11	1901.90	9/27/23 6:00	1863.22	9/27/23 6:00	1872.48
9/27/23 7:00	1908.49	9/27/23 7:11	1901.90	9/27/23 7:00	1863.22	9/27/23 7:00	1872.47
9/27/23 8:00	1908.51	9/27/23 8:11	1901.91	9/27/23 8:00	1863.26	9/27/23 8:00	1872.49
9/27/23 9:00	1908.52	9/27/23 9:11	1901.86	9/27/23 9:00	1863.22	9/27/23 9:00	1872.50
9/27/23 10:00	1908.50	9/27/23 10:11	1901.91	9/27/23 10:00	1863.26	9/27/23 10:00	1872.48
9/27/23 11:00	1908.49	9/27/23 11:11	1901.88	9/27/23 11:00	1863.24	9/27/23 11:00	1872.47
9/27/23 12:00	1908.49	9/27/23 12:11	1901.88	9/27/23 12:00	1863.24	9/27/23 12:00	1872.48
9/27/23 13:00	1908.44	9/27/23 13:11	1901.82	9/27/23 13:00	1863.22	9/27/23 13:00	1872.47
9/27/23 14:00	1908.45	9/27/23 14:11	1901.86	9/27/23 14:00	1863.21	9/27/23 14:00	1872.46
9/27/23 15:00	1908.44	9/27/23 15:11	1901.87	9/27/23 15:00	1863.25	9/27/23 15:00	1872.48
9/27/23 16:00	1908.47	9/27/23 16:11	1901.89	9/27/23 16:00	1863.23	9/27/23 16:00	1872.48
9/27/23 17:00	1908.47	9/27/23 17:11	1901.85	9/27/23 17:00	1863.24	9/27/23 17:00	1872.50

MW-A Transducer	Ground Elv = 1912.81	MW-B Transducer	Ground Elv = 1906.23	MW-C Transducer	Ground Elv = 1871.12	MW-D Transducer	Ground Elv = 1874.15
9/27/23 18:00	1908.43	9/27/23 18:11	1901.87	9/27/23 18:00	1863.21	9/27/23 18:00	1872.49
9/27/23 19:00	1908.43	9/27/23 19:11	1901.92	9/27/23 19:00	1863.20	9/27/23 19:00	1872.48
9/27/23 20:00	1908.42	9/27/23 20:11	1901.90	9/27/23 20:00	1863.23	9/27/23 20:00	1872.50
9/27/23 21:00	1908.40	9/27/23 21:11	1901.85	9/27/23 21:00	1863.19	9/27/23 21:00	1872.49
9/27/23 22:00	1908.40	9/27/23 22:11	1901.84	9/27/23 22:00	1863.20	9/27/23 22:00	1872.49
9/27/23 23:00	1908.40	9/27/23 23:11	1901.85	9/27/23 23:00	1863.21	9/27/23 23:00	1872.48
9/28/23 0:00	1908.38	9/28/23 0:11	1901.83	9/28/23 0:00	1863.20	9/28/23 0:00	1872.49
9/28/23 1:00	1908.36	9/28/23 1:11	1901.82	9/28/23 1:00	1863.18	9/28/23 1:00	1872.48
9/28/23 2:00	1908.37	9/28/23 2:11	1901.83	9/28/23 2:00	1863.18	9/28/23 2:00	1872.46
9/28/23 3:00	1908.37	9/28/23 3:11	1901.91	9/28/23 3:00	1863.18	9/28/23 3:00	1872.51
9/28/23 4:00	1908.39	9/28/23 4:11	1901.88	9/28/23 4:00	1863.20	9/28/23 4:00	1872.51
9/28/23 5:00	1908.38	9/28/23 5:11	1901.91	9/28/23 5:00	1863.21	9/28/23 5:00	1872.49
9/28/23 6:00	1908.39	9/28/23 6:11	1901.91	9/28/23 6:00	1863.19	9/28/23 6:00	1872.51
9/28/23 7:00	1908.37	9/28/23 7:11	1901.88	9/28/23 7:00	1863.20	9/28/23 7:00	1872.52
9/28/23 8:00	1908.38	9/28/23 8:11	1901.86	9/28/23 8:00	1863.16	9/28/23 8:00	1872.50
9/28/23 9:00	1908.36	9/28/23 9:11	1901.89	9/28/23 9:00	1863.20	9/28/23 9:00	1872.47
9/28/23 10:00	1908.34	9/28/23 10:11	1901.85	9/28/23 10:00	1863.18	9/28/23 10:00	1872.47
9/28/23 11:00	1908.30	9/28/23 11:11	1901.81	9/28/23 11:00	1863.18	9/28/23 11:00	1872.48
9/28/23 12:00	1908.32	9/28/23 12:11	1901.84	9/28/23 12:00	1863.18	9/28/23 12:00	1872.43
9/28/23 13:00	1908.30	9/28/23 13:11	1901.81	9/28/23 13:00	1863.15	9/28/23 13:00	1872.45
9/28/23 14:00	1908.30	9/28/23 14:11	1901.80	9/28/23 14:00	1863.17	9/28/23 14:00	1872.46
9/28/23 15:00	1908.28	9/28/23 15:11	1901.83	9/28/23 15:00	1863.17	9/28/23 15:00	1872.43
9/28/23 16:00	1908.28	9/28/23 16:11	1901.80	9/28/23 16:00	1863.15	9/28/23 16:00	1872.46
9/28/23 17:00	1908.28	9/28/23 17:11	1901.83	9/28/23 17:00	1863.17	9/28/23 17:00	1872.46
9/28/23 18:00	1908.25	9/28/23 18:11	1901.81	9/28/23 18:00	1863.14	9/28/23 18:00	1872.46
9/28/23 19:00	1908.28	9/28/23 19:11	1901.89	9/28/23 19:00	1863.19	9/28/23 19:00	1872.46
9/28/23 20:00	1908.26	9/28/23 20:11	1901.84	9/28/23 20:00	1863.16	9/28/23 20:00	1872.45
9/28/23 21:00	1908.25	9/28/23 21:11	1901.84	9/28/23 21:00	1863.16	9/28/23 21:00	1872.47
9/28/23 22:00	1908.26	9/28/23 22:11	1901.84	9/28/23 22:00	1863.14	9/28/23 22:00	1872.46
9/28/23 23:00	1908.24	9/28/23 23:11	1901.81	9/28/23 23:00	1863.12	9/28/23 23:00	1872.45
9/29/23 0:00	1908.24	9/29/23 0:11	1901.85	9/29/23 0:00	1863.17	9/29/23 0:00	1872.44
9/29/23 1:00	1908.23	9/29/23 1:11	1901.85	9/29/23 1:00	1863.13	9/29/23 1:00	1872.46

