Water Quality Monitoring Report—2025

Sacramento Municipal Utility District

Hydro License Implementation • June 2026

Upper American River Project

FERC Project No. 2101

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ACRONYMS AND ABBREVIATIONS

Acronym	Definition
uS/cm	microsiemen per centimeter
°C	degree Celsius
CFU	colony-forming unit
COLD	cold freshwater habitat
Didymo	*Didymosphenia geminata*
E. coli	*Escherichia coli*
FERC	Federal Energy Regulatory Commission
m	meter
MDL	method detection limit
mg/L	milligram per liter
mL	milliliter
MPN	most probable number
NTU	nephelometric turbidity units
Plan	Water Quality Monitoring Plan, Revision 3
REC-1	recreational water contact
Report	Water Quality Monitoring Report
SFAR	South Fork American River
SMUD	Sacramento Municipal Utility District
SPWN	spawning, reproduction, and/or early development
s.u.	standard unit of pH
SWRCB	State Water Resources Control Board
UARP	Upper American River Project
Water Quality Control Plan	Water Quality Control Plan for Inland Surface Waters, Enclosed Bays, and Estuaries of California

1.0 INTRODUCTION AND BACKGROUND

This Water Quality Monitoring Report (Report) addresses monitoring requirements set forth in the Sacramento Municipal Utility District's (SMUD) Water Quality Monitoring Plan, Revision 3 (Plan) (SMUD 2021a). Requirements for the Plan are found in State Water Resources Control Board (SWRCB) Condition 8.J, and U.S. Department of Agriculture, Forest Service 4(e) Condition 31.10, located in Appendices A and B, respectively, of the Federal Energy Regulatory Commission's (FERC) Order Issuing New License for the Upper American River Project (UARP, FERC Project No. 2101), dated 23 July 2014. SMUD developed the Plan in coordination with the Consultation Group and Resource Agencies stipulated in the License (FERC 2014, SMUD 2015a). The Plan was revised in 2015 (Revision 1) (SMUD 2015b), 2016 (Revision 2) (SMUD 2016), and 2021 (Revision 3) (SMUD 2021a) to update the referenced analytical methods for various sub-programs within the Plan. Revision 3 of the Plan reduced the bacterial monitoring frequency at several sites to occur only during even years (e.g., 2022, 2024, 2026) because no exceedances of the 2018 Basin Plan (CRWQCB 2018) or the 2019 Revised Basin Plan (CRWQCB 2019) objectives for the recreational water contact (REC-1) designated beneficial use were identified at these sites during the 2015 through 2020 monitoring period (SMUD 2020, 2021b; CRWQCB 2018).

This Report describes the results of the eleventh year (2025) of water quality monitoring of basic *in situ* parameters and bacteria for the UARP.

SMUD owns and operates the UARP. The UARP lies within El Dorado and Sacramento counties, primarily within lands of the Eldorado National Forest. The UARP consists of three major storage reservoirs (Loon Lake, Union Valley, and Ice House) with a combined capacity of approximately 379,000 acre-feet, eight smaller regulating or diversion reservoirs, and eight powerhouses. The UARP also includes recreation facilities containing more than 700 campsites, five boat ramps, hiking paths, and bicycle trails at the reservoirs.

2.0 MONITORING OBJECTIVE

The objective of the 2025 monitoring program was to perform *in situ* water quality and bacteria monitoring in UARP reservoirs and stream reaches to meet the objectives and rationale of SWRCB Water Quality Certification Condition 8.J.

The rationale for water quality monitoring, as described by the SWRCB Water Quality Certification, is as follows:

> Water quality monitoring is important for determining compliance with state and federal water quality standards and examining long-term trends in water quality. The frequency of monitoring for any compound can be reduced if shown to be at background or non-detect levels for a statistically significant period of time.

3.0 STUDY AREA

The study area included UARP reservoirs and diverted stream reaches. Nine UARP reservoirs (Rubicon, Buck Island, Loon Lake, Gerle Creek, Ice House, Union Valley, Junction, Camino, and Slab Creek) were included in the 2025 monitoring program; Brush Creek Reservoir and the relatively small Robbs Peak Forebay (30 acre-feet) were not included. Rockbound Lake, although hydraulically associated with the UARP, is not a UARP reservoir and is not included within the FERC-defined UARP boundary. The diverted stream reaches included in the monitoring program represent all streams and rivers downstream of UARP reservoirs (Figure 3-1).

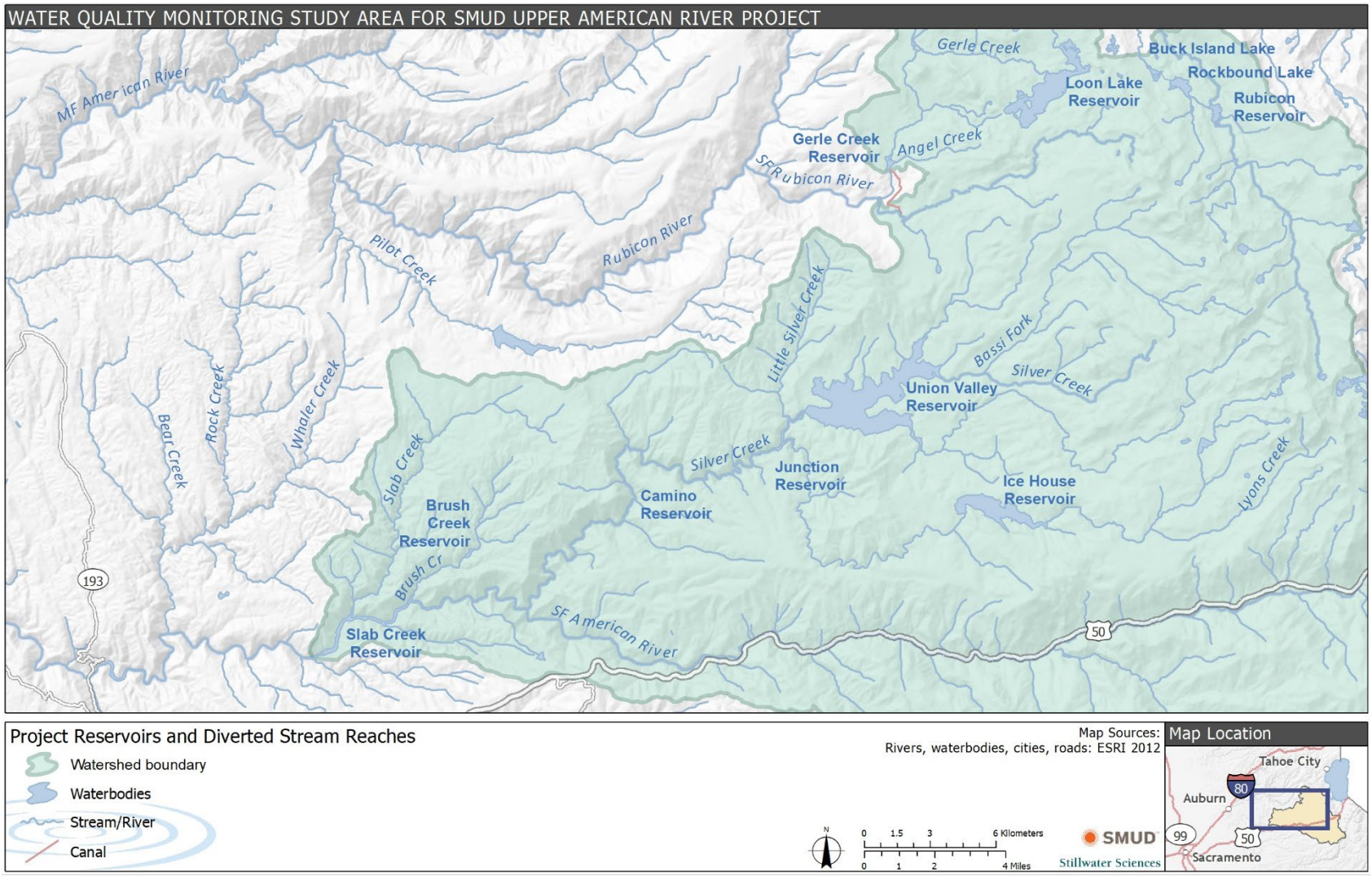

Figure 3-1. Study area for SMUD Upper American River Project *in situ* and bacteria monitoring.

4.0 SAMPLING FREQUENCY AND LOCATIONS

Year 11 (2025) sampling frequency for *in situ* water quality was consistent with winter, spring, summer, and fall monitoring periods designated in the Plan (SMUD 2021a) (Table 4-1). Required bacteria monitoring in 2025 was conducted by sampling the middle elevation UARP reservoir sites (Union Valley, Junction, Ice House, Slab Creek) during the 30-day period surrounding Independence Day.

Table 4-1. Year 11 (2025) Sampling Frequency for *In Situ* Parameters and Bacteria.

Type	Frequency
In situ reservoir	Once in spring: April–May Once in fall: October–November
In situ riverine	Once in winter: January–February Once in spring: April–May Once in summer: August Once in fall: November
Bacteria	Five samples within 30 days: Around Independence Day

Specific sampling locations within reservoirs and diverted stream reaches varied depending on the water quality parameter or constituent of interest. As specified in the Plan, *in situ* monitoring occurred at 15 representative reservoir locations (Figure 4-1 and Figure 4-2, Table 4-2) and 19 representative stream reaches (Figure 4-1 and Figure 4-2, Table 4-3). Seven riverine sites could not be safely sampled during the winter surveys due to snow accumulation (Table 4-4). Bacteria sampling occurred at five locations in 2025, following the updated bacterial monitoring schedule in Revision 3 of the Plan (Figure 4-1 and Figure 4-2, Table 4-5) (SMUD 2021a).

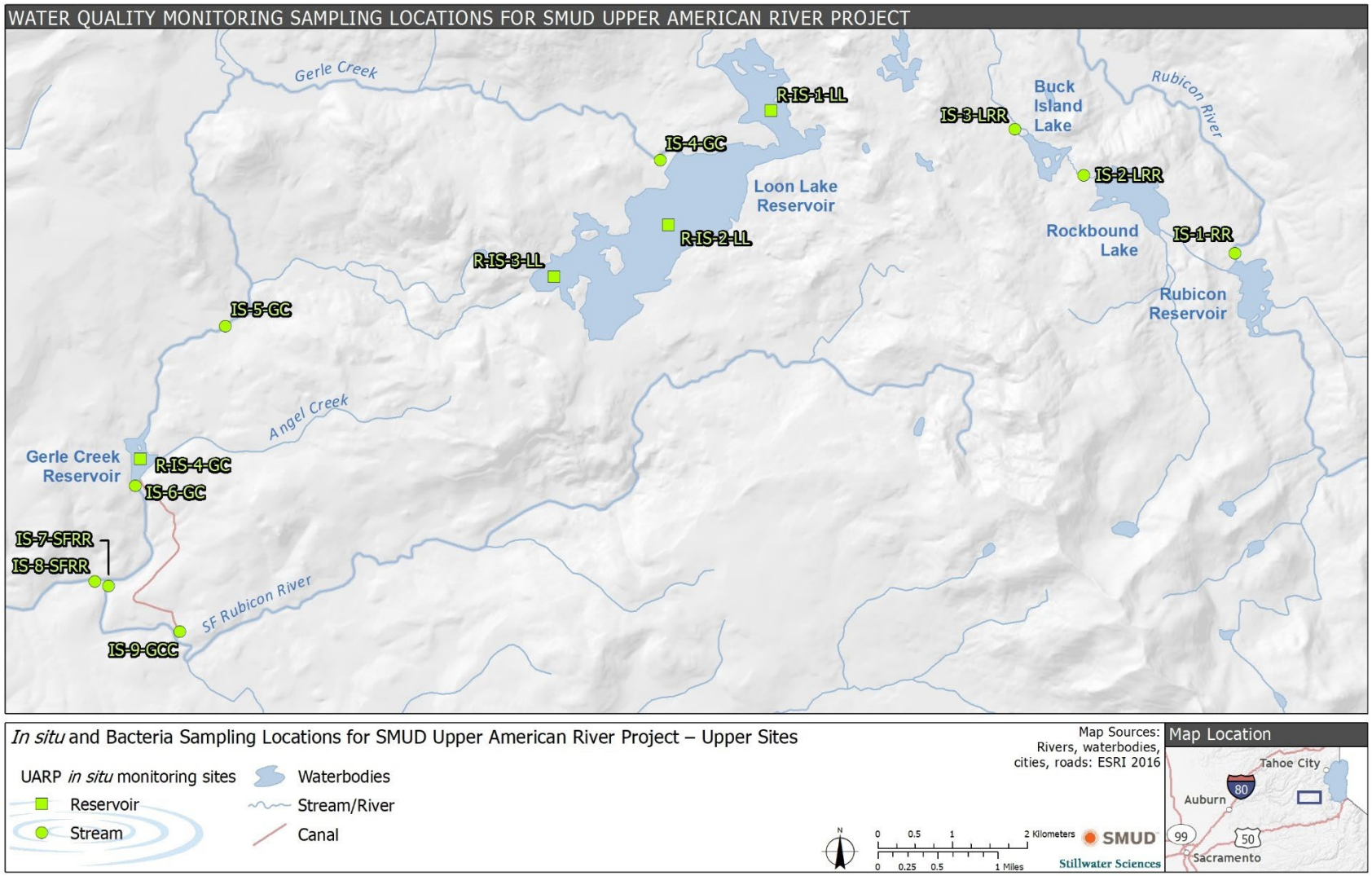

Figure 4-1. *In situ* water quality sampling locations for SMUD Upper American River Project—upper elevation sites, 2025.

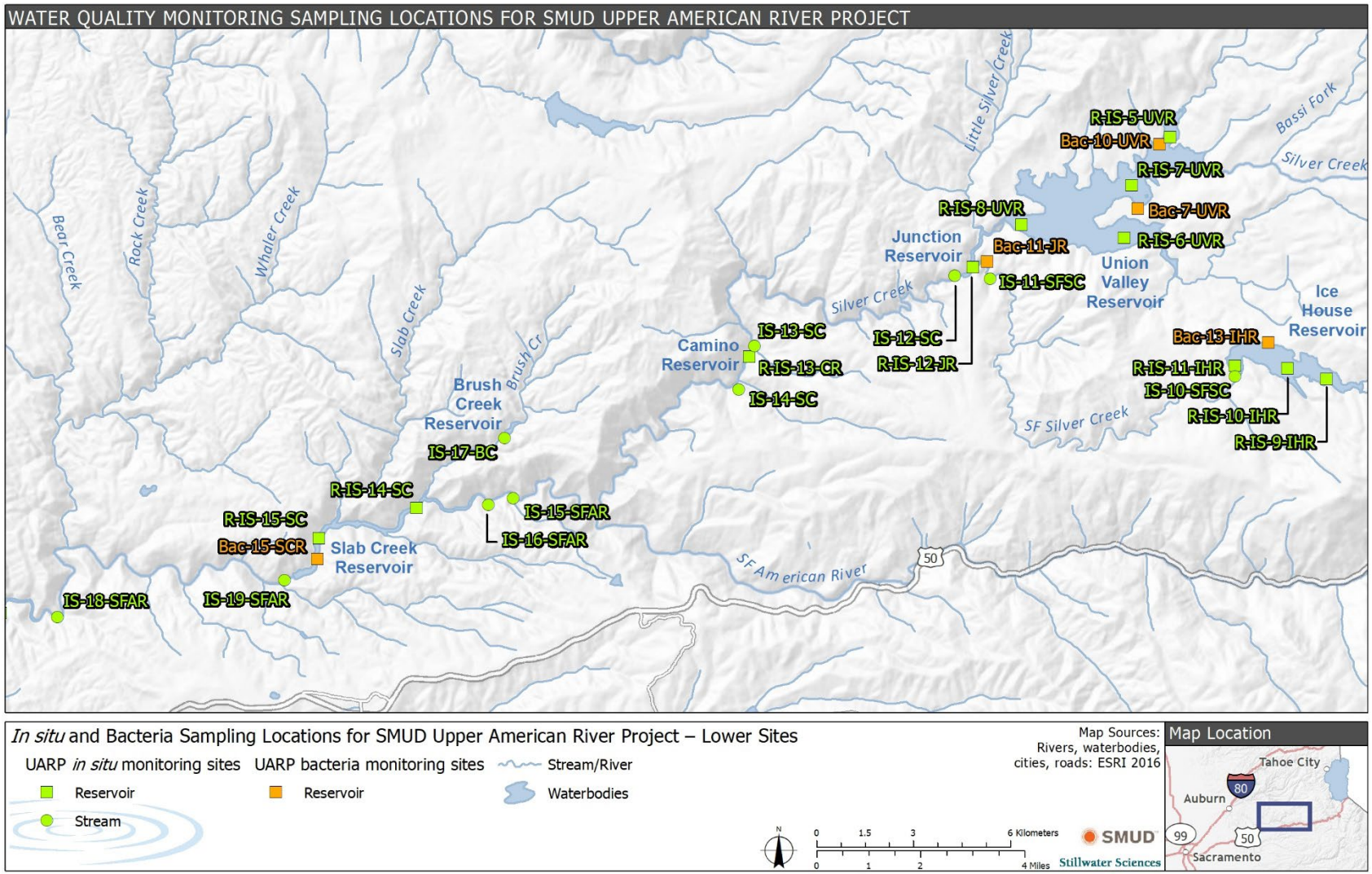

Figure 4-2. *In situ* water quality and bacteria sampling locations for SMUD Upper American River Project—lower and middle elevation sites, 2025.

Table 4-2. *In Situ* Water Quality Sampling Locations and Dates for SMUD Upper American River Project—Reservoir Sites, 2025.