MW-A Transducer	Ground Elv = 1912.81	MW-B Transducer	Ground Elv = 1906.23	MW-C Transducer	Ground Elv = 1871.12	MW-D Transducer	Ground Elv = 1874.15
9/29/23 2:00	1908.24	9/29/23 2:11	1901.83	9/29/23 2:00	1863.14	9/29/23 2:00	1872.47
9/29/23 3:00	1908.24	9/29/23 3:11	1901.85	9/29/23 3:00	1863.14	9/29/23 3:00	1872.45
9/29/23 4:00	1908.22	9/29/23 4:11	1901.85	9/29/23 4:00	1863.15	9/29/23 4:00	1872.44
9/29/23 5:00	1908.22	9/29/23 5:11	1901.86	9/29/23 5:00	1863.16	9/29/23 5:00	1872.46
9/29/23 6:00	1908.23	9/29/23 6:11	1901.81	9/29/23 6:00	1863.13	9/29/23 6:00	1872.46
9/29/23 7:00	1908.22	9/29/23 7:11	1901.84	9/29/23 7:00	1863.12	9/29/23 7:00	1872.45
9/29/23 8:00	1908.21	9/29/23 8:11	1901.87	9/29/23 8:00	1863.13	9/29/23 8:00	1872.46
9/29/23 9:00	1908.18	9/29/23 9:11	1901.81	9/29/23 9:00	1863.11	9/29/23 9:00	1872.45
9/29/23 10:00	1908.16	9/29/23 10:11	1901.81	9/29/23 10:00	1863.14	9/29/23 10:00	1872.40
9/29/23 11:00	1908.19	9/29/23 11:11	1901.85	9/29/23 11:00	1863.13	9/29/23 11:00	1872.42
9/29/23 12:00	1908.15	9/29/23 12:11	1901.79	9/29/23 12:00	1863.12	9/29/23 12:00	1872.42
9/29/23 13:00	1908.14	9/29/23 13:11	1901.79	9/29/23 13:00	1863.10	9/29/23 13:00	1872.42
9/29/23 14:00	1908.13	9/29/23 14:11	1901.78	9/29/23 14:00	1863.09	9/29/23 14:00	1872.40
9/29/23 15:00	1908.17	9/29/23 15:11	1901.82	9/29/23 15:00	1863.08	9/29/23 15:00	1872.42
9/29/23 16:00	1908.15	9/29/23 16:11	1901.83	9/29/23 16:00	1863.10	9/29/23 16:00	1872.41
9/29/23 17:00	1908.15	9/29/23 17:11	1901.78	9/29/23 17:00	1863.08	9/29/23 17:00	1872.42
9/29/23 18:00	1908.17	9/29/23 18:11	1901.85	9/29/23 18:00	1863.09	9/29/23 18:00	1872.42
9/29/23 19:00	1908.16	9/29/23 19:11	1901.78	9/29/23 19:00	1863.10	9/29/23 19:00	1872.41
9/29/23 20:00	1908.15	9/29/23 20:11	1901.84	9/29/23 20:00	1863.07	9/29/23 20:00	1872.41
9/29/23 21:00	1908.14	9/29/23 21:11	1901.84	9/29/23 21:00	1863.08	9/29/23 21:00	1872.42
9/29/23 22:00	1908.15	9/29/23 22:11	1901.80	9/29/23 22:00	1863.07	9/29/23 22:00	1872.41
9/29/23 23:00	1908.14	9/29/23 23:11	1901.85	9/29/23 23:00	1863.09	9/29/23 23:00	1872.44
9/30/23 0:00	1908.14	9/30/23 0:11	1901.82	9/30/23 0:00	1863.08	9/30/23 0:00	1872.42
9/30/23 1:00	1908.11	9/30/23 1:11	1901.76	9/30/23 1:00	1863.08	9/30/23 1:00	1872.41
9/30/23 2:00	1908.13	9/30/23 2:11	1901.78	9/30/23 2:00	1863.05	9/30/23 2:00	1872.43
9/30/23 3:00	1908.12	9/30/23 3:11	1901.76	9/30/23 3:00	1863.04	9/30/23 3:00	1872.40
9/30/23 4:00	1908.10	9/30/23 4:11	1901.77	9/30/23 4:00	1863.05	9/30/23 4:00	1872.39
9/30/23 5:00	1908.11	9/30/23 5:11	1901.78	9/30/23 5:00	1863.06	9/30/23 5:00	1872.41
9/30/23 6:00	1908.11	9/30/23 6:11	1901.76	9/30/23 6:00	1863.03	9/30/23 6:00	1872.40
9/30/23 7:00	1908.10	9/30/23 7:11	1901.77	9/30/23 7:00	1863.03	9/30/23 7:00	1872.40
9/30/23 8:00	1908.09	9/30/23 8:11	1901.80	9/30/23 8:00	1863.06	9/30/23 8:00	1872.39
9/30/23 9:00	1908.11	9/30/23 9:11	1901.77	9/30/23 9:00	1863.02	9/30/23 9:00	1872.39
9/30/23 10:00	1908.10	9/30/23 10:11	1901.80	9/30/23 10:00	1863.04	9/30/23 10:00	1872.41

MW-A Transducer	Ground Elv = 1912.81	MW-B Transducer	Ground Elv = 1906.23	MW-C Transducer	Ground Elv = 1871.12	MW-D Transducer	Ground Elv = 1874.15
9/30/23 11:00	1908.10	9/30/23 11:11	1901.78	9/30/23 11:00	1863.00	9/30/23 11:00	1872.38
9/30/23 12:00	1908.07	9/30/23 12:11	1901.77	9/30/23 12:00	1863.01	9/30/23 12:00	1872.36
9/30/23 13:00	1908.04	9/30/23 13:11	1901.76	9/30/23 13:00	1862.98	9/30/23 13:00	1872.33
9/30/23 14:00	1908.03	9/30/23 14:11	1901.74	9/30/23 14:00	1862.97	9/30/23 14:00	1872.34
9/30/23 15:00	1908.04	9/30/23 15:11	1901.73	9/30/23 15:00	1862.97	9/30/23 15:00	1872.35
9/30/23 16:00	1908.06	9/30/23 16:11	1901.72	9/30/23 16:00	1862.99	9/30/23 16:00	1872.35
9/30/23 17:00	1908.04	9/30/23 17:11	1901.73	9/30/23 17:00	1862.99	9/30/23 17:00	1872.35
9/30/23 18:00	1908.04	9/30/23 18:11	1901.74	9/30/23 18:00	1863.00	9/30/23 18:00	1872.35
9/30/23 19:00	1908.03	9/30/23 19:11	1901.76	9/30/23 19:00	1863.00	9/30/23 19:00	1872.35
9/30/23 20:00	1908.04	9/30/23 20:11	1901.76	9/30/23 20:00	1862.98	9/30/23 20:00	1872.34
9/30/23 21:00	1908.04	9/30/23 21:11	1901.68	9/30/23 21:00	1862.96	9/30/23 21:00	1872.33
9/30/23 22:00	1908.03	9/30/23 22:11	1901.71	9/30/23 22:00	1862.95	9/30/23 22:00	1872.33
9/30/23 23:00	1908.01	9/30/23 23:11	1901.75	9/30/23 23:00	1862.98	9/30/23 23:00	1872.33
10/1/23 0:00	1908.01	10/1/23 0:11	1901.71	10/1/23 0:00	1862.96	10/1/23 0:00	1872.32
10/1/23 1:00	1908.00	10/1/23 1:11	1901.69	10/1/23 1:00	1862.92	10/1/23 1:00	1872.31
10/1/23 2:00	1907.99	10/1/23 2:11	1901.64	10/1/23 2:00	1862.96	10/1/23 2:00	1872.29
10/1/23 3:00	1908.01	10/1/23 3:11	1901.70	10/1/23 3:00	1862.97	10/1/23 3:00	1872.31
10/1/23 4:00	1907.97	10/1/23 4:11	1901.70	10/1/23 4:00	1862.95	10/1/23 4:00	1872.31
10/1/23 5:00	1908.00	10/1/23 5:11	1901.66	10/1/23 5:00	1862.94	10/1/23 5:00	1872.31
10/1/23 6:00	1907.99	10/1/23 6:11	1901.70	10/1/23 6:00	1862.95	10/1/23 6:00	1872.30
10/1/23 7:00	1908.00	10/1/23 7:11	1901.69	10/1/23 7:00	1862.92	10/1/23 7:00	1872.30
10/1/23 8:00	1908.01	10/1/23 8:11	1901.71	10/1/23 8:00	1862.95	10/1/23 8:00	1872.28
10/1/23 9:00	1907.97	10/1/23 9:11	1901.73	10/1/23 9:00	1862.93	10/1/23 9:00	1872.30
10/1/23 10:00	1907.98	10/1/23 10:11	1901.74	10/1/23 10:00	1862.90	10/1/23 10:00	1872.30
10/1/23 11:00	1907.97	10/1/23 11:11	1901.69	10/1/23 11:00	1862.91	10/1/23 11:00	1872.29
10/1/23 12:00	1907.95	10/1/23 12:11	1901.70	10/1/23 12:00	1862.90	10/1/23 12:00	1872.27
10/1/23 13:00	1907.95	10/1/23 13:11	1901.68	10/1/23 13:00	1862.87	10/1/23 13:00	1872.26
10/1/23 14:00	1907.94	10/1/23 14:11	1901.69	10/1/23 14:00	1862.87	10/1/23 14:00	1872.27
10/1/23 15:00	1907.93	10/1/23 15:11	1901.68	10/1/23 15:00	1862.86	10/1/23 15:00	1872.25
10/1/23 16:00	1907.96	10/1/23 16:11	1901.65	10/1/23 16:00	1862.88	10/1/23 16:00	1872.26
10/1/23 17:00	1907.93	10/1/23 17:11	1901.65	10/1/23 17:00	1862.89	10/1/23 17:00	1872.28

MW-A Transducer	Ground Elv = 1912.81	MW-B Transducer	Ground Elv = 1906.23	MW-C Transducer	Ground Elv = 1871.12	MW-D Transducer	Ground Elv = 1874.15
10/1/23 18:00	1907.96	10/1/23 18:11	1901.63	10/1/23 18:00	1862.87	10/1/23 18:00	1872.26
10/1/23 19:00	1907.96	10/1/23 19:11	1901.69	10/1/23 19:00	1862.89	10/1/23 19:00	1872.26
10/1/23 20:00	1907.95	10/1/23 20:11	1901.65	10/1/23 20:00	1862.88	10/1/23 20:00	1872.26
10/1/23 21:00	1907.95	10/1/23 21:11	1901.71	10/1/23 21:00	1862.90	10/1/23 21:00	1872.27
10/1/23 22:00	1907.93	10/1/23 22:11	1901.66	10/1/23 22:00	1862.87	10/1/23 22:00	1872.27
10/1/23 23:00	1907.96	10/1/23 23:11	1901.64	10/1/23 23:00	1862.88	10/1/23 23:00	1872.27
10/2/23 0:00	1907.91	10/2/23 0:11	1901.63	10/2/23 0:00	1862.85	10/2/23 0:00	1872.25
10/2/23 1:00	1907.92	10/2/23 1:11	1901.65	10/2/23 1:00	1862.87	10/2/23 1:00	1872.24
10/2/23 2:00	1907.93	10/2/23 2:11	1901.61	10/2/23 2:00	1862.87	10/2/23 2:00	1872.26
10/2/23 3:00	1907.91	10/2/23 3:11	1901.65	10/2/23 3:00	1862.90	10/2/23 3:00	1872.24
10/2/23 4:00	1907.91	10/2/23 4:11	1901.64	10/2/23 4:00	1862.87	10/2/23 4:00	1872.24
10/2/23 5:00	1907.93	10/2/23 5:11	1901.65	10/2/23 5:00	1862.87	10/2/23 5:00	1872.27
10/2/23 6:00	1907.94	10/2/23 6:11	1901.67	10/2/23 6:00	1862.87	10/2/23 6:00	1872.24
10/2/23 7:00	1907.93	10/2/23 7:11	1901.69	10/2/23 7:00	1862.86	10/2/23 7:00	1872.27
10/2/23 8:00	1907.92	10/2/23 8:11	1901.67	10/2/23 8:00	1862.85	10/2/23 8:00	1872.28
10/2/23 9:00	1907.93	10/2/23 9:11	1901.69	10/2/23 9:00	1862.84	10/2/23 9:00	1872.26
10/2/23 10:00	1907.92	10/2/23 10:11	1901.72	10/2/23 10:00	1862.84	10/2/23 10:00	1872.24
10/2/23 11:00	1907.90	10/2/23 11:11	1901.67	10/2/23 11:00	1862.84	10/2/23 11:00	1872.23
10/2/23 12:00	1907.92	10/2/23 12:11	1901.67	10/2/23 12:00	1862.81	10/2/23 12:00	1872.22
10/2/23 13:00	1907.91	10/2/23 13:11	1901.67	10/2/23 13:00	1862.84	10/2/23 13:00	1872.27
10/2/23 14:00	1907.93	10/2/23 14:11	1901.70	10/2/23 14:00	1862.83	10/2/23 14:00	1872.21
10/2/23 15:00	1907.89	10/2/23 15:11	1901.69	10/2/23 15:00	1862.83	10/2/23 15:00	1872.22
10/2/23 16:00	1907.90	10/2/23 16:11	1901.67	10/2/23 16:00	1862.81	10/2/23 16:00	1872.22
10/2/23 17:00	1907.89	10/2/23 17:11	1901.67	10/2/23 17:00	1862.83	10/2/23 17:00	1872.21
10/2/23 18:00	1907.90	10/2/23 18:11	1901.67	10/2/23 18:00	1862.81	10/2/23 18:00	1872.24
10/2/23 19:00	1907.89	10/2/23 19:11	1901.69	10/2/23 19:00	1862.84	10/2/23 19:00	1872.25
10/2/23 20:00	1907.88	10/2/23 20:11	1901.73	10/2/23 20:00	1862.83	10/2/23 20:00	1872.25
10/2/23 21:00	1907.91	10/2/23 21:11	1901.71	10/2/23 21:00	1862.82	10/2/23 21:00	1872.24
10/2/23 22:00	1907.90	10/2/23 22:11	1901.70	10/2/23 22:00	1862.84	10/2/23 22:00	1872.26
10/2/23 23:00	1907.86	10/2/23 23:11	1901.67	10/2/23 23:00	1862.83	10/2/23 23:00	1872.23
10/3/23 0:00	1907.87	10/3/23 0:11	1901.66	10/3/23 0:00	1862.79	10/3/23 0:00	1872.23
10/3/23 1:00	1907.87	10/3/23 1:11	1901.64	10/3/23 1:00	1862.77	10/3/23 1:00	1872.23

MW-A Transducer	Ground Elv = 1912.81	MW-B Transducer	Ground Elv = 1906.23	MW-C Transducer	Ground Elv = 1871.12	MW-D Transducer	Ground Elv = 1874.15
10/3/23 2:00	1907.87	10/3/23 2:11	1901.63	10/3/23 2:00	1862.79	10/3/23 2:00	1872.24
10/3/23 3:00	1907.87	10/3/23 3:11	1901.60	10/3/23 3:00	1862.79	10/3/23 3:00	1872.23
10/3/23 4:00	1907.86	10/3/23 4:11	1901.60	10/3/23 4:00	1862.78	10/3/23 4:00	1872.20
10/3/23 5:00	1907.84	10/3/23 5:11	1901.62	10/3/23 5:00	1862.79	10/3/23 5:00	1872.23
10/3/23 6:00	1907.84	10/3/23 6:11	1901.63	10/3/23 6:00	1862.78	10/3/23 6:00	1872.25
10/3/23 7:00	1907.85	10/3/23 7:11	1901.67	10/3/23 7:00	1862.78	10/3/23 7:00	1872.22
10/3/23 8:00	1907.83	10/3/23 8:11	1901.61	10/3/23 8:00	1862.75	10/3/23 8:00	1872.23
10/3/23 9:00	1907.82	10/3/23 9:11	1901.60	10/3/23 9:00	1862.75	10/3/23 9:00	1872.21
10/3/23 10:00	1907.81	10/3/23 10:11	1901.66	10/3/23 10:00	1862.74	10/3/23 10:00	1872.21
10/3/23 11:00	1907.81	10/3/23 11:11	1901.64	10/3/23 11:00	1862.72	10/3/23 11:00	1872.19
10/3/23 12:00	1907.81	10/3/23 12:11	1901.64	10/3/23 12:00	1862.72	10/3/23 12:00	1872.19
10/3/23 13:00	1907.78	10/3/23 13:11	1901.59	10/3/23 13:00	1862.69	10/3/23 13:00	1872.15
10/3/23 14:00	1907.76	10/3/23 14:11	1901.59	10/3/23 14:00	1862.69	10/3/23 14:00	1872.16
10/3/23 15:00	1907.78	10/3/23 15:11	1901.56	10/3/23 15:00	1862.70	10/3/23 15:00	1872.17
10/3/23 16:00	1907.78	10/3/23 16:11	1901.60	10/3/23 16:00	1862.72	10/3/23 16:00	1872.17
10/3/23 17:00	1907.78	10/3/23 17:11	1901.61	10/3/23 17:00	1862.73	10/3/23 17:00	1872.14
10/3/23 18:00	1907.80	10/3/23 18:11	1901.63	10/3/23 18:00	1862.74	10/3/23 18:00	1872.16
10/3/23 19:00	1907.81	10/3/23 19:11	1901.62	10/3/23 19:00	1862.73	10/3/23 19:00	1872.17
10/3/23 20:00	1907.79	10/3/23 20:11	1901.64	10/3/23 20:00	1862.75	10/3/23 20:00	1872.17
10/3/23 21:00	1907.79	10/3/23 21:11	1901.63	10/3/23 21:00	1862.74	10/3/23 21:00	1872.16
10/3/23 22:00	1907.76	10/3/23 22:11	1901.56	10/3/23 22:00	1862.67	10/3/23 22:00	1872.13
10/3/23 23:00	1907.78	10/3/23 23:11	1901.63	10/3/23 23:00	1862.72	10/3/23 23:00	1872.14
10/4/23 0:00	1907.78	10/4/23 0:11	1901.59	10/4/23 0:00	1862.69	10/4/23 0:00	1872.14
10/4/23 1:00	1907.78	10/4/23 1:11	1901.64	10/4/23 1:00	1862.69	10/4/23 1:00	1872.15
10/4/23 2:00	1907.78	10/4/23 2:11	1901.52	10/4/23 2:00	1862.68	10/4/23 2:00	1872.13
10/4/23 3:00	1907.75	10/4/23 3:11	1901.55	10/4/23 3:00	1862.65	10/4/23 3:00	1872.14
10/4/23 4:00	1907.74	10/4/23 4:11	1901.53	10/4/23 4:00	1862.67	10/4/23 4:00	1872.13
10/4/23 5:00	1907.73	10/4/23 5:11	1901.56	10/4/23 5:00	1862.69	10/4/23 5:00	1872.12
10/4/23 6:00	1907.76	10/4/23 6:11	1901.58	10/4/23 6:00	1862.67	10/4/23 6:00	1872.15
10/4/23 7:00	1907.75	10/4/23 7:11	1901.52	10/4/23 7:00	1862.66	10/4/23 7:00	1872.12
10/4/23 8:00	1907.74	10/4/23 8:11	1901.53	10/4/23 8:00	1862.68	10/4/23 8:00	1872.16
10/4/23 9:00	1907.72	10/4/23 9:11	1901.52	10/4/23 9:00	1862.65	10/4/23 9:00	1872.11
10/4/23 10:00	1907.77	10/4/23 10:11	1901.54	10/4/23 10:00	1862.68	10/4/23 10:00	1872.12