SMUD Site Name	Site ID	Location	Sample Date
R-4C	R-IS-1-LL	Loon Lake Reservoir, upper reservoir (northeast body)	5/14, 11/12
R-4B	R-IS-2-LL	Loon Lake Reservoir, mid-reservoir (west body)	5/14, 11/12
R-4A	R-IS-3-LL	Loon Lake Reservoir, near dam	5/14, 11/12
R-5	R-IS-4-GC	Gerle Creek Reservoir, mid-reservoir	5/14, 11/7
R-6C	R-IS-5-UVR	Union Valley Reservoir, Robbs Powerhouse tailrace zone	5/12, 11/19
R-6D	R-IS-6-UVR	Union Valley Reservoir, Jones Fork Silver Creek arm	5/13, 11/19
R-6B	R-IS-7-UVR	Union Valley Reservoir, mid-reservoir	5/12, 11/19
R-6A	R-IS-8-UVR	Union Valley Reservoir, near dam	5/13, 11/19
R-7C	R-IS-9-IHR	Ice House Reservoir, upper lake body	5/8, 11/12
R-7B	R-IS-10-IHR	Ice House Reservoir, mid-reservoir	5/8, 11/12
R-7A	R-IS-11-IHR	Ice House Reservoir, near dam	5/8, 11/12
R-8	R-IS-12-JR	Junction Reservoir, mid-reservoir between arms	5/7, 11/10
R-9	R-IS-13-CR	Camino Reservoir, mid-reservoir	5/7, 11/10
R-11B	R-IS-14-SC	Slab Creek Reservoir, upper reservoir	5/9, 11/11
R-11A	R-IS-15-SC	Slab Creek Reservoir, mid-reservoir	5/9, 11/11

Table 4-3. *In Situ* Water Quality Sampling Locations and Dates for SMUD Upper American River Project—Riverine Sites, 2025.

SMUD Site Name	Site ID	Location	Sample Date
2	IS-1-RR	Rubicon River outflow from Rubicon Reservoir	5/20, 8/14, 11/4
5	IS-2-LRR	Little Rubicon River outflow from Rockbound Lake	5/20, 8/14, 11/4
6	IS-3-LRR	Little Rubicon River outflow from Buck Island Reservoir	5/20, 8/14, 11/4
7	IS-4-GC	Gerle Creek outflow from Loon Lake Reservoir	5/14, 8/13, 11/19
14	IS-5-GC	Gerle Creek inflow to Gerle Creek Reservoir	5/13, 8/14, 11/19
15	IS-6-GC	Gerle Creek outflow from Gerle Creek Reservoir	1/27, 5/13, 8/14, 11/7
18	IS-7-SFRR	South Fork Rubicon River upstream of Gerle Creek confluence	5/13, 8/14, 11/7
19	IS-8-SFRR	South Fork Rubicon River downstream of Gerle Creek confluence	5/13, 8/14, 11/7
16	IS-9-GCC	Gerle Creek Canal inflow to Robbs Forebay	1/27, 5/13, 8/14, 11/7
25	IS-10-SFSC	S.F. Silver Creek outflow from Ice House Reservoir	1/27, 5/8, 8/11, 11/7
27	IS-11-SFSC	S.F. Silver Creek inflow to Junction Reservoir	1/27, 5/5, 8/11, 11/5
29	IS-12-SC	Silver Creek outflow from Junction Reservoir	1/27, 5/5, 8/11, 11/5
32	IS-13-SC	Silver Creek inflow to Camino Reservoir	1/27, 5/5, 8/11, 11/5
34	IS-14-SC	Silver Creek outflow from Camino Reservoir	1/27, 5/5, 8/12, 11/5
38	IS-15-SFAR	South Fork American River (SFAR) upstream of Camino Powerhouse	1/28, 5/5, 8/12, 11/5
41	IS-16-SFAR	SFAR downstream of Camino Powerhouse	1/28, 5/5, 8/12, 11/5
40	IS-17-BC	Brush Creek outflow from Brush Creek Reservoir	1/28, 5/5, 8/12, 11/5
60	IS-18-SFAR	SFAR upstream of White Rock Powerhouse	1/28, 5/6, 8/12, 11/6
43	IS-19-SFAR	SFAR downstream of Slab Creek Reservoir	1/28, 5/6, 8/12, 11/6

Table 4-4. *In Situ* Water Quality Sampling Locations Not Sampled for SMUD Upper American River Project—Riverine and Reservoir Sites, 2025.

SMUD Site Name	Site ID	Location	Reason Not Sampled
Winter			
2	IS-1-RR	Rubicon River outflow from Rubicon Reservoir	Snow accumulation
5	IS-2-LRR	Little Rubicon River outflow from Rockbound Lake	Snow accumulation
6	IS-3-LRR	Little Rubicon outflow from Buck Island Reservoir	Snow accumulation
7	IS-4-GC	Gerle Creek outflow from Loon Lake Reservoir	Snow accumulation
14	IS-5-GC	Gerle Creek inflow to Gerle Creek Reservoir	Snow accumulation
18	IS-7-SFRR	South Fork Rubicon River upstream of Gerle Creek confluence	Snow accumulation
19	IS-8-SFRR	South Fork Rubicon River downstream of Gerle Creek confluence	Snow accumulation

Table 4-5. Bacteria Sampling Locations and Dates for SMUD Upper American River Project Sites, 2025.

Reservoir	SMUD Site Name	Site ID	Location	Sample Date
Union Valley Reservoir	R-6H	Bac-7-UVR	At Fashoda Beach	6/17, 6/26, 6/30, 7/7, 7/14
	R-6F	Bac-10-UVR	Near Yellowjacket Campground	6/17, 6/26, 6/30, 7/7, 7/14
Junction Reservoir	R-8B	Bac-11-JR	Near boat launch	6/17, 6/26, 6/30, 7/7, 7/14
Ice House Reservoir	69	Bac-13-IHR	East of boat launch and picnic area	6/17, 6/26, 6/30, 7/7, 7/14
Slab Creek Reservoir	R-11C	Bac-15-SCR	Near boat launch	6/17, 6/26, 6/30, 7/7, 7/14

5.0 METHODS

5.1 *IN SITU* PARAMETERS

A multi-probe sonde (Yellow Springs Instruments [YSI] EXO2S or EXO2) was used for measurement of *in situ* water quality parameters, including water temperature, conductivity, dissolved oxygen, pH, and turbidity (Table 5-1). Data were recorded on a field tablet using ArcGIS Survey123.

Table 5-1. *In Situ* Water Quality Parameters and Measurement Methods.

Parameter	Method	Units	MDL
Water temperature	EPA 170.1	Degree Celsius (ºC)	0.1
Conductivity	SM 2510-B	Microsiemen per centimeter (uS/cm)	1.0
Dissolved oxygen	SM 4500-O(G)	Milligram per liter (mg/L)	0.1
pH	SM 4500-H	Standard unit of pH (s.u.)	0.1
Turbidity	SM 2130B	Nephelometric turbidity unit (NTU)	0.1
Secchi depth (Secchi disk)	USGS	Meter (m)	0.1

Notes: EPA = U.S. Environmental Protection Agency
MDL = method detection limit
SM = Standard Method
USGS = U. S. Geological Survey

Reservoir *in situ* water quality monitoring was conducted by watercraft to access mid-reservoir areas (Figure 5-1). At each reservoir site, a vertical water column profile was collected at 1-meter (m) depth intervals for all *in situ* water quality parameters. For bottom water samples, the sonde was drawn back 0.5 m from the sediment layer before taking a reading. Prior to taking each reading, the sonde was allowed to stabilize (typically requiring no more than 90 seconds to 2 minutes, as needed). Water transparency was measured at reservoir stations with a standard 7.9-inch-diameter Secchi disk.

Figure 5-1. Example of mid-reservoir *in situ* water quality sampling site at Union Valley Reservoir (Site R-IS-8-UVR) during fall 2025 sampling.

At riverine sites, sonde readings were obtained where sufficient stream turbulence provided good lateral and vertical mixing of the water and as near as possible to the stream thalweg (Figure 5-2). Prior to taking each reading, the sonde was allowed to stabilize (typically requiring no more than 90 seconds to 2 minutes, as needed) such that there was little variability in parameter readings at each location.

Figure 5-2. Example of an *in situ* riverine water quality sampling site at the Rubicon River outflow from Rubicon Reservoir (Site IS-1-RR) during summer 2025 sampling.

For both reservoir and riverine *in situ* monitoring, sonde calibration was conducted prior to the start of each sampling day. Dissolved oxygen percent saturation calibrations were checked onsite, and dissolved oxygen percent saturation was recalibrated to account for barometric pressure variation with changes in altitude or local weather if the instrument reading differed from the standard by more than 1 percentage point. A post-sampling calibration check was conducted following each sampling day using standard solutions and recorded on a field tablet using ArcGIS Survey123 (Appendix A). Post-sampling and post-calibration values were compared and data were designated as *accepted*, *qualified*, or *rejected* based on the measurement quality objective criteria for each *in situ* parameter (Table 5-2).

Table 5-2. Measurement Quality Objective Criteria for *In Situ* Parameters.

Parameter	Units	Accept	Qualify	Reject
Dissolved oxygen	% saturation	≤5%	>5% and ≤10%	>10%
Specific conductance[1]	uS/cm	≤5%	>5% and ≤15%	>15%
pH	s.u.	≤0.2	>0.2 and ≤0.5	>0.5
Turbidity	NTU	≤5%[2]	>5% and ≤10%	>10%

Notes: ≤ = less than or equal to
> = greater than
uS/cm = microsiemen per centimeter
NTU = nephelometric turbidity unit
s.u.= standard unit

[1] Yellow Springs Instruments recommends calibrating the conductivity sensor using specific conductance as the calibration parameter. Calibrating for specific conductivity automatically calibrates for conductivity. See also Appendix A.

[2] Due to the inherent variation in deionized water turbidity, ±1 NTU on the deionized water post-sampling calibration check is considered acceptable. See also Appendix A.

Other data collected at each monitoring site included date, time, site name, sampling location, collector's name, weather conditions, and any other pertinent observations. Following each field event, data were added to a database template provided by SMUD for transfer into SMUD's master database.

5.2 BACTERIA

Bacteria grab samples were collected near reservoir shorelines in shallow water, particularly at swim areas and beaches (Table 4-5, Figure 5-3). Samples were collected in sterile bottles supplied by the analytical laboratory. Field sampling personnel wearing sterile gloves filled each sample bottle by direct immersion in the reservoir. Immediately after collection, samples were placed on ice for transport to the analytical laboratory within the required field hold time for fecal coliform and *Escherichia coli* (*E. coli*) analyses (Table 5-3).

Figure 5-3. Example of a bacteria sampling site at Slab Creek Reservoir (Site Bac-15-SCR).

Table 5-3. Bacteria Analytical Methods and Field Hold Times.

Analyte	Method	Units	MDL	Hold Time
Escherichia coli	SM9223B (Quantitray)	MPN/100 mL	1.0	8 hours
Fecal coliform	SM9221E (MPN 15 or 25)	MPN/100 mL	1.8	8 hours

Notes: MDL = method detection limit
MPN = most probable number
mL = milliliter
SM = standard method

Field-based quality assurance/quality control for bacterial samples included accurately and thoroughly completed sample labels and chain-of-custody forms (Appendix B). Sample labels included sample identification code, date, time, preservative, client name, collector name, reservoir name, sampling location, and analysis type.

6.0 RESULTS

6.1 *IN SITU* PARAMETERS

6.1.1 Reservoir Sites

In situ water quality data for selected UARP reservoir sites are presented in Figure 6-1 and Figure 6-2 as representative of vertical profiles at similar sites. Field data records are provided in Appendix C, and tabular and graphical profile data for all reservoirs are presented in Appendices D and E, respectively.

6.1.1.1 Water Temperature

During spring *in situ* sampling, reservoir surface water temperatures ranged from approximately 8 to 14 degrees Celsius (°C), and reservoir bottom water temperatures ranged from approximately 5 to 11°C (Appendix D, Table D-1; Appendix E, Figures E-1 through E-10). Loon Lake Reservoir sites generally exhibited a steady decrease in water temperature with depth (Appendix E, Figures E-1 and E-2). All Union Valley and Ice House reservoir sites, except for Site R-IS-8-UVR, exhibited a thermocline, defined as a temperature change of more than 1°C per 1.0 m of depth (Figure 6-1 and Appendix E, Figures E-4 through E-7). At Site R-IS-5-UVR, Site R-IS-6-UVR, and Site R-IS-7-UVR in Union Valley Reservoir, the thermocline was located within 7 m of the water surface. Ice House Reservoir sites exhibited a thermocline within 5 m of the water surface. The onset of thermal stratification was also evident in Junction Reservoir (Appendix E, Figure E-8). No stratification was observed in Camino Reservoir or Slab Creek Reservoir (Appendix E, Figures E-9 and E-10, respectively).

During fall *in situ* sampling, reservoir surface water temperatures ranged from approximately 9 to 13°C, and reservoir bottom water temperatures ranged from approximately 8 to 13°C (Figure 6-2; Appendix D, Table D-2; Appendix E, Figures E-11 through E-20). Site R-IS-11-IHR exhibited a thermocline at a depth of 15 m below the surface (Appendix E, Figure E-17). The remaining reservoir sites (e.g., Site R-IS-1-LL, Site R-IS-6-UVR, and Site R-IS-9-IHR) exhibited little to no variation in water temperature with depth, indicating well-mixed conditions (Figure 6-2 and Appendix E, Figures E-11, E-14, and E-16).

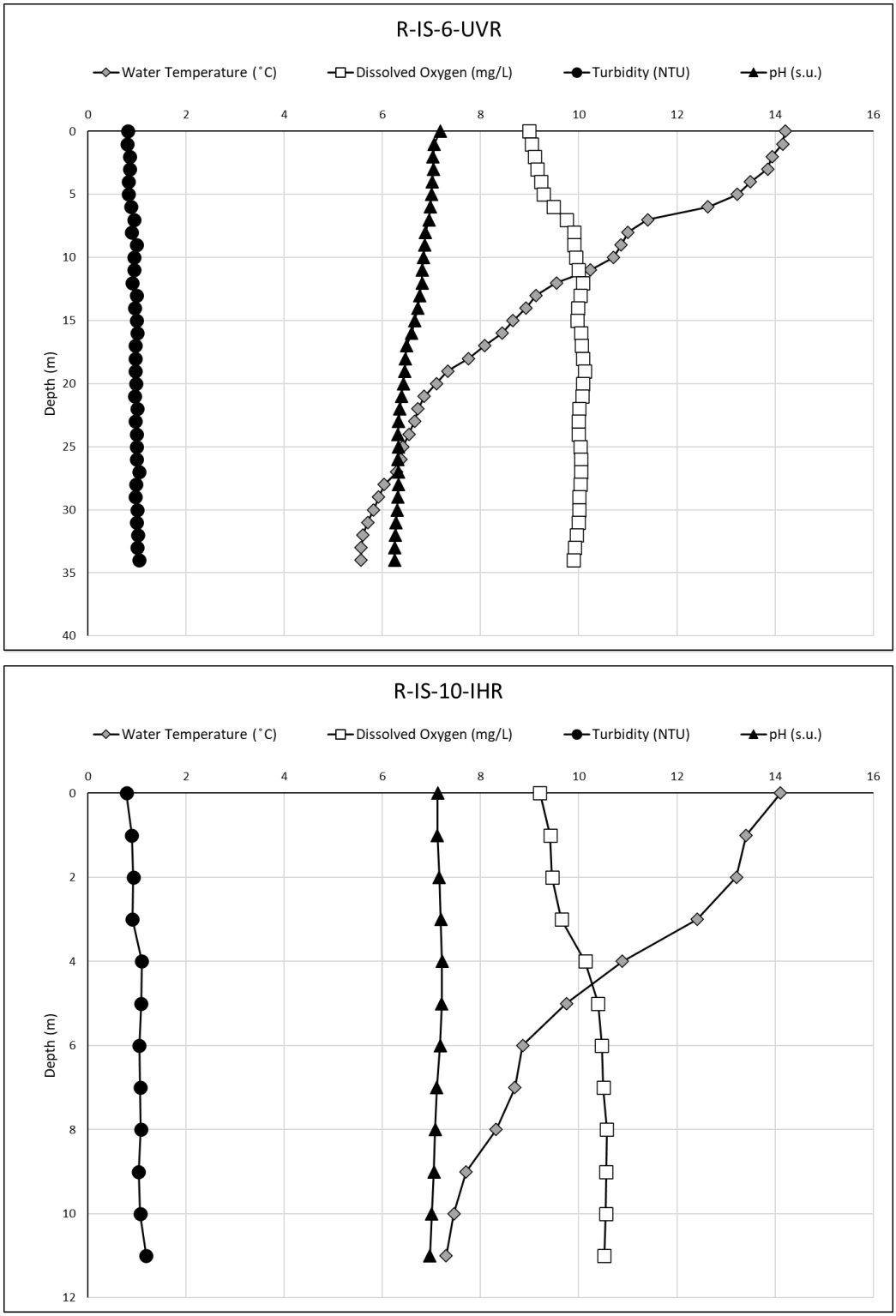

Figure 6-1. *In situ* water temperature, dissolved oxygen, turbidity, and pH at Union Valley Reservoir Site R-IS-6-UVR and Ice House Reservoir Site R-IS-10-IHR, spring 2025.