MW-A Transducer	Ground Elv = 1912.81	MW-B Transducer	Ground Elv = 1906.23	MW-C Transducer	Ground Elv = 1871.12	MW-D Transducer	Ground Elv = 1874.15
10/4/23 11:00	1907.71	10/4/23 11:11	1901.53	10/4/23 11:00	1862.65	10/4/23 11:00	1872.08
10/4/23 12:00	1907.73	10/4/23 12:11	1901.57	10/4/23 12:00	1862.63	10/4/23 12:00	1872.10
10/4/23 13:00	1907.70	10/4/23 13:11	1901.55	10/4/23 13:00	1862.62	10/4/23 13:00	1872.10
10/4/23 14:00	1907.70	10/4/23 14:11	1901.56	10/4/23 14:00	1862.64	10/4/23 14:00	1872.11
10/4/23 15:00	1907.68	10/4/23 15:11	1901.52	10/4/23 15:00	1862.62	10/4/23 15:00	1872.10
10/4/23 16:00	1907.70	10/4/23 16:11	1901.53	10/4/23 16:00	1862.59	10/4/23 16:00	1872.09
10/4/23 17:00	1907.69	10/4/23 17:11	1901.52	10/4/23 17:00	1862.62	10/4/23 17:00	1872.10
10/4/23 18:00	1907.69	10/4/23 18:11	1901.50	10/4/23 18:00	1862.65	10/4/23 18:00	1872.10
10/4/23 19:00	1907.70	10/4/23 19:11	1901.50	10/4/23 19:00	1862.63	10/4/23 19:00	1872.10
10/4/23 20:00	1907.70	10/4/23 20:11	1901.49	10/4/23 20:00	1862.57	10/4/23 20:00	1872.09
10/4/23 21:00	1907.71	10/4/23 21:11	1901.56	10/4/23 21:00	1862.61	10/4/23 21:00	1872.11
10/4/23 22:00	1907.69	10/4/23 22:11	1901.53	10/4/23 22:00	1862.63	10/4/23 22:00	1872.10
10/4/23 23:00	1907.68	10/4/23 23:11	1901.52	10/4/23 23:00	1862.61	10/4/23 23:00	1872.07
10/5/23 0:00	1907.68	10/5/23 0:11	1901.54	10/5/23 0:00	1862.60	10/5/23 0:00	1872.09
10/5/23 1:00	1907.68	10/5/23 1:11	1901.49	10/5/23 1:00	1862.57	10/5/23 1:00	1872.08
10/5/23 2:00	1907.66	10/5/23 2:11	1901.50	10/5/23 2:00	1862.58	10/5/23 2:00	1872.07
10/5/23 3:00	1907.66	10/5/23 3:11	1901.47	10/5/23 3:00	1862.58	10/5/23 3:00	1872.06
10/5/23 4:00	1907.63	10/5/23 4:11	1901.47	10/5/23 4:00	1862.56	10/5/23 4:00	1872.06
10/5/23 5:00	1907.65	10/5/23 5:11	1901.49	10/5/23 5:00	1862.57	10/5/23 5:00	1872.06
10/5/23 6:00	1907.66	10/5/23 6:11	1901.45	10/5/23 6:00	1862.58	10/5/23 6:00	1872.09
10/5/23 7:00	1907.66	10/5/23 7:11	1901.45	10/5/23 7:00	1862.59	10/5/23 7:00	1872.06
10/5/23 8:00	1907.65	10/5/23 8:11	1901.49	10/5/23 8:00	1862.57	10/5/23 8:00	1872.05
10/5/23 9:00	1907.62	10/5/23 9:11	1901.49	10/5/23 9:00	1862.58	10/5/23 9:00	1872.07
10/5/23 10:00	1907.64	10/5/23 10:11	1901.45	10/5/23 10:00	1862.57	10/5/23 10:00	1872.05
10/5/23 11:00	1907.63	10/5/23 11:11	1901.46	10/5/23 11:00	1862.54	10/5/23 11:00	1872.05
10/5/23 12:00	1907.60	10/5/23 12:11	1901.42	10/5/23 12:00	1862.52	10/5/23 12:00	1872.04
10/5/23 13:00	1907.60	10/5/23 13:11	1901.44	10/5/23 13:00	1862.49	10/5/23 13:00	1872.03
10/5/23 14:00	1907.61	10/5/23 14:11	1901.47	10/5/23 14:00	1862.53	10/5/23 14:00	1872.04
10/5/23 15:00	1907.62	10/5/23 15:11	1901.47	10/5/23 15:00	1862.51	10/5/23 15:00	1872.06
10/5/23 16:00	1907.61	10/5/23 16:11	1901.45	10/5/23 16:00	1862.54	10/5/23 16:00	1872.04
10/5/23 17:00	1907.63	10/5/23 17:11	1901.42	10/5/23 17:00	1862.52	10/5/23 17:00	1872.08