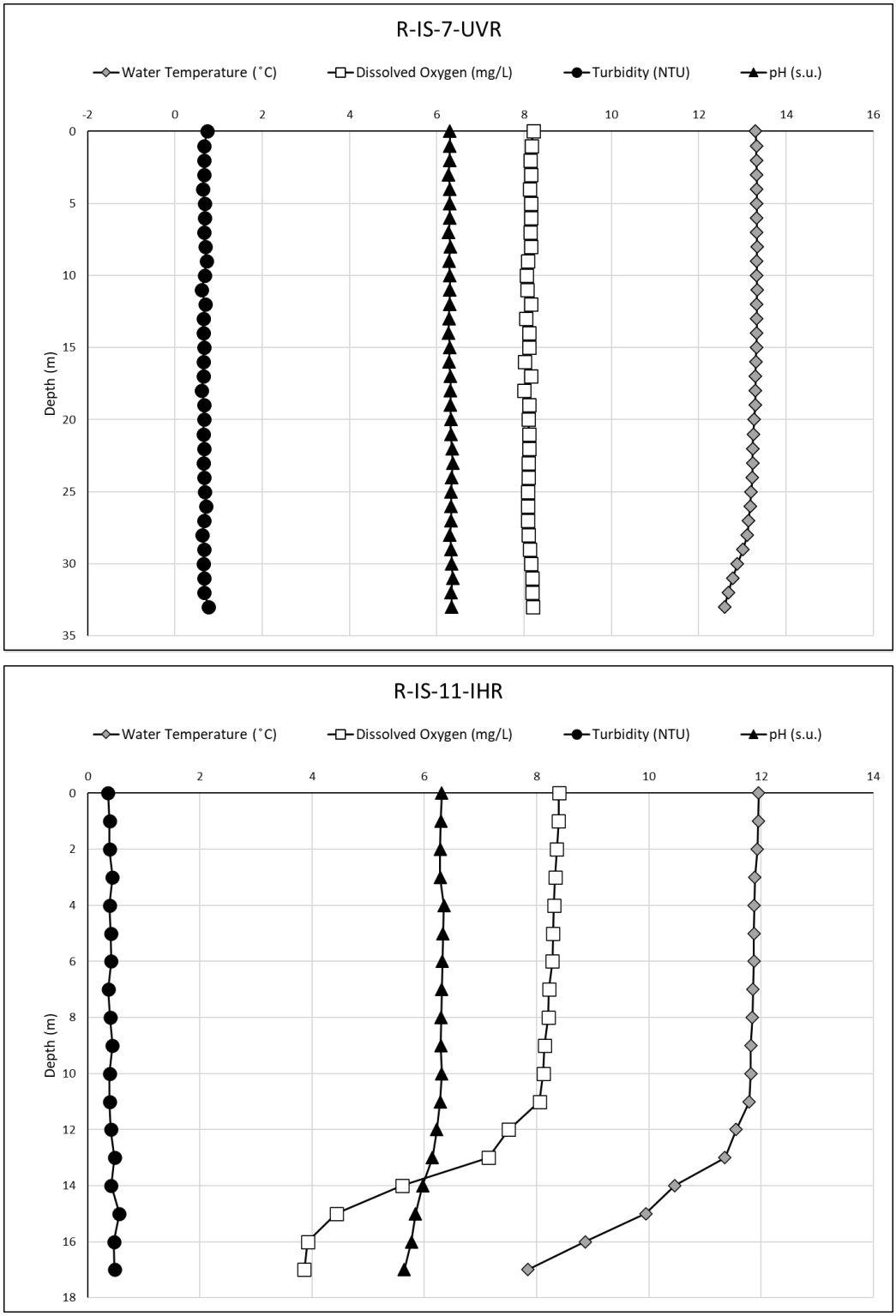

Figure 6-2. ***In situ*** **water temperature, dissolved oxygen, turbidity and pH at Union Valley Reservoir Site R-IS-7-UVR and Ice House Reservoir Site R-IS---11--IHR, fall 2025.**

6.1.1.2 pH

In general, pH was constant with increasing depth at most reservoir sites. Some sites in Loon Lake Reservoir (Site R-IS-1-LL), Union Valley Reservoir (Site R-IS-5-UVR, Site R-IS-6-UVR, Site R-IS-7-UVR, and Site R-IS-8-UVR), and Ice House Reservoir (Site R-IS-9-IHR) exhibited slight decreases in pH with depth in the spring (Figure 6-1; Appendix D, Table D-1; and Appendix E, Figures E-1 and E-4 through E-6). A decrease in pH with depth was observed in Gerle Creek Reservoir in the fall (Appendix D, Table D-2; Appendix E, Figure E-13). Reservoir pH ranged from 5.5 to 7.5 standard units (s.u.) in both the spring and fall (Appendix D, Tables D-1 and D-2). pH was below the Basin Plan (CRWQCB 2019) instantaneous minimum pH objective of 6.5 s.u. in portions of all Loon Lake Reservoir and Union Valley Reservoir profiles during the spring *in situ* sampling (Appendix D, Table D-1; Appendix E, Figures E-1, E-2, E-4, and E-5). During the fall *in situ* sampling event, pH was below the instantaneous minimum pH objective in the middle to bottom of the water column in Gerle Creek, Junction, and Camino reservoirs and throughout the water column at all Loon Lake Reservoir, Union Valley Reservoir, Ice House Reservoir, and Slab Creek Reservoir sites (Appendix D, Table D-2; Appendix E, Figures E-11 through E-20). No measurements exceeded the Basin Plan instantaneous maximum pH objective of 8.5 s.u.

6.1.1.3 Dissolved Oxygen

Dissolved oxygen concentrations were above the Basin Plan (CRWQCB 2019) instantaneous minimum objective of 7.0 milligrams per liter (mg/L) for cold freshwater habitat (COLD) and spawning, reproduction, and/or early development (SPWN) designated beneficial uses throughout the water column at all reservoir sites during spring *in situ* sampling, ranging from 9.0 mg/L to 11.2 mg/L (74 to 103% saturation) (Appendix D, Table D-1; Appendix E, Figures E-1 through E-10). Dissolved oxygen concentrations were lowest at the surface and generally increased with depth and decreasing water temperature (Appendix E, Figures E-1 through E-10). At Site R-IS-7-UVR, Site R-IS-8-UVR, and Site R-IS-11-IHR, the highest dissolved oxygen concentrations occurred within or near the thermocline before decreasing gradually with depth (Appendix E, Figures E-5 and E-7).

Dissolved oxygen concentrations at reservoir sites were generally constant with depth during fall *in situ* sampling, except for Site R-IS-8-UVR and Site R-IS-11-IHR, where decreases were observed near the bottom of the water column (Appendix E, Figure E-8 and Figure 6-2). Dissolved oxygen ranged from 3.9 mg/L (32% saturation) at the bottom of Site R-IS-11-IHR to 10.8 mg/L (95% saturation) at the surface of Site R-IS-14-SC. Dissolved oxygen fell below the Basin Plan (CRWQCB 2019) instantaneous minimum objective of 7.0 mg/L for COLD and SPWN designated beneficial uses at depths of 40 m or greater at Site R-IS-8-UVR and at depths of 13 m or greater at Site R-IS-11-IHR (Figure 6-2; Appendix D, Table D-2; Appendix E, Figures E-15 and E-17).

6.1.1.4 Conductivity

Typical of granitic watersheds, conductivity at all reservoir sites was low throughout the year, ranging from 7 to 21 microsiemens per centimeter [uS/cm]) during both spring sampling and fall *in situ* sampling (Appendix D).

6.1.1.5 Turbidity

Reservoir turbidity was low (less than 3.2 nephelometric turbidity units [NTU]) during both spring and fall *in situ* sampling and generally consistent with depth across all sites (Appendices D and E).

6.1.2 Riverine Sites

In situ water quality data for UARP riverine sites are shown in Table 6-1. Field data records are provided in Appendix C. Several riverine sites were inaccessible during winter sampling in 2025 (Table 4-4).

6.1.2.1 Water Temperature

Instantaneous water temperature measurements varied seasonally; the highest temperatures occurred during summer *in situ* sampling (7.4 to 22.9°C), and the lowest temperatures occurred during winter *in situ* sampling (0.2 to 5.1°C) (Table 6-1).

6.1.2.2 pH

Riverine pH levels were similar across all four sampling events, ranging from 6.1 to 7.9 s.u. One measurement in the winter (6.4 s.u. at Site IS-14-SC) and one measurement in the summer (6.1 s.u. at Site IS-10-SFSC) fell below the Basin Plan instantaneous minimum pH objective (6.5 s.u.). No pH measurements exceeded the instantaneous maximum pH objective (8.5 s.u.) (Table 6-1).

6.1.2.3 Dissolved Oxygen

Riverine dissolved oxygen ranged from 8.5 to 13.2 mg/L (75 to 103% saturation) during winter, spring, and fall *in situ* sampling. Riverine dissolved oxygen was lower during summer *in situ* sampling, ranging from 6.4 to 10.2 mg/L (72 to 103% saturation) (Table 6-1). All dissolved oxygen measurements were equal to or higher than the Basin Plan instantaneous minimum concentration objective of 7.0 mg/L for COLD, except for the upper elevation sites (Site IS-1-RR, Site IS-2-LRR, and Site IS-3-LRR, which had dissolved oxygen concentrations ranging from 6.4 to 6.7 mg/L (72 to 77% saturation) during summer *in situ* sampling (Table 6-1).

6.1.2.4 Conductivity

Typical of granitic watersheds, conductivity at all riverine sites was low throughout the year, ranging from 5 to 49 uS/cm (Table 6-1). In general, conductivity was higher at sites farther downstream in the watershed (i.e., Silver Creek, Brush Creek, and South Fork American River [SFAR] sites) relative to sites farther upstream in the watershed (i.e., Rubicon River, Little Rubicon River, and Gerle Creek sites).

6.1.2.5 Turbidity

Turbidity was generally low at riverine sites throughout the year with a maximum value of 4.2 NTU measured at Site IS-4-GC in the spring (Table 6-1).

Table 6-1. In Situ Water Quality for Upper American River Project Riverine Sites, 2025.

Site ID	Sample Date	Water Temperature (°C)	pH (s.u.)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (% sat)	Conductivity (uS/cm)	Turbidity (NTU)
Winter							
IS-1-RR	--	--	--	--	--	--	--
IS-2-LRR	--	--	--	--	--	--	--
IS-3-LRR	--	--	--	--	--	--	--
IS-4-GC	--	--	--	--	--	--	--
IS-5-GC	--	--	--	--	--	--	--
IS-6-GC	1/27	1.7	6.9	11.3	81	6	0.8[Q]
IS-7-SFRR	--	--	--	--	--	--	--
IS-8-SFRR	--	--	--	--	--	--	--
IS-9-GCC	1/27	2.0	6.8	11.5	83	6	0.8[Q]
IS-10-SFSC	1/27	4.2	6.9	10.5	80	7	1.0[Q]
IS-11-SFSC	1/27	0.2	6.8	12.4	85	8	0.9[Q]
IS-12-SC	1/27	3.0	6.7	11.4	85	8	0.8[Q]
IS-13-SC	1/27	2.2	6.6	12.6	92	10	0.8[Q]
IS-14-SC	1/27	3.7	6.4	12.0	91	9	0.7[Q]
IS-15-SFAR	1/28	2.2	7.4	12.1	88	29	0.7
IS-16-SFAR	1/28	3.5	7.3	12.7	96	21	1.0
IS-17-BC	1/28	5.1	7.3	11.8	93	15	1.2
IS-18-SFAR	1/28	3.3	7.3	13.2	99	26	1.0
IS-19-SFAR	1/28	3.9	7.2	12.3	94	19	1.0

Site ID	Sample Date	Water Temperature (°C)	pH (s.u.)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (% sat)	Conductivity (uS/cm)	Turbidity (NTU)
Spring							
IS-1-RR	5/20	4.6	7.3	9.7	75	5	0.2[Q]
IS-2-LRR	5/20	8.0	7.1	9.0	76	5	0.2[Q]
IS-3-LRR	5/20	8.7	7.2	9.1	79	5	0.1[Q]
IS-4-GC	5/14	7.1	6.9	9.4	78	5	4.2
IS-5-GC	5/13	7.5	6.7	10.1	84	7	1.0
IS-6-GC	5/13	6.4	6.8	10.3	84	7	1.0
IS-7-SFRR	5/13	7.8	6.7	10.1	85	9	1.0
IS-8-SFRR	5/13	8.2	6.5	9.8	83	9	0.9
IS-9-GCC	5/13	8.8	6.8	10.1	87	7	0.9
IS-10-SFSC	5/8	5.7	6.9	10.3	82	8	1.6
IS-11-SFSC	5/5	9.3	7.0	9.5	83	10	1.2
IS-12-SC	5/5	7.1	7.6	9.9	82	9	1.1
IS-13-SC	5/5	11.0	7.1	9.9	90	11	1.1
IS-14-SC	5/5	9.0	7.2	10.5	91	10	1.1
IS-15-SFAR	5/5	12.0	7.4	10.2	94	24	3.9
IS-16-SFAR	5/5	9.7	7.2	10.7	94	16	2.3
IS-17-BC	5/5	11.6	7.2	9.8	90	15	1.0
IS-18-SFAR	5/6	11.2	7.3	10.9	99	26	2.3
IS-19-SFAR	5/6	10.5	7.2	10.6	95	20	3.0
Summer							
IS-1-RR	8/14	22.1	7.2	6.6	76	14	0.8
IS-2-LRR	8/14	21.6	7.2	6.4	72	11	0.7
IS-3-LRR	8/14	22.3	7.5	6.7	77	10	0.5
IS-4-GC	8/13	11.0	6.8	8.7	79	7	1.3
IS-5-GC	8/14	20.0	7.9	7.5	82	7	0.6
IS-6-GC	8/14	16.5	7.8	8.0	82	9	0.8
IS-7-SFRR	8/14	19	7.3	7.8	84	11	0.7
IS-8-SFRR	8/14	18.5	7.5	7.9	85	10	0.7
IS-9-GCC	8/14	19.1	7.4	8.0	86	10	0.7
IS-10-SFSC	8/11	7.4	6.1	9.5	79	8	1.4
IS-11-SFSC	8/11	22.9	7.1	7.3	85	14	0.3
IS-12-SC	8/11	12.9	6.9	8.7	82	10	0.7
IS-13-SC	8/11	20.9	7.1	8.1	91	16	0.5

Site ID	Sample Date	Water Temperature (°C)	pH (s.u.)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (% sat)	Conductivity (uS/cm)	Turbidity (NTU)
IS-14-SC	8/12	11.0	7.1	10.2	92	11	0.8
IS-15-SFAR	8/12	22.1	7.5	8.6	98	49	1.0
IS-16-SFAR	8/12	16.0	7.1	9.6	98	26	0.8
IS-17-BC	8/12	16.6	7.1	8.9	91	28	3.3
IS-18-SFAR	8/12	20.9	7.6	9.2	103	27	0.5
IS-19-SFAR	8/12	15.2	7.2	9.6	95	17	1.2
Fall							
IS-1-RR	11/4	9.4	6.9	8.5	75	8	1.0
IS-2-LRR	11/4	10.0	7.0	8.9	79	6	1.4
IS-3-LRR	11/4	10.0	6.8	8.5	75	7	1.1
IS-4-GC	11/7	9.4	7.2	9.3	81	9	1.3
IS-5-GC	11/7	8.7	7.0	9.3	80	9	1.2
IS-6-GC	11/7	9.0	7.0	9.6	83	15	1.2
IS-7-SFRR	11/7	9.0	6.9	9.6	83	12	1.4
IS-8-SFRR	11/7	9.2	6.9	9.3	81	13	1.3
IS-9-GCC	11/7	7.1	6.6	7.9	65	9	2.1
IS-10-SFSC	11/5	6.4	7.7	10.0	81	10	1.1
IS-11-SFSC	11/5	7.3	7.4	10.0	83	9	1.5
IS-12-SC	11/5	8.6	7.0	10.3	88	11	1.6
IS-13-SC	11/5	8.8	6.9	10.5	90	11	1.1
IS-14-SC	11/5	9.4	7.1	10.6	93	41	1.2
IS-15-SFAR	11/5	9.5	6.8	11.0	96	20	1.1
IS-16-SFAR	11/5	13.0	6.8	9.5	90	20	1.6
IS-17-BC	11/6	11.1	7.2	10.8	98	29	0.9
IS-18-SFAR	11/6	10.4	7.1	10.5	94	17	1.0
IS-19-SFAR	11/6	11.6	6.6	11.1	102	20	0.8

Notes: °C = degree Celsius
% sat = percent saturation
uS/cm = microsiemen per centimeter
mg/L = milligram per liter
NTU = nephelometric turbidity unit

-- Denotes data were not collected due to site inaccessibility. See also Table 4-4.

[Q] Data are designated as *qualified* because the post-sampling calibration check measurement quality objective for acceptability was not met (see Appendix A for detailed calibration data). Qualified values are known with relatively less certainty (see Table 5-2).

6.2 BACTERIA

Instantaneous fecal coliform counts ranged from less than the method detection limit (MDL) (i.e., 1.8 most probable number per 100 milliliters [MPN/100 mL]) to 350 MPN/100 mL (in Union Valley Reservoir, Site Bac-7-UVR) during 2025 Independence Day sampling (Appendix F, Table F-1). No fecal coliform results exceeded the Basin Plan instantaneous maximum objective of 400 MPN/100 mL for the REC-1 designated beneficial use (CRWQCB 2019).

The geometric means of fecal coliform counts at all sites during 2025 Independence Day sampling were well below the Basin Plan objective of 200 MPN/100 mL for REC-1 designated beneficial use (CRWQCB 2019). The lowest fecal coliform geometric mean count (1.1 MPN/100 mL) occurred in Ice House Reservoir (Site Bac-13-IHR), and the highest fecal coliform geometric mean count (14.2 MPN/100 mL) occurred in Union Valley Reservoir (Site Bac-7-UVR; Table 6-2). Instantaneous counts less than the MDL were treated as half the MDL for geometric mean calculations.

Table 6-2. Bacteria Counts for Upper American River Project Reservoir Sites, Independence Day Sampling, 2025.

Site ID	Fecal Coliform Geometric Mean[1,2] (MPN/100 mL)	*E. coli* Geometric Mean[1] (MPN/100 mL)
Bac-7-UVR	14.2	9.5
Bac-10-UVR	2.7	3.4
Bac-11-JR	4.5	2
Bac-13-IHR	1.1	0.8
Bac-15-SCR	12.8	10.6

Notes: *E. coli* = *Escherichia coli*
MDL = method detection limit
mL = milliliter
MPN = most probable number
REC-1 = recreational water contact

[1] MDL for fecal coliform = 1.8 MPN/100 mL. and MDL for *E. coli* = 1.0 MPN/100 mL). Individual results less than the MDL were treated as 0.5 x MDL for the geometric mean calculations.

[2] The Basin Plan states that REC-1 water quality objectives for fecal coliform are 200 MPN/100 mL expressed as the geometric mean of five samples collected over 30 days, and no more than 10% of the total number of samples collected during any 30-day period shall exceed 400 MPN/100 mL (CRWQCB 2019).