MW-A Transducer	Ground Elv = 1912.81	MW-B Transducer	Ground Elv = 1906.23	MW-C Transducer	Ground Elv = 1871.12	MW-D Transducer	Ground Elv = 1874.15
10/5/23 18:00	1907.63	10/5/23 18:11	1901.47	10/5/23 18:00	1862.52	10/5/23 18:00	1872.05
10/5/23 19:00	1907.63	10/5/23 19:11	1901.43	10/5/23 19:00	1862.53	10/5/23 19:00	1872.06
10/5/23 20:00	1907.63	10/5/23 20:11	1901.48	10/5/23 20:00	1862.53	10/5/23 20:00	1872.07
10/5/23 21:00	1907.63	10/5/23 21:11	1901.48	10/5/23 21:00	1862.54	10/5/23 21:00	1872.07
10/5/23 22:00	1907.64	10/5/23 22:11	1901.44	10/5/23 22:00	1862.53	10/5/23 22:00	1872.05
10/5/23 23:00	1907.62	10/5/23 23:11	1901.42	10/5/23 23:00	1862.49	10/5/23 23:00	1872.05
10/6/23 0:00	1907.60	10/6/23 0:11	1901.41	10/6/23 0:00	1862.51	10/6/23 0:00	1872.06
10/6/23 1:00	1907.62	10/6/23 1:11	1901.45	10/6/23 1:00	1862.52	10/6/23 1:00	1872.05
10/6/23 2:00	1907.60	10/6/23 2:11	1901.44	10/6/23 2:00	1862.49	10/6/23 2:00	1872.04
10/6/23 3:00	1907.60	10/6/23 3:11	1901.43	10/6/23 3:00	1862.54	10/6/23 3:00	1872.06
10/6/23 4:00	1907.60	10/6/23 4:11	1901.42	10/6/23 4:00	1862.48	10/6/23 4:00	1872.04
10/6/23 5:00	1907.59	10/6/23 5:11	1901.42	10/6/23 5:00	1862.50	10/6/23 5:00	1872.05
10/6/23 6:00	1907.60	10/6/23 6:11	1901.45	10/6/23 6:00	1862.53	10/6/23 6:00	1872.05
10/6/23 7:00	1907.60	10/6/23 7:11	1901.44	10/6/23 7:00	1862.49	10/6/23 7:00	1872.06
10/6/23 8:00	1907.60	10/6/23 8:11	1901.44	10/6/23 8:00	1862.47	10/6/23 8:00	1872.04
10/6/23 9:00	1907.59	10/6/23 9:11	1901.39	10/6/23 9:00	1862.48	10/6/23 9:00	1872.05
10/6/23 10:00	1907.60	10/6/23 10:11	1901.47	10/6/23 10:00	1862.50	10/6/23 10:00	1872.05
10/6/23 11:00	1907.60	10/6/23 11:11	1901.41	10/6/23 11:00	1862.47	10/6/23 11:00	1872.05
10/6/23 12:00	1907.57	10/6/23 12:11	1901.40	10/6/23 12:00	1862.47	10/6/23 12:00	1872.03
10/6/23 13:00	1907.60	10/6/23 13:11	1901.40	10/6/23 13:00	1862.49	10/6/23 13:00	1872.03
10/6/23 14:00	1907.59	10/6/23 14:11	1901.43	10/6/23 14:00	1862.45	10/6/23 14:00	1872.03
10/6/23 15:00	1907.60	10/6/23 15:11	1901.49	10/6/23 15:00	1862.46	10/6/23 15:00	1872.04
10/6/23 16:00	1907.61	10/6/23 16:11	1901.46	10/6/23 16:00	1862.47	10/6/23 16:00	1872.04
10/6/23 17:00	1907.59	10/6/23 17:11	1901.46	10/6/23 17:00	1862.43	10/6/23 17:00	1872.03
10/6/23 18:00	1907.61	10/6/23 18:11	1901.47	10/6/23 18:00	1862.48	10/6/23 18:00	1872.05
10/6/23 19:00	1907.63	10/6/23 19:11	1901.46	10/6/23 19:00	1862.48	10/6/23 19:00	1872.07
10/6/23 20:00	1907.60	10/6/23 20:11	1901.47	10/6/23 20:00	1862.47	10/6/23 20:00	1872.07
10/6/23 21:00	1907.60	10/6/23 21:11	1901.49	10/6/23 21:00	1862.47	10/6/23 21:00	1872.07
10/6/23 22:00	1907.62	10/6/23 22:11	1901.50	10/6/23 22:00	1862.47	10/6/23 22:00	1872.06
10/6/23 23:00	1907.62	10/6/23 23:11	1901.47	10/6/23 23:00	1862.49	10/6/23 23:00	1872.08
10/7/23 0:00	1907.59	10/7/23 0:11	1901.48	10/7/23 0:00	1862.46	10/7/23 0:00	1872.08
10/7/23 1:00	1907.59	10/7/23 1:11	1901.48	10/7/23 1:00	1862.44	10/7/23 1:00	1872.06

MW-A Transducer	Ground Elv = 1912.81	MW-B Transducer	Ground Elv = 1906.23	MW-C Transducer	Ground Elv = 1871.12	MW-D Transducer	Ground Elv = 1874.15
10/7/23 2:00	1907.61	10/7/23 2:11	1901.51	10/7/23 2:00	1862.47	10/7/23 2:00	1872.08
10/7/23 3:00	1907.60	10/7/23 3:11	1901.53	10/7/23 3:00	1862.44	10/7/23 3:00	1872.08
10/7/23 4:00	1907.60	10/7/23 4:11	1901.53	10/7/23 4:00	1862.45	10/7/23 4:00	1872.07
10/7/23 5:00	1907.60	10/7/23 5:11	1901.49	10/7/23 5:00	1862.45	10/7/23 5:00	1872.08
10/7/23 6:00	1907.60	10/7/23 6:11	1901.49	10/7/23 6:00	1862.47	10/7/23 6:00	1872.05
10/7/23 7:00	1907.57	10/7/23 7:11	1901.49	10/7/23 7:00	1862.46	10/7/23 7:00	1872.08
10/7/23 8:00	1907.60	10/7/23 8:11	1901.47	10/7/23 8:00	1862.43	10/7/23 8:00	1872.07
10/7/23 9:00	1907.60	10/7/23 9:11	1901.47	10/7/23 9:00	1862.43	10/7/23 9:00	1872.07
10/7/23 10:00	1907.58	10/7/23 10:11	1901.51	10/7/23 10:00	1862.45	10/7/23 10:00	1872.08
10/7/23 11:00	1907.55	10/7/23 11:11	1901.51	10/7/23 11:00	1862.43	10/7/23 11:00	1872.05
10/7/23 12:00	1907.56	10/7/23 12:11	1901.50	10/7/23 12:00	1862.42	10/7/23 12:00	1872.04
10/7/23 13:00	1907.54	10/7/23 13:11	1901.48	10/7/23 13:00	1862.40	10/7/23 13:00	1872.05
10/7/23 14:00	1907.58	10/7/23 14:11	1901.50	10/7/23 14:00	1862.45	10/7/23 14:00	1872.04
10/7/23 15:00	1907.57	10/7/23 15:11	1901.54	10/7/23 15:00	1862.40	10/7/23 15:00	1872.05
10/7/23 16:00	1907.60	10/7/23 16:11	1901.54	10/7/23 16:00	1862.43	10/7/23 16:00	1872.07
10/7/23 17:00	1907.58	10/7/23 17:11	1901.54	10/7/23 17:00	1862.43	10/7/23 17:00	1872.06
10/7/23 18:00	1907.57	10/7/23 18:11	1901.55	10/7/23 18:00	1862.43	10/7/23 18:00	1872.08
10/7/23 19:00	1907.56	10/7/23 19:11	1901.58	10/7/23 19:00	1862.44	10/7/23 19:00	1872.08
10/7/23 20:00	1907.59	10/7/23 20:11	1901.54	10/7/23 20:00	1862.42	10/7/23 20:00	1872.08
10/7/23 21:00	1907.58	10/7/23 21:11	1901.53	10/7/23 21:00	1862.43	10/7/23 21:00	1872.08
10/7/23 22:00	1907.59	10/7/23 22:11	1901.57	10/7/23 22:00	1862.43	10/7/23 22:00	1872.08
10/7/23 23:00	1907.57	10/7/23 23:11	1901.59	10/7/23 23:00	1862.43	10/7/23 23:00	1872.07
10/8/23 0:00	1907.58	10/8/23 0:11	1901.53	10/8/23 0:00	1862.42	10/8/23 0:00	1872.07
10/8/23 1:00	1907.58	10/8/23 1:11	1901.56	10/8/23 1:00	1862.44	10/8/23 1:00	1872.06
10/8/23 2:00	1907.56	10/8/23 2:11	1901.59	10/8/23 2:00	1862.37	10/8/23 2:00	1872.05
10/8/23 3:00	1907.57	10/8/23 3:11	1901.56	10/8/23 3:00	1862.41	10/8/23 3:00	1872.09
10/8/23 4:00	1907.56	10/8/23 4:11	1901.56	10/8/23 4:00	1862.37	10/8/23 4:00	1872.05
10/8/23 5:00	1907.60	10/8/23 5:11	1901.55	10/8/23 5:00	1862.42	10/8/23 5:00	1872.08
10/8/23 6:00	1907.56	10/8/23 6:11	1901.58	10/8/23 6:00	1862.41	10/8/23 6:00	1872.05
10/8/23 7:00	1907.55	10/8/23 7:11	1901.55	10/8/23 7:00	1862.39	10/8/23 7:00	1872.05
10/8/23 8:00	1907.57	10/8/23 8:11	1901.57	10/8/23 8:00	1862.41	10/8/23 8:00	1872.07
10/8/23 9:00	1907.55	10/8/23 9:11	1901.59	10/8/23 9:00	1862.40	10/8/23 9:00	1872.07
10/8/23 10:00	1907.54	10/8/23 10:11	1901.55	10/8/23 10:00	1862.40	10/8/23 10:00	1872.05