Instantaneous *E. coli* counts ranged from less than the MDL (i.e., less than 1.0 MPN/100 mL) to 488.4 MPN/100 mL (in Union Valley Reservoir, Site Bac-7-UVR) during 2025 Independence Day sampling (Appendix F, Table F-1). The Basin Plan does not provide an instantaneous objective for *E. coli*.[1]

The lowest geometric mean of *E. coli* counts (0.8 MPN/100 mL) occurred in Ice House Reservoir (Site Bac-13-IHR), and the highest geometric mean of *E. coli* counts (10.6 MPN/100 mL) occurred in Slab Creek Reservoir (Site Bac-15-SCR) (Table 6-2). The Basin Plan does not provide a geometric mean objective for *E. coli*.[1] Instantaneous *E. coli* counts less than the MDL were treated as half the MDL (i.e., 0.5 MPN/100 mL) for geometric mean calculations.

Geometric mean fecal coliform and *E. coli* counts at Site Bac-19-SFAR were generally in the middle of the ranges measured at each site since 2020 (SMUD 2025a, 2024, 2023, 2022, and 2021b). Unlike previous monitoring years, geometric mean fecal coliform and *E. coli* counts at Junction Reservoir in 2025 were not elevated relative to counts at other sites.

6.3 INCIDENTAL SPECIES OBSERVATIONS

The invasive diatomaceous algae *Didymosphenia geminata* (*Didymo*) was incidentally observed at multiple monitoring sites in the UARP on Silver Creek downstream of Junction and Camino reservoirs (Table 6-3, Figure 6-3) during 2025 amphibian and aquatic reptile, aquatic macroinvertebrate, trout, and water quality annual monitoring surveys. *Didymo* was incidentally observed at the same sites in 2024, and a subset of 2024 sample identifications were confirmed by examination with a compound microscope (SMUD 2025b).

[1] While the Basin Plan does not provide an instantaneous objective for *E. coli*, the Water Quality Control Plan for Inland Surface Waters, Enclosed Bays, and Estuaries of California (Water Quality Control Plan) (SWRCB 2019) has replaced the Basin Plan instantaneous fecal coliform objective of 200 MPN/100 mL (reported above) with an instantaneous *E. coli* objective that is based on colony-forming units (CFUs) (i.e., 320 CFU/100 mL). The Water Quality Control Plan has also replaced the geometric mean fecal coliform objective with a geometric mean *E. coli* objective of 100 CFU/100 mL for no fewer than five samples distributed over a 6-week period. Although the geometric mean periods for the Basin Plan and Water Quality Control Plan are similar and MPN and CFU counts are approximately equivalent, future comparisons of *E. coli* results with the Water Quality Control Plan instantaneous objective of 320 CFU/100 mL or the geometric mean objective of 100 CFU/100 mL would require use of a heterotrophic plate count method (Standard Method 9215b) for *E. coli* analysis, rather than Standard Method 9223B (Quantitray) that is specified in the Plan (SMUD 2021a).

Table 6-3. *Didymosphenia geminata* observations at Upper American River Project Monitoring Sites, 2025.

Location	Survey	SMUD Site	Date
Silver Creek downstream of Junction Dam, near Junction Adit access	Aquatic macroinvertebrate	JD-I4[a,b]	9/10
	Trout	JD-F3[a,b]	8/18
Silver Creek downstream of Camino Dam	Trout	CD-F1[a,b]	8/19
	Water quality	IS-14-SC[b]	8/12
	Aquatic macroinvertebrate	CD-I2[a,b]	9/11
	Amphibian and aquatic reptile	CD-A3[a,b]	6/10, 7/7, 8/4, 9/3
Silver Creek downstream of Camino Dam, upstream of South Fork American River confluence	Aquatic macroinvertebrate	CD-I3[a,b]	9/12
	Amphibian and aquatic reptile	CD-A4[a,b]	6/11, 7/9, 8/6, 9/3

Note: *Didymo* = *Didymosphenia geminata*

[a] Locations shown on SMUD (2026) Figures 1-2 and 1-3.

[b] Field *Didymo* identification.

Figure 6-3. *Didymosphenia geminata* at Amphibian and Aquatic Reptile Site CD-A4, September 2025.

7.0 CONCLUSIONS

Based on 2025 *in situ* monitoring results, reservoir water quality was generally good, and only a few values measured below the Basin Plan instantaneous minimum objectives. Dissolved oxygen in the bottom waters of Union Valley and Ice House reservoirs during fall sampling was less than the Basin Plan instantaneous minimum objective (7.0 mg/L), which is not uncommon for deep waterbodies that have been thermally stratified for several months. Reservoir pH was below the Basin Plan instantaneous minimum pH objective of 6.5 s.u. in portions of all Loon Lake Reservoir and Union Valley Reservoir profiles in the spring. In the fall, reservoir pH was below the instantaneous minimum objective in the middle to bottom of the water column in Gerle Creek, Junction, and Camino reservoirs and throughout the water column at all Loon Lake Reservoir, Union Valley Reservoir, Ice House Reservoir, and Slab Creek Reservoir sites.

Riverine water quality in the UARP study area generally met Basin Plan water quality objectives for dissolved oxygen and turbidity. Dissolved oxygen measurements were consistently higher than the Basin Plan instantaneous minimum objective (7.0 mg/L) for COLD and SPWN, except for three measurements at the Rubicon River and Little Rubicon River sites in the summer, which had dissolved oxygen levels between 6.4 and 6.7 mg/L.

There were two instances of pH measured below the Basin Plan instantaneous minimum objective (6.5 s.u.).

Low pH values are likely due to the low buffering capacity characteristic of headwater reaches in predominantly granitic watersheds, whereby the relatively low weathering rates of granitic rocks result in low alkalinity (less than 17 mg/L across all sites in 2017 and 2022 [SMUD 2018, 2023]) and low hardness (less than 20 mg/L across all sites in 2017 and 2022 [SMUD 2018, 2023]). Low alkalinity and hardness make the waters susceptible to pH decreases when naturally acidic inputs occur, such as snowmelt, rainfall, and tannins from surrounding vegetation.

There were no exceedances of the Basin Plan instantaneous maximum or geometric mean objectives for fecal coliform for REC-1 designated beneficial use during the Independence Day sampling.

Didymo has been intermittently observed in the UARP. In 2010, *Didymo* was observed in the SFAR downstream of Slab Creek Reservoir (ECORP 2011, SMUD 2012). In 2016, *Didymo* was detected in laboratory analysis of algae samples from South Fork Rubicon River downstream of the Gerle Creek confluence, Silver Creek downstream of Junction and Camino reservoirs, and the SFAR upstream of White Rock Powerhouse (SMUD 2017). 2024 was the first year since 2016 in which *Didymo* was positively identified in these reaches, with a subset of sample identifications confirmed by examination with a compound microscope (SMUD 2025). *Didymo* was observed at the

same locations on Silver Creek downstream of Junction Reservoir in 2024 and 2025 (Table 6-3) with no observations within the UARP outside Silver Creek in either year, suggesting that the spatial extent of *Didymo* colonization in the UARP is relatively stable. Observations in future monitoring years will provide additional information on the distribution and persistence of *Didymo* in the UARP.

Despite a few low pH and dissolved oxygen measurements, 2025 monitoring results indicate that overall, surface waters of the UARP study area support designated beneficial uses, including COLD, SPWN, and REC-1.

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APPENDIX A

In Situ Field Calibration Records

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Table A-1. *In situ* Field Pre-Sampling Calibration Records.

Date & Time (Local)	Instrument Used	Survey Recorded By	Weather	Standard Values									Barometric Pressure (mm Hg)	Notes
				Specific Conductance (uS/cm @ 25°C)[1]	Specific Conductance (uS/cm @ 25°C)[1]	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	pH 4 (s.u.)	pH 7 (s.u.)	pH 10 (s.u.)	Turbidity (NTU)	Turbidity (NTU)		
1/27/2025 8:22	YSI EXO2S	Elliott Allen	40, sunny	1000	1413	91	10.6	4.00	7.00	10.00	0.0	12.4	688.1	--
1/27/2025 18:55	YSI EXO2S	Elliott Allen	Indoors	1000	1413	94	9.1	4.00	7.00	10.00	0.0	12.4	714.1	--
5/5/2025 7:32	YSI EXO2S	Elliott Allen	Indoors	1000	1413	85	7.4	4.00	7.00	10.00	0.0	12.4	756.1	643.9 mm Hg during DO cal
5/5/2025 19:20	YSI EXO2S	Elliott Allen	Sunny, 60	1000	1413	94	8.22	4.00	7.00	10.00	0.0	12.4	714.7	DO done on 5/6/2025 at IS-19-SFAR
5/6/2025 14:00	YSI EXO2S	Elliott Allen	Clear, calm, sunny	1000	1413	90	8.37	4.00	7.00	10.00	0.0	12.4	686.9	--
5/7/2025 16:59	YSI EXO2S	Elliott Allen	Clear, cool, sunny	1000	1413	83	7.34	4.00	7.00	10.00	0.0	12.4	632.1	--
5/8/2025 19:26	YSI EXO2S	Elliott Allen	Clear, calm	1000	1413	94	8.41	4.00	7.00	10.00	0.0	12.4	715.7	--
5/12/2025 7:43	YSI EXO2S	Elliott Allen	Indoors	1000	1413	84	8.2	4.00	7.00	10.00	0.0	12.4	635.2	--
5/12/2025 16:15	YSI EXO2S	Elliott Allen	Rainy, cold, windy	1000	1413	84	7.85	4.00	7.00	10.00	0.0	12.4	636.7	--
5/13/2025 17:47	YSI EXO2S	Elliott Allen	Clear, sunny calm	1000	1413	80	7.6	4.00	7.00	10.00	0.0	12.4	605.9	--
5/19/2025 11:02	YSI EXO2S	Elliott Allen	Indoors	1000	1413	79	7.24	4.00	7.00	10.00	0.0	12.4	603.0	--
8/11/2025 13:02	YSI EXO2S	Elliott Allen	Sunny, 80	1000	1413	83	6.71	4.00	7.00	10.00	0.0	12.4	628.9	--
8/11/2025 18:50	YSI EXO2S	Elliott Allen	Indoors	1000	1413	90	8.02	4.00	7.00	10.00	0.0	12.4	757.0	DO cal pressure is 685.6
8/12/2025 18:15	YSI EXO2S	Elliott Allen	Hot, sunny	1000	1413	80	6.6	4.00	7.00	10.00	0.0	12.4	608.7	--
11/3/2025 9:34	YSI EXO2S	Elliott Allen	Indoors	1000	1413	80	8.2	4.00	7.00	10.00	0.0	12.4	606.2	--
11/4/2025 17:54	YSI EXO2S	Elliott Allen	Rainy, cloudy	1000	1413	85	9.98	4.00	7.00	10.00	0.0	12.4	649.0	--
11/5/2025 17:09	YSI EXO2S	Elliott Allen	Clear, cool	1000	1413	97	8.99	4.00	7.00	10.00	0.0	12.4	739.9	--
11/6/2025 18:26	YSI EXO2S	Elliott Allen	Cloudy	1000	1413	83	7.78	4.00	7.00	10.00	0.0	12.4	631.5	--
11/9/2025 14:12	YSI EXO2S	Elliott Allen	Indoors	1000	1413	91	8.78	4.00	7.00	10.00	0.0	12.4	692.6	--
11/10/2025 15:01	YSI EXO2S	Elliott Allen	Sunny	1000	1413	84	8.5	4.00	7.00	10.00	0.0	12.4	642.0	New pH probe installed on EXO2S
11/11/2025 17:09	YSI EXO2S	Elliott Allen	Indoors	1000	1413	80	7.56	4.00	7.00	10.00	0.0	12.4	604.4	--
11/13/2025 14:26	YSI EXO2S	Elliott Allen	Raining	1000	1413	100	9.08	4.00	7.00	10.00	0.0	12.4	756.4	--
11/18/2025 13:19	YSI EXO2	Elliott Allen	Indoors	1000	1413	84	8.52	4.00	7.00	10.00	0.0	12.4	639.0	--

Table A-1 (continued). *In situ* Field Pre-Sampling Calibration Records.

Date & Time (Local)	Instrument Used	Survey Recorded By	Weather	Temperature of Standard during Calibration (°C)									Barometric Pressure (mm Hg)	Notes
				Specific Conductance (uS/cm @ 25°C)[1]	Specific Conductance (uS/cm @ 25°C)[1]	Dissolved Oxygen (% sat)	Dissolved Oxygen (mg/L)	pH 4 (s.u.)	pH 7 (s.u.)	pH 10 (s.u.)	Turbidity (NTU)	Turbidity (NTU)		
1/27/2025 8:22	YSI EXO2S	Elliott Allen	40, sunny	11.1	11.1	8.8	8.7	12.1	12.3	12.1	10.1	10.1	688.1	--
1/27/2025 18:55	YSI EXO2S	Elliott Allen	Indoors	15.5	15.7	17.1	17.1	14.6	14.6	15.0	13.6	15.3	714.1	--
5/5/2025 7:32	YSI EXO2S	Elliott Allen	Indoors	20.9	20.9	21.9	21.9	20.9	20.9	20.9	21.4	21.2	756.1	643.9 mm Hg during DO cal
5/5/2025 19:20	YSI EXO2S	Elliott Allen	Sunny, 60	23.1	23.3	22.1	22.1	22.8	23.0	22.8	22.4	23.2	714.7	DO done on 5/6/2025 at IS-19-SFAR
5/6/2025 14:00	YSI EXO2S	Elliott Allen	Clear, calm, sunny	23.9	23.7	19.0	19.0	24.1	24.0	23.7	22.8	23.5	686.9	--
5/7/2025 16:59	YSI EXO2S	Elliott Allen	Clear, cool, sunny	21.7	22.0	21.6	21.4	21.9	22.0	22.1	20.8	22.5	632.1	--
5/8/2025 19:26	YSI EXO2S	Elliott Allen	Clear, calm	22.4	21.9	21.2	12.8	22.6	23.1	23.1	20.3	23.2	715.7	--
5/12/2025 7:43	YSI EXO2S	Elliott Allen	Indoors	21.8	21.8	16.6	16.4	21.9	22.1	22.0	19.5	19.4	635.2	--
5/12/2025 16:15	YSI EXO2S	Elliott Allen	Rainy, cold, windy	17.6	17.4	18.7	18.3	17.3	17.8	17.5	23.0	18.9	636.7	--
5/13/2025 17:47	YSI EXO2S	Elliott Allen	Clear, sunny calm	16.3	15.8	17.6	17.7	14.9	15.6	15.6	16.6	18.5	605.9	--
5/19/2025 11:02	YSI EXO2S	Elliott Allen	Indoors	22.3	22.8	19.5	19.8	22.1	22.1	22.1	22.9	22.1	603.0	--
8/11/2025 13:02	YSI EXO2S	Elliott Allen	Sunny, 80	24.6	24.9	25.4	25.8	24.8	24.4	25.0	24.7	25.0	628.9	--
8/11/2025 18:50	YSI EXO2S	Elliott Allen	Indoors	24.1	24.1	21.3	21.3	25.0	24.4	24.9	24.5	25.2	757.0	DO cal pressure is 685.6
8/12/2025 18:15	YSI EXO2S	Elliott Allen	Hot, sunny	28.0	27.9	24.9	25.1	27.4	27.0	27.4	25.4	25.0	608.7	--
11/3/2025 9:34	YSI EXO2S	Elliott Allen	Indoors	20.0	19.8	14.1	14.1	20.1	20.0	20.0	20.3	20.3	606.2	--
11/4/2025 17:54	YSI EXO2S	Elliott Allen	Rainy, cloudy	18.5	18.6	19.1	8.7	18.0	18.2	18.3	20.1	18.3	649.0	--
11/5/2025 17:09	YSI EXO2S	Elliott Allen	Clear, cool	17.3	17.3	19.3	19.3	16.9	17.0	17.4	17.3	19.5	739.9	--
11/6/2025 18:26	YSI EXO2S	Elliott Allen	Cloudy	18.9	19.1	18.4	18.5	18.9	19.1	19.3	20.0	20.4	631.5	-
11/9/2025 14:12	YSI EXO2S	Elliott Allen	Indoors	19.8	19.8	17.4	17.4	19.6	19.8	19.6	20.8	20.6	692.6	--
11/10/2025 15:01	YSI EXO2S	Elliott Allen	Sunny	19.5	19.4	15.6	15.6	20.0	20.0	19.9	19.5	20.2	642.0	New pH probe installed on EXO2S
11/11/2025 17:09	YSI EXO2S	Elliott Allen	Indoors	19.1	19.2	17.9	17.9	18.5	18.7	18.9	18.9	18.7	604.4	--
11/13/2025 14:26	YSI EXO2S	Elliott Allen	Raining	17.5	17.8	20.2	20.2	17.5	17.4	17.9	16.9	16.8	756.4	--
11/18/2025 13:19	YSI EXO2	Elliott Allen	Indoors	18.5	18.1	14.8	14.8	18.1	18.3	18.2	17.8	17.4	639.0	--

Table A-1 (continued). *In situ* Field Pre-Sampling Calibration Records.

Date & Time (Local)	Instrument Used	Survey Recorded By	Weather	Pre-Calibration Value									Barometric Pressure (mm Hg)	Notes
				Specific Conductance (uS/cm @ 25°C)[1]	Specific Conductance (uS/cm @ 25°C)[1]	Dissolved Oxygen (% sat)	Dissolved Oxygen (mg/L)	pH 4 (s.u.)	pH 7 (s.u.)	pH 10 (s.u.)	Turbidity (NTU)	Turbidity (NTU)		
1/27/2025 8:22	YSI EXO2S	Elliott Allen	40, sunny	1006	N/A	90	N/A	4.14	7.16	7.16	0.2	12.2	688.1	--
1/27/2025 18:55	YSI EXO2S	Elliott Allen	Indoors	996	N/A	91	N/A	3.96	7.00	9.97	0.1	11.7	714.1	--
5/5/2025 7:32	YSI EXO2S	Elliott Allen	Indoors	996	N/A	87	N/A	4.03	7.00	9.94	-0.2	12.6	756.1	643.9 mm Hg during DO cal
5/5/2025 19:20	YSI EXO2S	Elliott Allen	Sunny, 60	999	N/A	93	N/A	4.04	6.98	9.98	0.3	12.0	714.7	DO done on 5/6/2025 at IS-19-SFAR
5/6/2025 14:00	YSI EXO2S	Elliott Allen	Clear, calm, sunny	1001	N/A	91	N/A	3.96	6.96	9.98	0.1	12.3	686.9	--
5/7/2025 16:59	YSI EXO2S	Elliott Allen	Clear, cool, sunny	999	N/A	83	N/A	4.04	7.02	10.06	0.5	12.7	632.1	--
5/8/2025 19:26	YSI EXO2S	Elliott Allen	Clear, calm	1000	N/A	94	N/A	4.04	7.00	10.02	0.1	12.3	715.7	--
5/12/2025 7:43	YSI EXO2S	Elliott Allen	Indoors	1001	N/A	81	N/A	4.02	7.04	10.07	0.4	13.0	635.2	--
5/12/2025 16:15	YSI EXO2S	Elliott Allen	Rainy, cold, windy	999	N/A	83	N/A	4.02	6.94	9.97	0.2	12.3	636.7	--
5/13/2025 17:47	YSI EXO2S	Elliott Allen	Clear, sunny calm	1000	N/A	82	N/A	4.00	7.00	10.12	0.3	12.2	605.9	--
5/19/2025 11:02	YSI EXO2S	Elliott Allen	Indoors	994	N/A	83	N/A	4.13	7.07	10.12	0.2	16.0	603.0	--
8/11/2025 13:02	YSI EXO2S	Elliott Allen	Sunny, 80	984	N/A	86	N/A	4.05	7.04	10.06	0.0	12.0	628.9	--
8/11/2025 18:50	YSI EXO2S	Elliott Allen	Indoors	1000	N/A	89	N/A	4.04	6.98	9.98	0.3	12.5	757.0	DO cal pressure is 685.6
8/12/2025 18:15	YSI EXO2S	Elliott Allen	Hot, sunny	1012	N/A	82	N/A	4.01	6.98	10.00	0.0	12.2	608.7	--
11/3/2025 9:34	YSI EXO2S	Elliott Allen	Indoors	976	N/A	81	N/A	3.94	6.94	10.05	0.2	12.6	606.2	--
11/4/2025 17:54	YSI EXO2S	Elliott Allen	Rainy, cloudy	999	N/A	84	N/A	4.10	7.05	10.08	0.4	12.1	649.0	--
11/5/2025 17:09	YSI EXO2S	Elliott Allen	Clear, cool	1001	N/A	95	N/A	4.04	7.02	10.06	0.5	12.5	739.9	--
11/6/2025 18:26	YSI EXO2S	Elliott Allen	Cloudy	1000	N/A	87	N/A	3.96	6.92	9.95	-0.2	12.5	631.5	--
11/9/2025 14:12	YSI EXO2S	Elliott Allen	Indoors	999	N/A	89	N/A	4.06	6.99	10.03	0.6	12.5	692.6	--
11/10/2025 15:01	YSI EXO2S	Elliott Allen	Sunny	1001	N/A	85	N/A	3.51	6.53	9.67	0.6	12.2	642.0	New pH probe installed on EXO2S
11/11/2025 17:09	YSI EXO2S	Elliott Allen	Indoors	1001	N/A	85	N/A	3.51	6.53	9.67	0.6	12.2	604.4	--
11/13/2025 14:26	YSI EXO2S	Elliott Allen	Raining	1003	N/A	93	N/A	4.13	7.04	10.06	0.6	12.6	756.4	--
11/18/2025 13:19	YSI EXO2	Elliott Allen	Indoors	1000	N/A	80	N/A	4.04	6.97	9.99	0.5	12.6	639.0	--

Table A-1 (continued). *In situ* Field Pre-Sampling Calibration Records.

Date & Time (Local)	Instrument Used	Survey Recorded By	Weather	Post-Calibration Value									Barometric Pressure (mm Hg)	Notes
				Specific Conductance (uS/cm @ 25°C)[1]	Specific Conductance (uS/cm @ 25°C)[1]	Dissolved Oxygen (% sat)	Dissolved Oxygen (mg/L)	pH 4 (s.u.)	pH 7 (s.u.)	pH 10 (s.u.)	Turbidity (NTU)	Turbidity (NTU)		
1/27/2025 8:22	YSI EXO2S	Elliott Allen	40, sunny	1000	1421	91	10.6	4.00	7.00	10.00	0.0	12.4	688.1	--
1/27/2025 18:55	YSI EXO2S	Elliott Allen	Indoors	1000	1417	94	9.1	4.00	7.00	10.00	0.0	12.4	714.1	--
5/5/2025 7:32	YSI EXO2S	Elliott Allen	Indoors	1000	1415	85	7.4	4.00	7.00	10.00	0.0	12.4	756.1	643.9 mm Hg during DO cal
5/5/2025 19:20	YSI EXO2S	Elliott Allen	Sunny, 60	1000	1423	94	8.2	4.00	7.00	10.00	0.0	12.4	714.7	DO done on 5/6/2025 at IS-19-SFAR
5/6/2025 14:00	YSI EXO2S	Elliott Allen	Clear, calm, sunny	1000	1416	90	8.4	4.00	7.00	10.00	0.0	12.4	686.9	--
5/7/2025 16:59	YSI EXO2S	Elliott Allen	Clear, cool, sunny	1000	1415	83	7.3	4.00	7.00	10.00	0.0	12.4	632.1	--
5/8/2025 19:26	YSI EXO2S	Elliott Allen	Clear, calm	1000	1414	94	8.4	4.00	7.00	10.00	0.0	12.4	715.7	--
5/12/2025 7:43	YSI EXO2S	Elliott Allen	Indoors	1000	1414	84	8.2	4.00	7.00	10.00	0.0	12.4	635.2	--
5/12/2025 16:15	YSI EXO2S	Elliott Allen	Rainy, cold, windy	1000	1419	84	7.9	4.00	7.00	10.00	0.0	12.4	636.7	--
5/13/2025 17:47	YSI EXO2S	Elliott Allen	Clear, sunny calm	1000	1417	80	7.6	4.00	7.00	10.00	0.0	12.4	605.9	--
5/19/2025 11:02	YSI EXO2S	Elliott Allen	Indoors	1000	1411	79	7.2	4.00	7.00	10.00	0.0	12.4	603.0	--
8/11/2025 13:02	YSI EXO2S	Elliott Allen	Sunny, 80	1000	1418	83	6.7	4.00	7.00	10.00	0.0	12.4	628.9	--
8/11/2025 18:50	YSI EXO2S	Elliott Allen	Indoors	1000	1415	90	8.0	4.00	7.00	10.00	0.0	12.4	757.0	DO cal pressure is 685.6
8/12/2025 18:15	YSI EXO2S	Elliott Allen	Hot, sunny	1000	1422	80	6.6	4.00	7.00	10.00	0.0	12.4	608.7	--
11/3/2025 9:34	YSI EXO2S	Elliott Allen	Indoors	1000	1414	80	8.2	4.00	7.00	10.00	0.0	12.4	606.2	--
11/4/2025 17:54	YSI EXO2S	Elliott Allen	Rainy, cloudy	1000	1420	85	9.9	4.00	7.00	10.00	0.0	12.4	649.0	--
11/5/2025 17:09	YSI EXO2S	Elliott Allen	Clear, cool	1000	1418	97	9.1	4.00	7.00	10.00	0.0	12.4	739.9	--
11/6/2025 18:26	YSI EXO2S	Elliott Allen	Cloudy	1001	1416	83	7.8	4.00	7.00	10.00	0.0	12.4	631.5	--
11/9/2025 14:12	YSI EXO2S	Elliott Allen	Indoors	1002	1412	91	8.8	4.00	7.00	10.00	0.0	12.4	692.6	--
11/10/2025 15:01	YSI EXO2S	Elliott Allen	Sunny	1005	1411	84	8.5	4.00	7.00	10.00	0.0	12.4	642.0	New pH probe installed on EXO2S
11/11/2025 17:09	YSI EXO2S	Elliott Allen	Indoors	1005	1411	84	8.5	4.00	7.00	10.00	0.0	12.4	604.4	--
11/13/2025 14:26	YSI EXO2S	Elliott Allen	Raining	1006	1410	93	9.1	4.00	7.00	10.00	0.0	12.4	756.4	--
11/18/2025 13:19	YSI EXO2	Elliott Allen	Indoors	1003	1411	80	7.6	4.00	7.00	10.00	0.0	12.4	639.0	--

Notes: -- = no additional notes
°C = degree Celsius
% sat = percent saturation
uS/cm = microsiemen per centimeter
DO = dissolved oxygen
mm Hg = millimeter of mercury
mg/L milligram per liter
N/A = No pre-calibration value; specific conductance calibrated with 1,000 uS/cm standard and checked with 1,413 uS/cm standard, and dissolved oxygen concentration automatically calibrated with dissolved oxygen percent saturation
NTU = nephelometric turbidity unit
s.u. = standard unit
YSI = Yellow Springs Instruments

[1] YSI recommends calibrating the conductivity sensor using specific conductance as the calibration parameter. Calibrating for specific conductance automatically calibrates for conductivity.

Table A-2. Post-Sampling Calibration Standard Checks.

Date	Standard									Measured								
	Specific Conductance (uS/cm @ 25°C)[1]	Specific Conductance (uS/cm @ 25°C)[1]	Dissolved Oxygen (% sat)	Dissolved Oxygen (mg/L)	pH 4 (s.u.)	pH 7 (s.u.)	pH 10 (s.u.)	Turbidity (NTU)	Turbidity (NTU)	Specific Conductance (uS/cm @ 25°C)[1]	Specific Conductance (uS/cm @ 25°C)[1]	Dissolved Oxygen (% sat)	Dissolved Oxygen (mg/L)	pH 4 (s.u.)	pH 7 (s.u.)	pH 10 (s.u.)	Turbidity (NTU)	Turbidity (NTU)
1/27/2025	1000	1413	83	9.2	4.00	7.00	10.00	0.0	12.4	996	1417	81	9.0	3.96	7.00	9.97	0.1	11.7
1/28/2025	1000	1413	94	9.1	4.00	7.00	10.00	0.0	12.4	1002	1418	95	9.2	4.02	7.00	9.97	0.1	12.3
5/5/2025	1000	1413	93	7.6	4.00	7.00	10.00	0.0	12.4	1006	1421	92	7.6	4.04	6.98	9.98	0.3	12.0
5/6/2025	1000	1413	93	7.6	4.00	7.00	10.00	0.0	12.4	1001	1418	95	7.6	3.96	6.96	9.98	0.1	12.3
5/7/2025	1000	1413	86	7.7	4.00	7.00	10.00	0.0	12.4	1008	1416	86	7.6	4.04	7.02	10.06	0.5	12.7
5/8/2025	1000	1413	94	8.4	4.00	7.00	10.00	0.0	12.4	997	1415	94	8.3	4.04	7.00	10.02	0.1	12.2
5/9/2025	1000	1413	94	10.0	4.00	7.00	10.00	0.0	12.4	1000	1412	98	10.4	4.01	6.98	10.00	0.1	12.3
5/12/2025	1000	1413	93	8.3	4.00	7.00	10.00	0.0	12.4	997	1414	94	8.3	3.92	6.94	9.97	0.2	12.3
5/13/2025	1000	1413	82	9.9	4.00	7.00	10.00	0.0	12.4	1000	1410	84	9.9	4.00	7.00	10.12	0.3	12.2
5/14/2025	1000	1413	83	9.5	4.00	7.00	10.00	0.0	12.4	1000	1418	84	9.6	4.03	7.00	10.08	0.3	12.2
5/20/2025	1000	1413	80	6.6	4.00	7.00	10.00	0.0	12.4	1009	1413	77	6.4	3.95	6.96	10.05	0.5	11.6
8/11/2025	1000	1413	100	8.4	4.00	7.00	10.00	0.0	12.4	999	1411	100	8.3	4.04	6.97	9.98	0.3	12.5
8/12/2025	1000	1413	94	8.0	4.00	7.00	10.00	0.0	12.4	1012	1422	94	8.0	4.01	6.98	10.00	0.0	12.2
8/15/2025	1000	1413	100	8.7	4.00	7.00	10.00	0.0	12.4	1007	1409	99	8.7	4.04	7.01	10.02	0.6	12.6
11/4/2025	1000	1413	80	7.6	4.00	7.00	10.00	0.0	12.4	999	1407	79	7.6	4.10	7.05	10.08	0.4	12.1
11/5/2025	1000	1413	94	9.4	4.00	7.00	10.00	0.0	12.4	1001	1417	93	9.4	4.04	7.02	10.06	0.5	12.5
11/6/2025	1000	1413	95	9.1	4.00	7.00	10.00	0.0	12.4	1000	1415	96	9.1	3.96	6.92	9.95	-0.2	12.5
11/7/2025	1000	1413	101	9.1	4.00	7.00	10.00	0.0	12.4	999	1412	97	9.1	4.06	6.98	10.03	0.6	12.5
11/10/2025	1000	1413	101	9.1	4.00	7.00	10.00	0.0	12.4	1001	1410	100	9.1	5.03	8.18	10.74	0.6	12.2
11/11/2025	1000	1413	100	9.2	4.00	7.00	10.00	0.0	12.4	1000	1411	101	9.1	4.04	6.97	9.99	0.5	12.6
11/13/2025	1000	1413	100	9.0	4.00	7.00	10.00	0.0	12.4	1000	1411	100	9.0	3.93	6.93	10.08	0.1	12.1
11/19/2025	1000	1413	100	9.3	4.00	7.00	10.00	0.0	12.4	997	1409	102	9.3	4.06	6.98	9.98	0.6	12.4

Date	Error[2]									Qualification Code[3]								
	Specific Conductance (uS/cm @ 25°C)[1]	Specific Conductance (uS/cm @ 25°C)[1]	Dissolved Oxygen (% sat)	Dissolved Oxygen (mg/L)	pH 4 (s.u.)	pH 7 (s.u.)	pH 10 (s.u.)	Turbidity (NTU)	Turbidity (NTU)	Specific Conductance (uS/cm @ 25°C)[1]	Specific Conductance (uS/cm @ 25°C)[1]	Dissolved Oxygen (% sat)	Dissolved Oxygen (mg/L)	pH 4 (s.u.)	pH 7 (s.u.)	pH 10 (s.u.)	Turbidity (NTU)[4]	Turbidity (NTU)
1/27/2025	0%	0%	2%	3%	0.04	0	0.03	0.1	5%	A	A	A	A	A	A	A	A	Q
1/28/2025	0%	0%	1%	1%	0.02	0.00	0.03	0.1	1%	A	A	A	A	A	A	A	A	A
5/5/2025	1%	1%	1%	0%	0.04	0.02	0.02	0.3	3%	A	A	A	A	A	A	A	A	A
5/6/2025	0%	0%	2%	0%	0.04	0.04	0.02	0.1	1%	A	A	A	A	A	A	A	A	A
5/7/2025	1%	0%	0%	1%	0.04	0.02	0.06	0.5	2%	A	A	A	A	A	A	A	A	A
5/8/2025	0%	0%	0%	0%	0.04	0	0.02	0.1	1%	A	A	A	A	A	A	A	A	A
5/9/2025	0%	0%	4%	4%	0.01	0.02	0	0.1	1%	A	A	A	A	A	A	A	A	A
5/12/2025	0%	0%	1%	0%	0.08	0.06	0.03	0.2	1%	A	A	A	A	A	A	A	A	A
5/13/2025	0%	0%	2%	0%	0.00	0.00	0.12	0.3	2%	A	A	A	A	A	A	A	A	A
5/14/2025	0%	0%	1%	0%	0.03	0	0.08	0.3	2%	A	A	A	A	A	A	A	A	A
5/20/2025	1%	0%	4%	3%	0.05	0.04	0.05	0.5	6%	A	A	A	A	A	A	A	A	Q
8/11/2025	0%	0%	0%	0%	0.04	0.03	0.02	0.3	1%	A	A	A	A	A	A	A	A	A
8/12/2025	1%	1%	0%	1%	0.01	0.02	0.00	0.0	2%	A	A	A	A	A	A	A	A	A
8/15/2025	1%	0%	1%	0%	0.04	0.01	0.02	0.6	1%	A	A	A	A	A	A	A	A	A
11/4/2025	0%	0%	1%	0%	0.10	0.05	0.08	0.4	2%	A	A	A	A	A	A	A	A	A
11/5/2025	0%	0%	1%	0%	0.04	0.02	0.06	0.5	1%	A	A	A	A	A	A	A	A	A
11/6/2025	0%	0%	1%	0%	0.04	0.08	0.05	0.2	1%	A	A	A	A	A	A	A	A	A
11/7/2025	0%	0%	4%	0%	0.06	0.02	0.03	0.6	1%	A	A	A	A	A	A	A	A	A
11/10/2025	0%	0%	1%	0%	1.03	1.18	0.74	0.6	1%	A	A	A	A	R	R	R	A	A
11/11/2025	0%	0%	1%	0%	0.04	0.03	0.01	0.5	1%	A	A	A	A	A	A	A	A	A
11/13/2025	0%	0%	0%	1%	0.07	0.07	0.08	0.1	2%	A	A	A	A	A	A	A	A	A
11/19/2025	0%	0%	2%	0%	0.06	0.02	0.02	0.6	0%	A	A	A	A	A	A	A	A	A

Notes: °C = degree Celsius
% sat = percent saturation
uS/cm = microsiemen per centimeter
mg/L = milligram per liter
NTU = nephelometric turbidity unit
s.u. = standard unit

[1] Yellow Springs Instruments recommends calibrating the conductivity sensor using specific conductance as the calibration parameter. Calibrating for specific conductance automatically calibrates for conductivity.