MW-A Transducer	Ground Elv = 1912.81	MW-B Transducer	Ground Elv = 1906.23	MW-C Transducer	Ground Elv = 1871.12	MW-D Transducer	Ground Elv = 1874.15
10/8/23 11:00	1907.52	10/8/23 11:11	1901.54	10/8/23 11:00	1862.37	10/8/23 11:00	1872.04
10/8/23 12:00	1907.54	10/8/23 12:11	1901.58	10/8/23 12:00	1862.36	10/8/23 12:00	1872.04
10/8/23 13:00	1907.55	10/8/23 13:11	1901.54	10/8/23 13:00	1862.36	10/8/23 13:00	1872.05
10/8/23 14:00	1907.57	10/8/23 14:11	1901.63	10/8/23 14:00	1862.39	10/8/23 14:00	1872.06
10/8/23 15:00	1907.54	10/8/23 15:11	1901.55	10/8/23 15:00	1862.34	10/8/23 15:00	1872.01
10/8/23 16:00	1907.55	10/8/23 16:11	1901.59	10/8/23 16:00	1862.37	10/8/23 16:00	1872.04
10/8/23 17:00	1907.58	10/8/23 17:11	1901.61	10/8/23 17:00	1862.38	10/8/23 17:00	1872.06
10/8/23 18:00	1907.57	10/8/23 18:11	1901.62	10/8/23 18:00	1862.39	10/8/23 18:00	1872.07
10/8/23 19:00	1907.58	10/8/23 19:11	1901.63	10/8/23 19:00	1862.39	10/8/23 19:00	1872.07
10/8/23 20:00	1907.57	10/8/23 20:11	1901.61	10/8/23 20:00	1862.38	10/8/23 20:00	1872.07
10/8/23 21:00	1907.57	10/8/23 21:11	1901.65	10/8/23 21:00	1862.41	10/8/23 21:00	1872.11
10/8/23 22:00	1907.57	10/8/23 22:11	1901.63	10/8/23 22:00	1862.38	10/8/23 22:00	1872.07
10/8/23 23:00	1907.55	10/8/23 23:11	1901.61	10/8/23 23:00	1862.38	10/8/23 23:00	1872.08
10/9/23 0:00	1907.57	10/9/23 0:11	1901.65	10/9/23 0:00	1862.38	10/9/23 0:00	1872.09
10/9/23 1:00	1907.55	10/9/23 1:11	1901.67	10/9/23 1:00	1862.37	10/9/23 1:00	1872.09
10/9/23 2:00	1907.57	10/9/23 2:11	1901.64	10/9/23 2:00	1862.38	10/9/23 2:00	1872.08
10/9/23 3:00	1907.55	10/9/23 3:11	1901.64	10/9/23 3:00	1862.37	10/9/23 3:00	1872.07
10/9/23 4:00	1907.56	10/9/23 4:11	1901.66	10/9/23 4:00	1862.38	10/9/23 4:00	1872.10
10/9/23 5:00	1907.56	10/9/23 5:11	1901.67	10/9/23 5:00	1862.34	10/9/23 5:00	1872.08
10/9/23 6:00	1907.55	10/9/23 6:11	1901.63	10/9/23 6:00	1862.35	10/9/23 6:00	1872.07
10/9/23 7:00	1907.55	10/9/23 7:11	1901.67	10/9/23 7:00	1862.34	10/9/23 7:00	1872.09
10/9/23 8:00	1907.55	10/9/23 8:11	1901.67	10/9/23 8:00	1862.35	10/9/23 8:00	1872.07
10/9/23 9:00	1907.54	10/9/23 9:11	1901.64	10/9/23 9:00	1862.36	10/9/23 9:00	1872.08
10/9/23 10:00	1907.52	10/9/23 10:11	1901.61	10/9/23 10:00	1862.35	10/9/23 10:00	1872.07
10/9/23 11:00	1907.52	10/9/23 11:11	1901.63	10/9/23 11:00	1862.37	10/9/23 11:00	1872.08
10/9/23 12:00	1907.52	10/9/23 12:11	1901.64	10/9/23 12:00	1862.34	10/9/23 12:00	1872.05
10/9/23 13:00	1907.48	10/9/23 13:11	1901.63	10/9/23 13:00	1862.35	10/9/23 13:00	1872.06
10/9/23 14:00	1907.53	10/9/23 14:11	1901.67	10/9/23 14:00	1862.33	10/9/23 14:00	1872.07
10/9/23 15:00	1907.52	10/9/23 15:11	1901.65	10/9/23 15:00	1862.35	10/9/23 15:00	1872.08
10/9/23 16:00	1907.51	10/9/23 16:11	1901.65	10/9/23 16:00	1862.34	10/9/23 16:00	1872.07
10/9/23 17:00	1907.54	10/9/23 17:11	1901.65	10/9/23 17:00	1862.35	10/9/23 17:00	1872.07

MW-A Transducer	Ground Elv = 1912.81	MW-B Transducer	Ground Elv = 1906.23	MW-C Transducer	Ground Elv = 1871.12	MW-D Transducer	Ground Elv = 1874.15
10/9/23 18:00	1907.54	10/9/23 18:11	1901.69	10/9/23 18:00	1862.34	10/9/23 18:00	1872.06
10/9/23 19:00	1907.53	10/9/23 19:11	1901.65	10/9/23 19:00	1862.32	10/9/23 19:00	1872.07
10/9/23 20:00	1907.53	10/9/23 20:11	1901.67	10/9/23 20:00	1862.31	10/9/23 20:00	1872.05
10/9/23 21:00	1907.52	10/9/23 21:11	1901.66	10/9/23 21:00	1862.33	10/9/23 21:00	1872.09
10/9/23 22:00	1907.54	10/9/23 22:11	1901.68	10/9/23 22:00	1862.32	10/9/23 22:00	1872.07
10/9/23 23:00	1907.51	10/9/23 23:11	1901.64	10/9/23 23:00	1862.32	10/9/23 23:00	1872.06
10/10/23 0:00	1907.49	10/10/23 0:11	1901.67	10/10/23 0:00	1862.32	10/10/23 0:00	1872.07
10/10/23 1:00	1907.51	10/10/23 1:11	1901.69	10/10/23 1:00	1862.33	10/10/23 1:00	1872.06
10/10/23 2:00	1907.50	10/10/23 2:11	1901.66	10/10/23 2:00	1862.30	10/10/23 2:00	1872.07
10/10/23 3:00	1907.53	10/10/23 3:11	1901.69	10/10/23 3:00	1862.31	10/10/23 3:00	1872.07
10/10/23 4:00	1907.52	10/10/23 4:11	1901.71	10/10/23 4:00	1862.31	10/10/23 4:00	1872.05
10/10/23 5:00	1907.52	10/10/23 5:11	1901.66	10/10/23 5:00	1862.31	10/10/23 5:00	1872.07
10/10/23 6:00	1907.52	10/10/23 6:11	1901.71	10/10/23 6:00	1862.32	10/10/23 6:00	1872.07
10/10/23 7:00	1907.52	10/10/23 7:11	1901.69	10/10/23 7:00	1862.28	10/10/23 7:00	1872.07
10/10/23 8:00	1907.52	10/10/23 8:11	1901.71	10/10/23 8:00	1862.32	10/10/23 8:00	1872.06
10/10/23 9:00	1907.50	10/10/23 9:11	1901.64	10/10/23 9:00	1862.30	10/10/23 9:00	1872.08
10/10/23 10:00	1907.51	10/10/23 10:11	1901.70	10/10/23 10:00	1862.33	10/10/23 10:00	1872.06
10/10/23 11:00	1907.51	10/10/23 11:11	1901.70	10/10/23 11:00	1862.31	10/10/23 11:00	1872.06
10/10/23 12:00	1907.51	10/10/23 12:11	1901.67	10/10/23 12:00	1862.28	10/10/23 12:00	1872.06
10/10/23 13:00	1907.53	10/10/23 13:11	1901.70	10/10/23 13:00	1862.30	10/10/23 13:00	1872.08
10/10/23 14:00	1907.51	10/10/23 14:11	1901.71	10/10/23 14:00	1862.26	10/10/23 14:00	1872.07
10/10/23 15:00	1907.52	10/10/23 15:11	1901.69	10/10/23 15:00	1862.29	10/10/23 15:00	1872.09
10/10/23 16:00	1907.51	10/10/23 16:11	1901.70	10/10/23 16:00	1862.29	10/10/23 16:00	1872.08
10/10/23 17:00	1907.52	10/10/23 17:11	1901.70	10/10/23 17:00	1862.31	10/10/23 17:00	1872.07
10/10/23 18:00	1907.49	10/10/23 18:11	1901.71	10/10/23 18:00	1862.29	10/10/23 18:00	1872.06
10/10/23 19:00	1907.52	10/10/23 19:11	1901.70	10/10/23 19:00	1862.28	10/10/23 19:00	1872.08
10/10/23 20:00	1907.50	10/10/23 20:11	1901.69	10/10/23 20:00	1862.27	10/10/23 20:00	1872.09
10/10/23 21:00	1907.49	10/10/23 21:11	1901.72	10/10/23 21:00	1862.28	10/10/23 21:00	1872.08
10/10/23 22:00	1907.51	10/10/23 22:11	1901.70	10/10/23 22:00	1862.29	10/10/23 22:00	1872.08

MW-A Transducer	Ground Elv = 1912.81	MW-B Transducer	Ground Elv = 1906.23	MW-C Transducer	Ground Elv = 1871.12	MW-D Transducer	Ground Elv = 1874.15
10/10/23 23:00	1907.49	10/10/23 23:11	1901.69	10/10/23 23:00	1862.28	10/10/23 23:00	1872.06
10/11/23 0:00	1907.52	10/11/23 0:11	1901.71	10/11/23 0:00	1862.30	10/11/23 0:00	1872.07
10/11/23 1:00	1907.49	10/11/23 1:11	1901.69	10/11/23 1:00	1862.26	10/11/23 1:00	1872.07
10/11/23 2:00	1907.48	10/11/23 2:11	1901.75	10/11/23 2:00	1862.27	10/11/23 2:00	1872.08
10/11/23 3:00	1907.50	10/11/23 3:11	1901.70	10/11/23 3:00	1862.26	10/11/23 3:00	1872.09
10/11/23 4:00	1907.50	10/11/23 4:11	1901.71	10/11/23 4:00	1862.26	10/11/23 4:00	1872.08
10/11/23 5:00	1907.48	10/11/23 5:11	1901.70	10/11/23 5:00	1862.25	10/11/23 5:00	1872.06
10/11/23 6:00	1907.47	10/11/23 6:11	1901.70	10/11/23 6:00	1862.23	10/11/23 6:00	1872.07
10/11/23 7:00	1907.47	10/11/23 7:11	1901.70	10/11/23 7:00	1862.24	10/11/23 7:00	1872.06
10/11/23 8:00	1907.49	10/11/23 8:11	1901.69	10/11/23 8:00	1862.21	10/11/23 8:00	1872.09
10/11/23 9:00	1907.45	10/11/23 9:11	1901.66	10/11/23 9:00	1862.24	10/11/23 9:00	1872.07
10/11/23 10:00	1907.44	10/11/23 10:11	1901.67	10/11/23 10:00	1862.19	10/11/23 10:00	1872.05
10/11/23 11:00	1907.43	10/11/23 11:11	1901.63	10/11/23 11:00	1862.20	10/11/23 11:00	1872.05
10/11/23 12:00	1907.40	10/11/23 12:11	1901.64	10/11/23 12:00	1862.21	10/11/23 12:00	1872.04
10/11/23 13:00	1907.40	10/11/23 13:11	1901.63	10/11/23 13:00	1862.21	10/11/23 13:00	1872.04
10/11/23 14:00	1907.41	10/11/23 14:11	1901.62	10/11/23 14:00	1862.19	10/11/23 14:00	1872.03
10/11/23 15:00	1907.40	10/11/23 15:11	1901.61	10/11/23 15:00	1862.19	10/11/23 15:00	1872.01
10/11/23 16:00	1907.41	10/11/23 16:11	1901.63	10/11/23 16:00	1862.21	10/11/23 16:00	1872.00
10/11/23 17:00	1907.44	10/11/23 17:11	1901.60	10/11/23 17:00	1862.19	10/11/23 17:00	1872.04
10/11/23 18:00	1907.44	10/11/23 18:11	1901.61	10/11/23 18:00	1862.19	10/11/23 18:00	1872.03
10/11/23 19:00	1907.42	10/11/23 19:11	1901.59	10/11/23 19:00	1862.19	10/11/23 19:00	1871.99
10/11/23 20:00	1907.39	10/11/23 20:11	1901.60	10/11/23 20:00	1862.16	10/11/23 20:00	1872.03
10/11/23 21:00	1907.40	10/11/23 21:11	1901.56	10/11/23 21:00	1862.15	10/11/23 21:00	1872.02
10/11/23 22:00	1907.40	10/11/23 22:11	1901.58	10/11/23 22:00	1862.13	10/11/23 22:00	1872.01
10/11/23 23:00	1907.37	10/11/23 23:11	1901.57	10/11/23 23:00	1862.14	10/11/23 23:00	1872.02
10/12/23 0:00	1907.41	10/12/23 0:11	1901.56	10/12/23 0:00	1862.15	10/12/23 0:00	1872.03
10/12/23 1:00	1907.38	10/12/23 1:11	1901.52	10/12/23 1:00	1862.17	10/12/23 1:00	1871.99
10/12/23 2:00	1907.37	10/12/23 2:11	1901.53	10/12/23 2:00	1862.15	10/12/23 2:00	1871.99
10/12/23 3:00	1907.36	10/12/23 3:11	1901.53	10/12/23 3:00	1862.15	10/12/23 3:00	1871.99

MW-A Transducer	Ground Elv = 1912.81	MW-B Transducer	Ground Elv = 1906.23	MW-C Transducer	Ground Elv = 1871.12	MW-D Transducer	Ground Elv = 1874.15
10/12/23 4:00	1907.36	10/12/23 4:11	1901.51	10/12/23 4:00	1862.11	10/12/23 4:00	1871.99
10/12/23 5:00	1907.38	10/12/23 5:11	1901.52	10/12/23 5:00	1862.13	10/12/23 5:00	1871.97
10/12/23 6:00	1907.37	10/12/23 6:11	1901.53	10/12/23 6:00	1862.11	10/12/23 6:00	1871.98
10/12/23 7:00	1907.33	10/12/23 7:11	1901.53	10/12/23 7:00	1862.11	10/12/23 7:00	1871.98
10/12/23 8:00	1907.37	10/12/23 8:11	1901.47	10/12/23 8:00	1862.10	10/12/23 8:00	1871.98
10/12/23 9:00	1907.35	10/12/23 9:11	1901.51	10/12/23 9:00	1862.08	10/12/23 9:00	1871.96
10/12/23 10:00	1907.32	10/12/23 10:11	1901.49	10/12/23 10:00	1862.10	10/12/23 10:00	1871.95
		10/12/23 11:11	1901.46	10/12/23 11:00	1862.07	10/12/23 11:00	1871.96
			1901.46	10/12/23 12:00	1862.09	10/12/23 12:00	1871.95

Table 10: Corrected transducer data for site wells during Pilot Test period.