[2] Error calculated as the absolute value of (Measured - Standard)/Standard for specific conductance, dissolved oxygen, and turbidity (where standard = 12.4 NTU). Error calculated as the absolute value of Measured - Standard for pH and turbidity (where standard = 0.0 NTU).

[3] Qualification Codes: A = accepted, Q = qualified, and R = rejected

[4] Due to the inherent variation in deionized water turbidity, ±1 NTU on the deionized water post-sampling calibration check is considered acceptable.

APPENDIX B

Analytical Laboratory Bacteria Reports

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CALIFORNIA LABORATORY SERVICES
Committed. Responsive. Flexible.

June 24, 2025

CLS Work Order #: 25F0943
COC #:

Esther Adelstein
Stillwater Sciences
2855 Telegraph Ave., Suite 400
Berkeley, CA 94705

Project Name: SMUD UARP Bac-T Monitoring

Enclosed are the results of analyses for samples received by the laboratory on 06/17/25 13:26. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness. Any comments and exceptions are addressed under the Notes and Definitions section.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

Daniel Johnson
Technical Director

CA SWRCB ELAP Accreditation/Registration number 1233

CALIFORNIA LABORATORY SERVICES CHAIN OF CUSTODY

CLS ID. NO. 25F0943 (of)

Report To:

Stillwater Sciences
279 Cousteau Place Suite 400
Davis, CA 95618

Project Manager
Esther Adelstein eadelstein@stillwatersci.com

Project Name
SMUD UARP Bac-T Monitoring

Sampled By
Rosalie Julius & Elliott Allen

Job Description
Monitor seasonal bacteria levels in UARP reaches.

Site Location UARP

Client Job Number
750.10 Task 0900.01

Destination Laboratory
Rancho Cordova

[x] **CLS** (916) 638-7301
3249 Fitzgerald Road
Rancho Cordova, CA
95742
www.californialab.com

[ ] **OTHER**

ANALYSIS REQUESTED

GEOTRACKER

EDF REPORT YES [x] NO [ ]

GLOBAL ID:

FIELD CONDITIONS:

DATE	TIME	SAMPLE IDENTIFICATION	FIELD ID.	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	Fecal coliform-15 Tube	E. coli Quanti-tray	TURNAROUND TIME IN DAYS 1	2	3	5	SPECIAL INSTRUCTIONS
6/17/25	09:30	Bac-10-UVR		Surface water	2		6	1	1				X	
	10:18	Bac-7-UVR		Surface water	2		6	1	1				X	
	10:36	Bac-13-1HR		Surface water	2		6	1	1				X	
	11:05	Bac-11-JR		Surface water	2		6	1	1				X	
	12:23	Bac-15-SCR		Surface water	2		6	1	1				X	
				Surface water			6						X	
				Surface water			6						X	INVOICE TO:
				Surface water			6						X	Stillwater Sciences
				Surface water			6						X	Same as above
				Surface water			6						X	
				Surface water			6						X	**Project No. 750.10 Task 0900.01**
				Surface water			6						X	QUOTE#

SUSPECTED CONSTITUENTS

SAMPLE RETENTION TIME

PRESERVATIVES (1) HCL (3) = COLD (2) HNO_3 (4)= H_2SO_4

RELINQUISHED BY (Signature)	PRINT NAME/COMPANY	DATE/TIME	RECEIVED BY (Signature)	PRINT NAME/COMPANY
[signature]	Rosalie Julius	6/17/25		
	Stillwater Sciences	13:26		

RECEIVED AT LAB BY: [signature] DATE/TIME: 6/17/25 13:26 CONDITIONS/COMMENTS: 1.3/1.9

SHIPPED BY: [ ] FED EX [ ] UPS [ ] OTHER _____ AIR BILL # _____

Stillwater Sciences
2855 Telegraph Ave., Suite 400
Berkeley, CA 94705

Project: SMUD UARP Bac-T Monitoring
Project Number: 750.10 Task 0900.01
Project Manager: Esther Adelstein

CLS Work Order #: 25F0943
COC #:

Microbiological Parameters by APHA Standard Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bac-10-UVR (25F0943-01) Surface Water Sampled: 06/17/25 09:30 Received: 06/17/25 13:26									
Fecal Coliforms	**7.8**	1.8	MPN/100 mL	1	2505126	06/17/25 15:10	06/18/25	SM 9221	
Total Coliforms	**>2419.6**	1.0	"	"	2505104	06/17/25 16:20	06/18/25	SM9223	
E. Coli	**10.9**	1.0	"	"	"	"	"	"	
Bac-7-UVR (25F0943-02) Surface Water Sampled: 06/17/25 10:18 Received: 06/17/25 13:26									
Fecal Coliforms	**350**	1.8	MPN/100 mL	1	2505126	06/17/25 15:10	06/18/25	SM 9221	
Total Coliforms	**>2419.6**	1.0	"	"	2505104	06/17/25 16:20	06/18/25	SM9223	
E. Coli	**488.4**	1.0	"	"	"	"	"	"	
Bac-13-1HR (25F0943-03) Surface Water Sampled: 06/17/25 10:36 Received: 06/17/25 13:26									
Fecal Coliforms	**2.0**	1.8	MPN/100 mL	1	2505126	06/17/25 15:10	06/18/25	SM 9221	
Total Coliforms	**>2419.6**	1.0	"	"	2505104	06/17/25 16:20	06/18/25	SM9223	
E. Coli	<1	1.0	"	"	"	"	"	"	
Bac-11-JR (25F0943-04) Surface Water Sampled: 06/17/25 11:05 Received: 06/17/25 13:26									
Fecal Coliforms	**2.0**	1.8	MPN/100 mL	1	2505126	06/17/25 15:10	06/18/25	SM 9221	
Total Coliforms	**387.3**	1.0	"	"	2505104	06/17/25 16:20	06/18/25	SM9223	
E. Coli	**1.0**	1.0	"	"	"	"	"	"	
Bac-15-SCR (25F0943-05) Surface Water Sampled: 06/17/25 12:23 Received: 06/17/25 13:26									
Fecal Coliforms	**13**	1.8	MPN/100 mL	1	2505126	06/17/25 15:10	06/18/25	SM 9221	
Total Coliforms	**>2419.6**	1.0	"	"	2505104	06/17/25 16:20	06/18/25	SM9223	
E. Coli	**41.4**	1.0	"	"	"	"	"	"	

Stillwater Sciences	Project: SMUD UARP Bac-T Monitoring	
2855 Telegraph Ave., Suite 400	Project Number: 750.10 Task 0900.01	**CLS Work Order #: 25F0943**
Berkeley, CA 94705	Project Manager: Esther Adelstein	COC #:

Notes and Definitions

BT-5	>2419.6
BT-4	<1
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit (or method detection limit when specified)
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

CALIFORNIA LABORATORY SERVICES
Committed. Responsive. Flexible.

July 03, 2025

CLS Work Order #: 25F1460
COC #:

Esther Adelstein
Stillwater Sciences
2855 Telegraph Ave., Suite 400
Berkeley, CA 94705

Project Name: SMUD UARP Bac-T Monitoring

Enclosed are the results of analyses for samples received by the laboratory on 06/26/25 15:15. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness. Any comments and exceptions are addressed under the Notes and Definitions section.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

Daniel Johnson
Technical Director

CA SWRCB ELAP Accreditation/Registration number 1233

CALIFORNIA LABORATORY SERVICES CHAIN OF CUSTODY

CLS ID. NO. 25F1460 (of)

Report To:

Stillwater Sciences
279 Cousteau Place Suite 400
Davis, CA 95618

Project Manager
Esther Adelstein eadelstein@stillwatersci.com

Project Name
SMUD UARP Bac-T Monitoring

Sampled By
Michael Gengo and Simranjeet Nagra

Job Description
Monitor seasonal bacteria levels in UARP reaches.

Site Location UARP

Client Job Number
750.10 Task 0900.01

Destination Laboratory
Rancho Cordova

[x] **CLS** (916) 638-7301
3249 Fitzgerald Road
Rancho Cordova, CA
95742
www.californialab.com

[ ] **OTHER**

ANALYSIS REQUESTED

PRESERVATIVES ▼

DATE	TIME	SAMPLE IDENTIFICATION	FIELD ID.	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	Fecal coliform-15 Tube	E. coli Quanti-tray	TURNAROUND TIME IN DAYS 1	2	3	5	SPECIAL INSTRUCTIONS
6/26	09:55	Bac-10-UVR		Surface water	2		6	1	1				X	
	10:45	Bac-7-UVR		Surface water	2		6	1	1				X	
	11:17	Bac-13-IHR		Surface water	2		6	1	1				X	
	12:00	Bac-11-JR		Surface water	2		6	1	1				X	
	14:00	Bac-15-SCR		Surface water	2		6	1	1				X	
				Surface water			6						X	
				Surface water			6						X	INVOICE TO:
				Surface water			6						X	Stillwater Sciences
				Surface water			6						X	Same as above
				Surface water			6						X	
				Surface water			6						X	**Project No. 750.10 Task 0900.01**
				Surface water			6						X	QUOTE#

GEOTRACKER

EDF REPORT YES [x] [ ] NO

GLOBAL ID

FIELD CONDITIONS:

SUSPECTED CONSTITUENTS

SAMPLE RETENTION TIME

PRESERVATIVES (1) HCL (3) = COLD (2) HNO_3 (4)= H_2SO_4

RELINQUISHED BY (Signature)	PRINT NAME/COMPANY	DATE/TIME	RECEIVED BY (Signature)	PRINT NAME/COMPANY
	Simran Nagra/SWS	6/26 15:15		

RECEIVED AT LAB BY: DATE/TIME: 06/26/15 - 1515 CONDITIONS/COMMENTS: TB 8-2

SHIPPED BY: [ ] FED EX [ ] UPS [ ] OTHER AIR BILL # 10-6

Stillwater Sciences
2855 Telegraph Ave., Suite 400
Berkeley, CA 94705

Project: SMUD UARP Bac-T Monitoring
Project Number: 750.10 Task 0900.01
Project Manager: Esther Adelstein

CLS Work Order #: 25F1460
COC #:

Microbiological Parameters by APHA Standard Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bac-10-UVR (25F1460-01) Surface Water Sampled: 06/26/25 09:55 Received: 06/26/25 15:15									
Fecal Coliforms	<1.8	1.8	MPN/100 mL	1	2505437	06/26/25 15:25	06/27/25	SM 9221	
E. Coli	**2.0**	1.0	"	"	2505433	06/26/25 17:35	06/27/25	SM9223	
Bac-7-UVR (25F1460-02) Surface Water Sampled: 06/26/25 10:45 Received: 06/26/25 15:15									
Fecal Coliforms	<1.8	1.8	MPN/100 mL	1	2505437	06/26/25 15:25	06/27/25	SM 9221	
E. Coli	**2.0**	1.0	"	"	2505433	06/26/25 17:35	06/27/25	SM9223	
Bac-13-1HR (25F1460-03) Surface Water Sampled: 06/26/25 11:17 Received: 06/26/25 15:15									
Fecal Coliforms	<1.8	1.8	MPN/100 mL	1	2505437	06/26/25 15:25	06/27/25	SM 9221	
E. Coli	<1	1.0	"	"	2505433	06/26/25 17:35	06/27/25	SM9223	
Bac-11-JR (25F1460-04) Surface Water Sampled: 06/26/25 12:00 Received: 06/26/25 15:15									
Fecal Coliforms	**2.0**	1.8	MPN/100 mL	1	2505437	06/26/25 15:25	06/27/25	SM 9221	
E. Coli	**2.0**	1.0	"	"	2505433	06/26/25 17:35	06/27/25	SM9223	
Bac-15-SCR (25F1460-05) Surface Water Sampled: 06/26/25 14:00 Received: 06/26/25 15:15									
Fecal Coliforms	**33**	1.8	MPN/100 mL	1	2505437	06/26/25 15:25	06/27/25	SM 9221	
E. Coli	**36.4**	1.0	"	"	2505433	06/26/25 17:35	06/27/25	SM9223	

Stillwater Sciences	Project: SMUD UARP Bac-T Monitoring	
2855 Telegraph Ave., Suite 400	Project Number: 750.10 Task 0900.01	**CLS Work Order #: 25F1460**
Berkeley, CA 94705	Project Manager: Esther Adelstein	COC #:

Notes and Definitions

BT-4a	<1.8
BT-4	<1
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit (or method detection limit when specified)
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

CALIFORNIA LABORATORY SERVICES
Committed. Responsive. Flexible.

July 08, 2025

CLS Work Order #: 25G0003
COC #:

Esther Adelstein
Stillwater Sciences
2855 Telegraph Ave., Suite 400
Berkeley, CA 94705

Project Name: SMUD UARP Bac-T Monitoring

Enclosed are the results of analyses for samples received by the laboratory on 06/30/25 14:40. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness. Any comments and exceptions are addressed under the Notes and Definitions section.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

Daniel Johnson
Technical Director

CA SWRCB ELAP Accreditation/Registration number 1233

CALIFORNIA LABORATORY SERVICES CHAIN OF CUSTODY

CLS ID. NO. 250003 (___ of ___)

Report To:

Stillwater Sciences
279 Cousteau Place Suite 400
Davis, CA 95618

Project Manager
Esther Adelstein eadelstein@stillwatersci.com

Project Name
SMUD UARP Bac-T Monitoring

Sampled By
Michael Genge and Simran Nagra

Job Description
Monitor seasonal bacteria levels in UARP reaches.

Site Location UARP

Client Job Number
750.10 Task 0900.01

Destination Laboratory
Rancho Cordova

[X] **CLS** (916) 638-7301
3249 Fitzgerald Road
Rancho Cordova, CA
95742
www.californialab.com

[ ] **OTHER**

ANALYSIS REQUESTED

GEOTRACKER

EDF REPORT YES [X] [ ] NO

GLOBAL ID.

FIELD CONDITIONS:

DATE	TIME	SAMPLE IDENTIFICATION	FIELD ID.	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	Fecal coliform-15 Tube	E. coli Quanti-tray	TURNAROUND TIME IN DAYS 1	2	3	5	SPECIAL INSTRUCTIONS
6/30	8:45 MeG	Bac-15-SCR		Surface water	2		6	1	1				X	
	11:05	Bac-10-UVR		Surface water	2		6	1	1				X	
	11:45	Bac-7-UVR		Surface water	2		6	1	1				X	
↓	12:15	Bac-13-IHR		Surface water	2		6	1	1				X	
6/30	13:00	Bac-11-JR		Surface water	2		6	1	1				X	
				Surface water			6						X	
				Surface water			6						X	INVOICE TO:
				Surface water			6						X	Stillwater Sciences
				Surface water			6						X	Same as above
				Surface water			6						X	
				Surface water			6						X	**Project No. 750.10 Task 0900.01**
				Surface water			6						X	QUOTE#

SUSPECTED CONSTITUENTS

SAMPLE RETENTION TIME

PRESERVATIVES (1) HCL (2) HNO_3 (3) = COLD (4)= $H2SO4$

RELINQUISHED BY (Signature)	PRINT NAME/COMPANY	DATE/TIME	RECEIVED BY (Signature)	PRINT NAME/COMPANY
	Simran Nagra/Stillwater Sciences	6/30/25/14:49		

RECEIVED AT LAB BY: _____ **DATE/TIME:** 06/30/25 -1449 **CONDITIONS/COMMENTS:** 10.9 / 11.5 +0.6

SHIPPED BY: [ ] **FED EX** [ ] **UPS** [ ] **OTHER** _____ **AIR BILL #** _____

Stillwater Sciences
2855 Telegraph Ave., Suite 400
Berkeley, CA 94705

Project: SMUD UARP Bac-T Monitoring
Project Number: 750.10 Task 0900.01
Project Manager: Esther Adelstein

CLS Work Order #: 25G0003
COC #:

Microbiological Parameters by APHA Standard Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bac-15-SCR (25G0003-01) Surface Water Sampled: 06/30/25 08:45 Received: 06/30/25 14:40									
Fecal Coliforms	<1.8	1.8	MPN/100 mL	1	2505521	06/30/25 15:10	07/01/25	SM 9221	
Total Coliforms	**1203.3**	1.0	"	"	2505530	06/30/25 18:00	07/01/25	SM9223	
E. Coli	<1	1.0	"	"	"	"	"	"	
Bac-10-UVR (25G0003-02) Surface Water Sampled: 06/30/25 11:05 Received: 06/30/25 14:40									
Fecal Coliforms	**23**	1.8	MPN/100 mL	1	2505521	06/30/25 15:10	07/01/25	SM 9221	
Total Coliforms	**1413.6**	1.0	"	"	2505530	06/30/25 18:00	07/01/25	SM9223	
E. Coli	**20.1**	1.0	"	"	"	"	"	"	
Bac-7-UVR (25G0003-03) Surface Water Sampled: 06/30/25 11:45 Received: 06/30/25 14:40									
Fecal Coliforms	**31**	1.8	MPN/100 mL	1	2505521	06/30/25 15:10	07/01/25	SM 9221	
Total Coliforms	**2419.6**	1.0	"	"	2505530	06/30/25 18:00	07/01/25	SM9223	
E. Coli	**38.4**	1.0	"	"	"	"	"	"	
Bac-13 IHR (25G0003-04) Surface Water Sampled: 06/30/25 12:15 Received: 06/30/25 14:40									
Fecal Coliforms	<1.8	1.8	MPN/100 mL	1	2505521	06/30/25 15:10	07/01/25	SM 9221	
Total Coliforms	**1046.2**	1.0	"	"	2505530	06/30/25 18:00	07/01/25	SM9223	
E. Coli	**1.0**	1.0	"	"	"	"	"	"	
Bac-11-JR (25G0003-05) Surface Water Sampled: 06/30/25 13:00 Received: 06/30/25 14:40									
Fecal Coliforms	**7.8**	1.8	MPN/100 mL	1	2505521	06/30/25 15:10	07/01/25	SM 9221	
Total Coliforms	**201.4**	1.0	"	"	2505530	06/30/25 18:00	07/01/25	SM9223	
E. Coli	**5.2**	1.0	"	"	"	"	"	"	

Stillwater Sciences	Project: SMUD UARP Bac-T Monitoring	
2855 Telegraph Ave., Suite 400	Project Number: 750.10 Task 0900.01	**CLS Work Order #: 25G0003**
Berkeley, CA 94705	Project Manager: Esther Adelstein	COC #:

Notes and Definitions

BT-4a	<1.8
BT-4	<1
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit (or method detection limit when specified)
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

CALIFORNIA LABORATORY SERVICES
Committed. Responsive. Flexible.