APPENDIX B

LABORATORY DATA SHEETS

LabTest
201 East D Street, Yakima, WA 98908 (509) 469-TEST

Geologic MW

Lab/Sample No: Below	**Date Collected: 08/23/23**	
Date Received: 08/24/23	**Date Reported: 09/12/23**	**Supervisor: BKO**
	Sampled By: Drew R	
Sample Location: 6336402		**Invoice#: 19951**

Send Report To:	Sample Information
Gregory Geologic LLC Guy Gregory **6205 E Clements Lane** **Spokane, WA 99217**	**Taneum Creek Pilot**

Geologic MW

Analyte	Matrix Units	LAB Sample Number: 23010402 MW-A GW Results	23010403 MW-A-D GW Results	23010404 MW-B GW Results	23010405 MW-C GW Results		Method	Date Analyzed	Analyst
fecal coliforms	cfu/100 mL	<1	<1	<1	<1		SM 9222D	08/24/23	AP
E. coli	cfu/100 mL	<1	<1	<1	<1		SM 9223B	08/24/23	AP
TSS	mg/L	4	3	5	3		SM 2540D	08/24/23	AP
Nitrate	mg/L	3.31	3.39	0.023	0.471		EPA 352.2	08/25/23	AP
Total Arsenic	mg/L	0.0007	0.0007	0.001	0.0001		EPA 200.8	09/06/23	DBA
Dis Arsenic	mg/L	0.0006	0.0006	0.001	0.0001		EPA 200.8	09/06/23	DBA
Total Cadmium	mg/L	0.0001	0.0001	0.0001	0.0001		EAP 200.8	09/06/23	DBA
Diss Cadmium	mg/L	0.0001	0.0001	0.0001	0.0001		EPA 200.8	09/06/23	DBA
Total Chromium	mg/L	0.0002	0.0002	0.0001	0.0001		EPA 200.8	09/06/23	DBA
Dis Chromium	mg/L	0.0001	0.0001	0.0001	0.0001		EPA 200.8	09/06/23	DBA
Total Lead	mg/L	0.0001	0.0001	0.0001	0.0001		EPA 200.8	09/06/23	DBA
Dis Lead	mg/L	0.0001	0.0001	0.0001	0.0001		EPA 200.8	09/06/23	DBA
Total Zinc	mg/L	0.017	0.018	0.013	0.011		EPA 200.8	08/25/23	DBA
Dis Zinc	mg/L	0.019	0.032	0.020	0.016		EPA 200.8	08/25/23	DBA

MRL (Method Reporting Level): Indicates the minimum reporting level required and obtained by the laboratory (always >MDL).

Trigger: DOH Drinking Water response level.

MCL (maximum contaminant level): Highest level recommended by the federal government for public water systems.

ND (Not Detected): Indicates this compound was analyzed and not detected at a level greater than or equal to the MRL.

Approved By: _____

LabTest
201 East D Street, Yakima, WA 98908 (509) 469-TEST

Geologic MW

Lab/Sample No: Below	**Date Collected: 08/23/23**		
Date Received: 08/24/23	**Date Reported: 09/12/23**	**Supervisor: BKO**	
	Sampled By: Drew R		
Sample Location: 6336402		**Invoice#: 19951**	

Send Report To:	Sample Information
Gregory Geologic LLC Guy Gregory	**Taneum Creek Pilot**
6205 E Clements Lane	
Spokane, WA 99217	

Geologic MW

Analyte	Matrix Units	23010406 MW-D GW Results	23010407 TCH SW Results	23010408 FB DI-W Results			Method	Date Analyzed	Analyst
fecal coliforms	cfu/100 mL	<1	7.2	<1			SM 9222D	08/24/23	AP
E. coli	cfu/100 mL	<1	<1	<1			SM 9223B	08/24/23	AP
TSS	mg/L	4	5	1			SM 2540D	08/24/23	AP
Nitrate	mg/L	0.005	0.001	ND			EPA 300.0	08/25/23	AP
Total Arsenic	mg/L	0.0001	0.0001	ND			EPA 200.8	09/06/23	DBA
Dis Arsenic	mg/L	0.0001	0.0001	ND			EPA 200.8	09/06/23	DBA
Total Cadmium	mg/L	0.0001	0.0001	ND			EAP 200.8	09/06/23	DBA
Diss Cadmium	mg/L	0.0001	0.0001	ND			EPA 200.8	09/06/23	DBA
Total Chromium	mg/L	0.0001	0.0001	ND			EPA 200.8	09/06/23	DBA
Dis Chromium	mg/L	0.0001	0.0001	ND			EPA 200.8	09/06/23	DBA
Total Lead	mg/L	0.0001	0.0001	ND			EPA 200.8	09/06/23	DBA
Dis Lead	mg/L	0.0001	0.0001	ND			EPA 200.8	09/06/23	DBA
Total Zinc	mg/L	0.019	0.016	ND			EPA 200.8	08/25/23	DBA
Dis Zinc	mg/L	0.016	0.012	ND			EPA 200.8	08/25/23	DBA

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LabTest
201 East D Street, Yakima, WA 98908 (509) 469-TEST

Geologic MW

Lab/Sample No: Below	**Date Collected:** 09/20/23	
Date Received: 09/21/23	**Date Reported:** 10/04/23	**Supervisor:** BKO
	Sampled By: Drew R	
Sample Location: 6336402		**Invoice#:** 20191

Send Report To:

Gregory Geologic LLC Guy Gregory
6205 E Clements Lane
Spokane, WA 99217

Sample Information

Taneum Creek Pilot

Geologic MW

Analyte	Matrix Units	23011225 MW-A GW Results	23011226 MW-B GW Results	23011227 MW-C GW Results	23011228 MW-D GW Results		Method	Date Analyzed	Analyst
fecal coliforms	cfu/100 mL	4.00	<1	<1	<1		SM 9222D	09/21/23	DBA
E. coli	cfu/100 mL	<1	<1	<1	<1		SM 9223B	09/21/23	DBA
TSS	mg/L	6	2	3	2		SM 2540D	09/27/23	GEH
Nitrate	mg/L	4.80	0.327	0.670	0.253		EPA 352.2	09/22/23	AP
Total Arsenic	mg/L	0.001	0.0010	0.0005	0.0020		EPA 200.8	09/26/23	DBA
Dis Arsenic	mg/L	0.001	0.0010	0.0005	0.0020		EPA 200.8	09/26/23	DBA
Total Cadmium	mg/L	0.0001	0.0001	0.0001	0.0001		EAP 200.8	09/26/23	DBA
Diss Cadmium	mg/L	0.0001	0.0001	0.0001	0.0001		EPA 200.8	09/26/23	DBA
Total Chromium	mg/L	0.0001	0.0001	0.0001	0.0002		EPA 200.8	09/26/23	DBA
Dis Chromium	mg/L	0.0001	0.0001	0.0001	0.0002		EPA 200.8	09/26/23	DBA
Total Lead	mg/L	0.0001	0.0001	0.0001	0.0001		EPA 200.8	09/26/23	DBA
Dis Lead	mg/L	0.0001	0.0001	0.0001	0.0001		EPA 200.8	09/26/23	DBA
Total Zinc	mg/L	0.137	0.095	0.018	0.021		EPA 200.8	10/03/23	DBA
Dis Zinc	mg/L	0.060	0.066	0.095	0.092		EPA 200.8	10/03/23	DBA

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Geologic MW

Lab/Sample No: Below	**Date Collected: 09/20/23**		
Date Received: 09/21/23	**Date Reported: 10/04/23**	**Supervisor: BKO**	
	Sampled By: Drew R		
Sample Location: 6336402		**Invoice#: 20191**	

Send Report To:	Sample Information
Gregory Geologic LLC Guy Gregory	**Taneum Creek Pilot**
6205 E Clements Lane	
Spokane, WA 99217	

Geologic MW

Analyte	Matrix Units	23011229 SW-1 SW Results	23011231 MW-A-D GW Results	23011230 FB DI-W Results			Method	Date Analyzed	Analyst
fecal coliforms	cfu/100 mL	9	<1	<1			SM 9222D	09/21/23	DBA
E. coli	cfu/100 mL	<1	<1	<1			SM 9223B	09/21/23	DBA
TSS	mg/L	2	4	<1			SM 2540D	09/27/23	GEH
Nitrate	mg/L	0.254	0.215	ND			EPA 300.0	09/22/23	AP
Total Arsenic	mg/L	0.0001	0.0001	ND			EPA 200.8	09/26/23	DBA
Dis Arsenic	mg/L	0.0001	0.0001	ND			EPA 200.8	09/26/23	DBA
Total Cadmium	mg/L	0.0001	0.0001	ND			EAP 200.8	09/26/23	DBA
Diss Cadmium	mg/L	0.0001	0.0001	ND			EPA 200.8	09/26/23	DBA
Total Chromium	mg/L	0.0001	0.0001	ND			EPA 200.8	09/26/23	DBA
Dis Chromium	mg/L	0.0001	0.0001	ND			EPA 200.8	09/26/23	DBA
Total Lead	mg/L	0.0001	0.0001	ND			EPA 200.8	09/26/23	DBA
Dis Lead	mg/L	0.021	0.0110	ND			EPA 200.8	09/26/23	DBA
Total Zinc	mg/L	0.078	0.067	ND			EPA 200.8	10/03/23	DBA
Dis Zinc	mg/L						EPA 200.8	10/03/23	DBA

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