July 14, 2025

CLS Work Order #: 25G0357
COC #:

Esther Adelstein
Stillwater Sciences
2855 Telegraph Ave., Suite 400
Berkeley, CA 94705

Project Name: SMUD UARP Bac-T Monitoring

Enclosed are the results of analyses for samples received by the laboratory on 07/07/25 13:30. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness. Any comments and exceptions are addressed under the Notes and Definitions section.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

Daniel Johnson
Technical Director

CA SWRCB ELAP Accreditation/Registration number 1233

CALIFORNIA LABORATORY SERVICES CHAIN OF CUSTODY

CLS ID. NO. 25G0357 (__ of __)

Report To:

Stillwater Sciences
279 Cousteau Place Suite 400
Davis, CA 95618

Project Manager
Esther Adelstein eadelstein@stillwatersci.com

Project Name
SMUD UARP Bac-T Monitoring

Sampled By
Rosalie Julius & Michael Grengo

Job Description
Monitor seasonal bacteria levels in UARP reaches.

Site Location UARP

Client Job Number
750.10 Task 0900.01

Destination Laboratory
Rancho Cordova

[x] CLS (916) 638-7301
3249 Fitzgerald Road
Rancho Cordova, CA
95742
www.californialab.com

[ ] OTHER

GEOTRACKER

EDF REPORT YES [x] NO [ ]

GLOBAL ID.

FIELD CONDITIONS:

DATE	TIME	SAMPLE IDENTIFICATION	FIELD ID.	CONTAINER MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	ANALYSIS REQUESTED: Fecal coliform-15 Tube	ANALYSIS REQUESTED: E. coli Quanti-tray	TURNAROUND TIME IN DAYS: 1	2	3	5	SPECIAL INSTRUCTIONS
7/7/25	09:20	Bac-10-UVR		Surface water	2		6	1	1				x	
7/7/25	09:50	Bac-7-UVR		Surface water	2		6	1	1				x	
7/7/25	10:18	Bac-13-IHR		Surface water	2		6	1	1				x	
7/7/25	11:11	Bac-11-JR		Surface water	2		6	1	1				x	
7/7/25	12:23	Bac-15-SCR		Surface water	2		6	1	1				x	
				Surface water			6						x	
				Surface water			6						x	INVOICE TO:
				Surface water			6						x	Stillwater Sciences
				Surface water			6						x	Same as above
				Surface water			6						x	
				Surface water			6						x	Project No. 750.10 Task 0900.01
				Surface water			6						x	QUOTE#

SUSPECTED CONSTITUENTS

SAMPLE RETENTION TIME

PRESERVATIVES (1) HCL (2) HNO_3 (3) = COLD (4)= H_2SO_4

RELINQUISHED BY (Signature)	PRINT NAME/COMPANY	DATE/TIME	RECEIVED BY (Signature)	PRINT NAME/COMPANY
	Rosalie Julius-	7/7/25		
	Stillwater Sciences	13:30		

RECEIVED AT LAB BY: DATE/TIME: 7/7/25 1310 CONDITIONS/COMMENTS: 6.6/6.9

SHIPPED BY: [ ] FED EX [ ] UPS [ ] OTHER AIR BILL #

07/14/25 14:38

Stillwater Sciences
2855 Telegraph Ave., Suite 400
Berkeley, CA 94705

Project: SMUD UARP Bac-T Monitoring
Project Number: 750.10 Task 0900.01
Project Manager: Esther Adelstein

CLS Work Order #: 25G0357
COC #:

Microbiological Parameters by APHA Standard Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bac-10-UVR (25G0357-01) Surface Water Sampled: 07/07/25 09:20 Received: 07/07/25 13:30									
Fecal Coliforms	<1.8	1.8	MPN/100 mL	1	2505675	07/07/25 14:10	07/08/25	SM 9221	
E. Coli	**1.0**	1.0	"	"	2505671	07/07/25 17:40	07/08/25	SM9223	
Bac-7-UVR (25G0357-02) Surface Water Sampled: 07/07/25 09:50 Received: 07/07/25 13:30									
Fecal Coliforms	**4.5**	1.8	MPN/100 mL	1	2505675	07/07/25 14:10	07/08/25	SM 9221	
E. Coli	<1	1.0	"	"	2505671	07/07/25 17:40	07/08/25	SM9223	
Bac-13-IHR (25G0357-03) Surface Water Sampled: 07/07/25 10:18 Received: 07/07/25 13:30									
Fecal Coliforms	<1.8	1.8	MPN/100 mL	1	2505675	07/07/25 14:10	07/08/25	SM 9221	
E. Coli	<1	1.0	"	"	2505671	07/07/25 17:40	07/08/25	SM9223	
Bac-11-JR (25G0357-04) Surface Water Sampled: 07/07/25 11:11 Received: 07/07/25 13:30									
Fecal Coliforms	**7.8**	1.8	MPN/100 mL	1	2505675	07/07/25 14:10	07/08/25	SM 9221	
E. Coli	**1.0**	1.0	"	"	2505671	07/07/25 17:40	07/08/25	SM9223	
Bac-15-SCR (25G0357-05) Surface Water Sampled: 07/07/25 12:23 Received: 07/07/25 13:30									
Fecal Coliforms	**27**	1.8	MPN/100 mL	1	2505675	07/07/25 14:10	07/08/25	SM 9221	
E. Coli	**14.8**	1.0	"	"	2505671	07/07/25 17:40	07/08/25	SM9223	

Stillwater Sciences	Project: SMUD UARP Bac-T Monitoring	
2855 Telegraph Ave., Suite 400	Project Number: 750.10 Task 0900.01	**CLS Work Order #: 25G0357**
Berkeley, CA 94705	Project Manager: Esther Adelstein	COC #:

Notes and Definitions

BT-4a	<1.8
BT-4	<1
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit (or method detection limit when specified)
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

CALIFORNIA LABORATORY SERVICES
Committed. Responsive. Flexible.

July 21, 2025

CLS Work Order #: 25G0823
COC #:

Esther Adelstein
Stillwater Sciences
2855 Telegraph Ave., Suite 400
Berkeley, CA 94705

Project Name: SMUD UARP Bac-T Monitoring

Enclosed are the results of analyses for samples received by the laboratory on 07/14/25 14:23. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness. Any comments and exceptions are addressed under the Notes and Definitions section.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

Daniel Johnson
Technical Director

CA SWRCB ELAP Accreditation/Registration number 1233

CALIFORNIA LABORATORY SERVICES CHAIN OF CUSTODY

CLS ID. NO. 25G0823 (of)

Report To:

Stillwater Sciences
279 Cousteau Place Suite 400
Davis, CA 95618

Project Manager
Esther Adelstein eadelstein@stillwatersci.com

Project Name
SMUD UARP Bac-T Monitoring

Sampled By
Michael Gengo and Rosalie Julias

Job Description
Monitor seasonal bacteria levels in UARP reaches.

Site Location UARP

Client Job Number
750.10 Task 0900.01

Destination Laboratory
Rancho Cordova

[x] **CLS** (916) 638-7301
3249 Fitzgerald Road
Rancho Cordova, CA
95742
www.californialab.com

[ ] **OTHER**

ANALYSIS REQUESTED

PRESERVATIVES ▼

DATE	TIME	SAMPLE IDENTIFICATION	FIELD ID.	MATRIX	CONTAINER NO.	CONTAINER TYPE	Fecal coliform-15 Tube	E. coli Quanti-tray	TURNAROUND TIME IN DAYS 1	2	3	5	SPECIAL INSTRUCTIONS
7/14/15	9:50	Bac-10-UVR		Surface water	2		1	1				X	
	10:10	Bac-7-UVR		Surface water	2		1	1				X	
	10:40	Bac-13-IHR		Surface water	2		1	1				X	
	11:50	Bac-11-JR		Surface water	2		1	1				X	
	13:20	Bac-15-SCR		Surface water	2		1	1				X	
				Surface water								X	
				Surface water								X	INVOICE TO:
				Surface water								X	Stillwater Sciences
				Surface water								X	Same as above
				Surface water								X	
				Surface water								X	**Project No. 750.10 Task 0900.01**
				Surface water								X	QUOTE#

6 for all rows

GEOTRACKER

EDF REPORT YES [x] NO [ ]

GLOBAL ID.

FIELD CONDITIONS:

SUSPECTED CONSTITUENTS

SAMPLE RETENTION TIME

PRESERVATIVES (1) HCL (3) = COLD (2) HNO_3 (4) = H_2SO_4

RELINQUISHED BY (Signature)	PRINT NAME/COMPANY	DATE/TIME	RECEIVED BY (Signature)	PRINT NAME/COMPANY
Michael Gengo	Michael Gengo SWS	7/14 14:23		
RECEIVED AT LAB BY:	DATE/TIME: 7/14/15 1423		CONDITIONS/COMMENTS: 15-3 / 15-6	

SHIPPED BY: [ ] FED EX [ ] UPS [ ] OTHER AIR BILL #

Stillwater Sciences
2855 Telegraph Ave., Suite 400
Berkeley, CA 94705

Project: SMUD UARP Bac-T Monitoring
Project Number: 750.10 Task 0900.01
Project Manager: Esther Adelstein

CLS Work Order #: 25G0823
COC #:

Microbiological Parameters by APHA Standard Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bac-10-UVR (25G0823-01) Surface Water Sampled: 07/14/25 09:50 Received: 07/14/25 14:23									
Fecal Coliforms	<1.8	1.8	MPN/100 mL	1	2505921	07/14/25 14:40	07/15/25	SM 9221	
E. Coli	**1.0**	1.0	"	"	2505919	07/14/25 17:40	07/15/25	SM9223	
Bac-7-UVR (25G0823-02) Surface Water Sampled: 07/14/25 10:10 Received: 07/14/25 14:23									
Fecal Coliforms	**13**	1.8	MPN/100 mL	1	2505921	07/14/25 14:40	07/15/25	SM 9221	
E. Coli	**4.1**	1.0	"	"	2505919	07/14/25 17:40	07/15/25	SM9223	
Bac-13-IHR (25G0823-03) Surface Water Sampled: 07/14/25 10:40 Received: 07/14/25 14:23									
Fecal Coliforms	<1.8	1.8	MPN/100 mL	1	2505921	07/14/25 14:40	07/15/25	SM 9221	
E. Coli	**3.1**	1.0	"	"	2505919	07/14/25 17:40	07/15/25	SM9223	
Bac-11-JR (25G0823-04) Surface Water Sampled: 07/14/25 11:50 Received: 07/14/25 14:23									
Fecal Coliforms	**7.8**	1.8	MPN/100 mL	1	2505921	07/14/25 14:40	07/15/25	SM 9221	
E. Coli	**3.0**	1.0	"	"	2505919	07/14/25 17:40	07/15/25	SM9223	
Bac-15-SCR (25G0823-05) Surface Water Sampled: 07/14/25 13:20 Received: 07/14/25 14:23									
Fecal Coliforms	**33**	1.8	MPN/100 mL	1	2505921	07/14/25 14:40	07/15/25	SM 9221	
E. Coli	**12.1**	1.0	"	"	2505919	07/14/25 17:40	07/15/25	SM9223	

Stillwater Sciences	Project: SMUD UARP Bac-T Monitoring	
2855 Telegraph Ave., Suite 400	Project Number: 750.10 Task 0900.01	**CLS Work Order #: 25G0823**
Berkeley, CA 94705	Project Manager: Esther Adelstein	COC #:

Notes and Definitions

BT-4	<1.8
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit (or method detection limit when specified)
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

APPENDIX C

In Situ Field Data

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Table C-1. *In situ* Tablet Raw Data, Upper American River Project Riverine Sites.

Date & Time (Local)	Instrument Used	Survey Recorded By	Weather	SWS Site ID	Temperature (°C)[1]	Dissolved Oxygen (mg/L)[1]	Dissolved Oxygen (% sat)[1]	Conductivity (uS/cm)[1]	Specific Conductance (mS/cm)[1]	pH (s.u.)[1]	Turbidity (NTU)[1]	Barometric Pressure (mm Hg)[1]	Notes
1/27/2025 9:58	YSI EXO2S	Elliott Allen	Sunny, 40	IS-14-SC	3.7	12.0	91	9	0.016	6.4	0.7	692.2	--
1/27/2025 10:22	YSI EXO2S	Elliott Allen	Sunny, 40	IS-13-SC	2.2	12.6	92	10	0.017	6.6	0.8	688.3	--
1/27/2025 11:14	YSI EXO2S	Elliott Allen	Sunny, 40	IS-12-SC	3.0	11.4	85	8	0.014	6.7	0.8	653.9	--
1/27/2025 11:32	YSI EXO2S	Elliott Allen	Sunny, 40	IS-11-SFSC	0.2	12.4	85	8	0.016	6.8	0.9	649.6	Ice on banks near where sample was taken.
1/27/2025 12:19	YSI EXO2S	Elliott Allen	Sunny, 40	IS-10-SFSC	4.2	10.5	80	7	0.012	6.9	1.0	629.5	--
1/27/2025 13:10	YSI EXO2S	Elliott Allen	Sunny, 40	IS-6-GC	1.7	11.3	81	6	0.010	6.9	0.8	632.5	--
1/27/2025 13:41	YSI EXO2S	Elliott Allen	Sunny, 40	IS-9-GCC	2.0	11.5	83	6	0.011	6.8	0.8	631.3	Sampled ~100 m upstream of typical point. Accessed canal via Ice House Road. Canal road inaccessible.
1/28/2025 8:35	YSI EXO2S	Elliott Allen	Clear, cold	IS-15-SFAR	2.2	12.1	88	29	0.051	7.4	0.7	715.1	--
1/28/2025 8:45	YSI EXO2S	Elliott Allen	Clear, cold	IS-16-SFAR	3.5	12.7	96	21	0.035	7.3	1.0	715.5	--
1/28/2025 9:13	YSI EXO2S	Elliott Allen	Cool, clear	IS-17-BC	5.1	11.8	93	15	0.025	7.3	1.2	692.2	--
1/28/2025 10:38	YSI EXO2S	Elliott Allen	Clear, cool	IS-19-SFAR	3.9	12.3	94	19	0.031	7.2	1.0	720.4	--
1/28/2025 11:24	YSI EXO2S	Elliott Allen	Clear, cool	IS-18-SFAR	3.3	13.2	99	26	0.044	7.3	1.0	737.7	--
1/28/2025 12:01	YSI EXO2S	Elliott Allen	Clear, cool, sunny	IS-20-SFAR	5.1	12.8	100	20	0.033	7.2	1.1	739.0	--
1/28/2025 12:44	YSI EXO2S	Elliott Allen	Sunny, 40	IS-21-SFAR	4.9	13.1	102	21	0.034	7.6	1.1	743.9	--
1/28/2025 13:06	YSI EXO2S	Elliott Allen	Clear, cool, sunny	IS-22-SFAR	5.1	12.4	97	22	0.036	7.4	0.8	746.4	--
1/28/2025 14:09	YSI EXO2S	Elliott Allen	Cool, sunny, clear	IS-23-SFAR	5.1	13.2	103	118	0.090	8.6	0.8	750.0	--
5/5/2025 11:50	YSI EXO2S	Elliott Allen	Sunny, 60	IS-11-SFSC	9.3	9.5	83	10	0.015	7.0	1.2	644.6	--
5/5/2025 12:09	YSI EXO2S	Elliott Allen	Sunny, 60	IS-12-SC	7.1	9.9	82	9	0.013	7.6	1.1	648.3	--
5/5/2025 13:07	YSI EXO2S	Elliott Allen	Sunny, 65	IS-13-SC	11.0	89.5	10	11	0.015	7.1	1.1	681.1	--
5/5/2025 13:31	YSI EXO2S	Elliott Allen	Sunny, 70	IS-14-SC	9.0	10.5	91	10	0.015	7.2	1.1	684.4	--
5/5/2025 15:19	YSI EXO2S	Elliott Allen	Sunny, 75	IS-16-SFAR	9.7	10.7	94	16	0.022	7.2	2.3	706.3	--
5/5/2025 15:30	YSI EXO2S	Elliott Allen	Sunny, 75	IS-15-SFAR	12.0	10.2	94	24	0.031	7.4	3.9	706.0	--
5/5/2025 16:02	YSI EXO2S	Elliott Allen	Sunny, 75	IS-17-BC	11.6	9.8	90	15	0.021	7.2	1.0	685.0	--
5/6/2025 9:07	YSI EXO2S	Elliott Allen	Sunny, 60	IS-19-SFAR	10.5	10.6	95	20	0.028	7.2	3.0	714.7	--
5/6/2025 9:52	YSI EXO2S	Elliott Allen	Sunny, 65	IS-18-SFAR	11.2	10.9	99	26	0.035	7.3	2.3	731.5	--
5/6/2025 10:39	YSI EXO2S	Elliott Allen	Sunny, 70	IS-20-SFAR	11.6	10.9	100	22	0.029	7.2	3.6	733.3	--
5/6/2025 11:10	YSI EXO2S	Elliott Allen	Sunny, 70	IS-21-SFAR	12.0	11.0	102	22	0.029	7.5	3.4	738.3	--
5/6/2025 11:37	YSI EXO2S	Elliott Allen	Clear, hot, sunny	IS-22-SFAR	12.4	10.9	102	23	0.030	7.4	3.6	740.9	--
5/6/2025 12:36	YSI EXO2S	Elliott Allen	Sunny, 70	IS-23-SFAR	17.1	9.8	102	146	0.172	8.3	1.4	744.8	--
5/8/2025 9:19	YSI EXO2S	Elliott Allen	Clear, calm, sunny	IS-10-SFSC	5.7	10.3	82	8	0.012	6.9	1.6	632.6	--
5/13/2025 14:02	YSI EXO2S	Elliott Allen	Cloudy, 45	IS-6-GC	6.4	10.3	84	7	0.010	6.8	1.0	630.6	--
5/13/2025 14:19	YSI EXO2S	Elliott Allen	Cloudy, 45	IS-9-GCC	8.8	10.1	87	7	0.010	6.8	0.9	629.2	--
5/13/2025 14:36	YSI EXO2S	Elliott Allen	Sunny, 50	IS-8-SFRR	8.2	9.8	83	9	0.013	6.5	0.9	635.7	--
5/13/2025 14:43	YSI EXO2S	Elliott Allen	Sunny, 50	IS-7-SFRR	7.8	10.1	85	9	0.013	6.7	1.0	634.7	--
5/13/2025 15:01	YSI EXO2S	Elliott Allen	Cloudy, 45	IS-5-GC	7.5	10.1	84	7	0.010	6.7	1.0	626.3	--
5/14/2025 10:50	YSI EXO2S	Elliott Allen	Clear, calm, sunny	IS-4-GC	7.1	9.4	78	5	0.008	6.9	4.2	606.4	--
5/20/2025 10:09	YSI EXO2S	Elliott Allen	Sunny and clear	IS-1-RR	4.6	9.7	75	5	8.800	7.3	0.2	603.3	Very near to the dam.
5/20/2025 11:39	YSI EXO2S	Elliott Allen	Sunny and clear	IS-2-LRR	8.0	9.0	76	5	7.800	7.1	0.2	603.9	High flows.

Date & Time (Local)	Instrument Used	Survey Recorded By	Weather	SWS Site ID	Temperature (°C)[1]	Dissolved Oxygen (mg/L)[1]	Dissolved Oxygen (% sat)[1]	Conductivity (uS/cm)[1]	Specific Conductance (mS/cm)[1]	pH (s.u.)[1]	Turbidity (NTU)[1]	Barometric Pressure (mm Hg)[1]	Notes
5/20/2025 13:58	YSI EXO2S	Elliott Allen	Sunny, 65	IS-3-LRR	8.7	9.1	79	5	7.800	7.2	0.1	605.4	--
8/11/2025 13:35	YSI EXO2S	Elliott Allen	Sunny, 80	IS-10-SFSC	7.4	9.5	79	8	0.012	6.1	1.4	632.5	--
8/11/2025 14:16	YSI EXO2S	Elliott Allen	Sunny, 80	IS-11-SFSC	22.9	7.3	85	14	0.015	7.1	0.3	651.0	--
8/11/2025 14:32	YSI EXO2S	Elliott Allen	Sunny, 80	IS-12-SC	12.9	8.7	82	10	0.013	6.9	0.7	655.0	--
8/11/2025 15:25	YSI EXO2S	Elliott Allen	Sunny, 80	IS-13-SC	20.9	8.1	91	16	0.017	7.1	0.5	686.5	--
8/12/2025 9:40	YSI EXO2S	Elliott Allen	Sunny, 65	IS-14-SC	11.0	10.2	92	11	0.015	7.1	0.8	689.5	Didymo in channel.
8/12/2025 11:08	YSI EXO2S	Elliott Allen	Sunny, 85	IS-16-SFAR	16.0	9.6	98	26	0.032	7.1	0.8	711.1	--
8/12/2025 11:20	YSI EXO2S	Elliott Allen	Sunny, 85	IS-15-SFAR	22.1	8.6	98	49	0.052	7.5	1.0	710.8	--
8/12/2025 11:51	YSI EXO2S	Elliott Allen	Sunny, 95	IS-17-BC	16.6	8.9	91	28	0.033	7.1	3.3	690.1	--
8/12/2025 13:10	YSI EXO2S	Elliott Allen	Sunny, 95	IS-19-SFAR	15.2	9.6	95	17	0.021	7.2	1.2	715.8	--
8/12/2025 13:55	YSI EXO2S	Elliott Allen	Sunny, 95	IS-18-SFAR	20.9	9.2	103	27	0.029	7.6	0.5	732.0	--
8/12/2025 14:33	YSI EXO2S	Elliott Allen	Sunny, 95	IS-20-SFAR	16.6	10.0	103	20	0.024	7.1	0.9	733.8	--
8/12/2025 15:00	YSI EXO2S	Elliott Allen	Sunny, 95	IS-21-SFAR	18.3	9.6	102	21	0.024	7.3	1.1	738.4	--
8/12/2025 15:20	YSI EXO2S	Elliott Allen	Sunny, 95	IS-22-SFAR	19.2	9.6	104	22	0.025	7.3	1.2	740.9	--
8/12/2025 16:32	YSI EXO2S	Elliott Allen	Sunny, 90	IS-23-SFAR	22.6	9.0	104	34	0.036	7.8	0.8	744.9	Didymo observed on rocks near shore.
8/13/2025 11:58	YSI EXO2S	Elliott Allen	Clear, calm, warm	IS-4-GC	11.0	8.7	79	7	0.009	6.8	1.3	609.1	--
8/14/2025 9:10	YSI EXO2S	Elliott Allen	Balmy, sunny, warm	IS-1-RR	22.1	6.6	76	14	0.014	7.2	0.8	603.3	Photos on EFA phone.
8/14/2025 8:15	YSI EXO2S	Elliott Allen	Clear, cool, balmy	IS-2-LRR	21.6	6.4	72	11	0.012	7.2	0.7	604.2	Likely sampled in isolated pool, low flow, photo on EFA phone.
8/14/2025 14:51	YSI EXO2S	Elliott Allen	Clear, calm, sunny	IS-3-LRR	22.3	77.1	7	10	0.010	7.5	0.5	605.5	Photo on EFA phone.
8/14/2025 14:59	YSI EXO2S	Elliott Allen	Clear, calm, warm	IS-5-GC	20.0	7.5	82	10	0.011	7.9	0.6	628.1	--
8/14/2025 15:16	YSI EXO2S	Elliott Allen	Sunny, clear, hot	IS-6-GC	16.5	8.0	82	9	0.011	7.8	0.8	632.2	--
8/14/2025 15:30	YSI EXO2S	Elliott Allen	Sunny, warm	IS-9-GCC	19.1	8.0	86	10	0.011	7.4	0.7	630.7	--
8/14/2025 15:44	YSI EXO2S	Elliott Allen	Clear, calm, warm	IS-8-SFRR	18.5	7.9	85	10	0.012	7.5	0.7	637.0	--
8/14/2025 15:50	YSI EXO2S	Elliott Allen	Clear, sunny, warm	IS-7-SFRR	18.6	7.8	84	11	0.012	7.3	0.7	636.0	--
11/4/2025 10:04	YSI EXO2S	Elliott Allen	Sunny, clear, calm	IS-3-LRR	10.0	8.5	75	7	0.010	6.8	1.1	605.5	--
11/4/2025 10:52	YSI EXO2S	Elliott Allen	Clear, windy	IS-2-LRR	10.0	8.9	79	6	0.009	7.0	1.4	604.0	--
11/4/2025 11:47	YSI EXO2S	Elliott Allen	Clear, sunny, breezy	IS-1-RR	9.4	8.5	75	8	0.011	6.9	1.0	602.8	--
11/5/2025 9:35	YSI EXO2S	Elliott Allen	Rainy, cloudy	IS-11-SFSC	6.4	10.0	81	10	0.016	7.7	1.1	649.0	--
11/5/2025 9:58	YSI EXO2S	Elliott Allen	Rainy, cloudy	IS-12-SC	7.3	10.0	83	9	0.014	7.4	1.5	653.5	--
11/5/2025 10:52	YSI EXO2S	Elliott Allen	Rainy, cloudy	IS-13-SC	8.6	10.3	88	11	0.016	7.0	1.6	688.2	--
11/5/2025 11:14	YSI EXO2S	Elliott Allen	Rainy, cloudy	IS-14-SC	8.8	10.5	90	11	0.015	6.9	1.1	691.9	--
11/5/2025 12:49	YSI EXO2S	Elliott Allen	Rainy, cloudy	IS-16-SFAR	9.5	11.0	96	20	0.028	6.8	1.1	715.5	Checked to recal DO but looked good so no recal.
11/5/2025 12:58	YSI EXO2S	Elliott Allen	Rainy, cloudy	IS-15-SFAR	9.4	10.6	93	41	0.058	7.1	1.2	715.4	--
11/5/2025 13:30	YSI EXO2S	Elliott Allen	Cloudy, rainy	IS-17-BC	13.0	9.5	90	20	0.026	6.8	1.6	693.1	--
11/6/2025 8:50	YSI EXO2S	Elliott Allen	Clear, cool	IS-18-SFAR	11.1	10.8	98	29	0.040	7.2	0.9	739.9	--
11/6/2025 9:43	YSI EXO2S	Elliott Allen	Clear, cool	IS-19-SFAR	10.4	10.5	94	17	0.024	7.1	1.0	722.8	--
11/6/2025 10:19	YSI EXO2S	Elliott Allen	Clear, sunny	IS-20-SFAR	11.6	11.1	102	20	0.027	6.6	0.8	741.9	--
11/6/2025 10:49	YSI EXO2S	Elliott Allen	Clear, cool	IS-21-SFAR	11.3	11.2	102	19	0.026	6.5	0.8	747.1	--
11/6/2025 11:14	YSI EXO2S	Elliott Allen	clear, calm, warm	IS-22-SFAR	11.7	11.1	102	21	0.027	6.3	0.7	749.5	--

Date & Time (Local)	Instrument Used	Survey Recorded By	Weather	SWS Site ID	Temperature (°C)[1]	Dissolved Oxygen (mg/L)[1]	Dissolved Oxygen (% sat)[1]	Conductivity (uS/cm)[1]	Specific Conductance (mS/cm)[1]	pH (s.u.)[1]	Turbidity (NTU)[1]	Barometric Pressure (mm Hg)[1]	Notes
11/6/2025 12:38	YSI EXO2S	Elliott Allen	Clear, slight breeze, warm	IS-23-SFAR	13.0	10.7	102	93	0.120	8.2	2.2	752.7	--
11/7/2025 9:05	YSI EXO2S	Elliott Allen	Cloudy	IS-10-SFSC	7.1	7.9	65	9	0.014	6.6	2.1	631.4	--
11/7/2025 9:50	YSI EXO2S	Elliott Allen	Cloudy, drizzle	IS-5-GC	9.4	9.3	81	9	0.013	7.2	1.3	630.5	--
11/7/2025 10:07	YSI EXO2S	Elliott Allen	Cloudy, drizzle	IS-6-GC	8.7	9.3	80	9	0.013	7.0	1.2	634.9	--
11/7/2025 10:25	YSI EXO2S	Elliott Allen	Cloudy, slight drizzle	IS-9-GCC	9.2	9.3	81	13	0.019	6.9	1.3	633.7	--
11/7/2025 10:40	YSI EXO2S	Elliott Allen	Cloudy	IS-8-SFRR	9.0	9.6	83	12	0.017	6.9	1.4	640.0	--
11/7/2025 10:48	YSI EXO2S	Elliott Allen	Cloudy	IS-7-SFRR	9.0	9.6	83	15	0.022	7.0	1.2	639.0	--
11/19/2025 14:20	YSI EXO2	Elliott Allen	Overcast, 40	IS-4-GC	8.9	9.3	80	7	0.009	6.2	0.9	603.3	--

Notes: -- = no additional notes
°C = degree Celsius
% sat = percent saturation
uS/cm = microsiemen per centimeter
DO = dissolved oxygen
mg/L = milligram per liter
mm Hg = millimeter of mercury
mS/cm = millisiemen per centimeter
NTU = nephelometric turbidity units
s.u. = standard unit
YSI = Yellow Springs Instrument

[1] Data were transcribed from the YSI EXO2S to a tablet, including additional digits beyond the parameter method detection limit.

Table C-2. *In situ* Tablet Raw Data, Upper American River Project Reservoir Sites.

Date & Time (Local)	Instrument Used	Survey Recorded By	Weather	SWS Site ID	Depth (m)	Temperature (°C)[1]	Dissolved Oxygen (mg/L)[1]	Dissolved Oxygen (% sat)[1]	Conductivity (uS/cm)[1]	Specific Conductance (mS/cm)[1]	pH (s.u.)[1]	Turbidity (NTU)[1]	Secchi Depth (feet)[1]	Barometric Pressure (mm Hg)[1]	Notes
5/7/2025 10:15	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-13-CR	0	7.849	10.98	92.4	9.4	0.014	7.01	1.12	24.5	687	--
5/7/2025 10:15	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-13-CR	1	7.469	11.1	92.5	9.3	0.014	6.79	1.25	24.5	687	--
5/7/2025 10:15	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-13-CR	2	7.3	11.16	92.6	9.2	0.014	6.7	1.26	24.5	687	--
5/7/2025 10:15	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-13-CR	3	7.244	11.16	92.5	9.2	0.014	6.69	1.29	24.5	687	--
5/7/2025 10:15	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-13-CR	4	7.227	11.17	92.6	9.2	0.014	6.68	1.23	24.5	687	--
5/7/2025 10:15	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-13-CR	5	7.192	11.19	92.6	9.2	0.014	6.67	1.26	24.5	687	--
5/7/2025 10:15	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-13-CR	6	7.171	11.2	92.7	9.1	0.014	6.65	1.22	24.5	687	--
5/7/2025 10:15	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-13-CR	7	7.013	11.24	92.6	9	0.014	6.65	1.24	24.5	687	--
5/7/2025 12:16	YSI EXO2S	Elliott Allen	Sunny, 70	R-IS-12-JR	0	12.974	9.12	86.5	11.6	0.015	7.05	0.7	20.5	650.5	--
5/7/2025 12:16	YSI EXO2S	Elliott Allen	Sunny, 70	R-IS-12-JR	1	10.288	9.91	88.3	11.1	0.015	7.07	1.13	20.5	650.5	--
5/7/2025 12:16	YSI EXO2S	Elliott Allen	Sunny, 70	R-IS-12-JR	2	7.501	10.07	84	9.9	0.015	7.09	1.26	20.5	650.5	--
5/7/2025 12:16	YSI EXO2S	Elliott Allen	Sunny, 70	R-IS-12-JR	3	7.113	10.3	85.1	9.7	0.015	7.04	1.26	20.5	650.5	--
5/7/2025 12:16	YSI EXO2S	Elliott Allen	Sunny, 70	R-IS-12-JR	4	6.814	10.34	84.8	9.4	0.014	6.99	1.31	20.5	650.5	--
5/7/2025 12:16	YSI EXO2S	Elliott Allen	Sunny, 70	R-IS-12-JR	5	6.675	10.36	84.7	9	0.014	6.94	1.29	20.5	650.5	--
5/7/2025 12:16	YSI EXO2S	Elliott Allen	Sunny, 70	R-IS-12-JR	6	6.548	10.35	84.3	9	0.014	6.87	1.29	20.5	650.5	--
5/7/2025 12:16	YSI EXO2S	Elliott Allen	Sunny, 70	R-IS-12-JR	7	6.456	10.4	84.6	8.6	0.013	6.82	1.22	20.5	650.5	--
5/7/2025 12:16	YSI EXO2S	Elliott Allen	Sunny, 70	R-IS-12-JR	8	6.334	10.44	84.6	8.5	0.013	6.79	1.23	20.5	650.5	--
5/7/2025 12:16	YSI EXO2S	Elliott Allen	Sunny, 70	R-IS-12-JR	9	6.246	10.43	84.3	8.4	0.013	6.75	1.23	20.5	650.5	--
5/7/2025 12:16	YSI EXO2S	Elliott Allen	Sunny, 70	R-IS-12-JR	10	6.215	10.4	84	8.4	0.013	6.75	1.23	20.5	650.5	--
5/7/2025 12:16	YSI EXO2S	Elliott Allen	Sunny, 70	R-IS-12-JR	11	6.159	10.42	84	8.4	0.013	6.72	1.23	20.5	650.5	--
5/7/2025 12:16	YSI EXO2S	Elliott Allen	Sunny, 70	R-IS-12-JR	12	6.116	10.43	84.1	8.3	0.013	6.73	1.25	20.5	650.5	--
5/7/2025 12:16	YSI EXO2S	Elliott Allen	Sunny, 70	R-IS-12-JR	13	6.095	10.36	83.4	8.3	0.013	6.72	1.24	20.5	650.5	--
5/7/2025 12:16	YSI EXO2S	Elliott Allen	Sunny, 70	R-IS-12-JR	14	6.068	10.34	83.2	8.3	0.013	6.73	1.22	20.5	650.5	--
5/7/2025 12:16	YSI EXO2S	Elliott Allen	Sunny, 70	R-IS-12-JR	15	6.047	10.32	83	8.3	0.013	6.71	1.24	20.5	650.5	--
5/7/2025 12:16	YSI EXO2S	Elliott Allen	Sunny, 70	R-IS-12-JR	16	6.016	10.32	82.9	8.3	0.013	6.73	1.27	20.5	650.5	--
5/7/2025 12:16	YSI EXO2S	Elliott Allen	Sunny, 70	R-IS-12-JR	17	5.972	10.31	82.8	8.3	0.013	6.72	1.22	20.5	650.5	--
5/7/2025 12:16	YSI EXO2S	Elliott Allen	Sunny, 70	R-IS-12-JR	18	5.97	10.3	82.7	8.3	0.013	6.72	1.23	20.5	650.5	--
5/7/2025 12:16	YSI EXO2S	Elliott Allen	Sunny, 70	R-IS-12-JR	19	5.95	10.29	82.5	8.3	0.013	6.72	1.25	20.5	650.5	--
5/7/2025 12:16	YSI EXO2S	Elliott Allen	Sunny, 70	R-IS-12-JR	20	5.919	10.22	81.9	8.3	0.013	6.67	1.36	20.5	650.5	--
5/8/2025 10:10	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-9-IHR	0	13.814	9.24	89.3	9.5	0.012	7.32	0.71	13.8	629.5	--
5/8/2025 10:10	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-9-IHR	1	13.269	9.37	89.4	9.3	0.012	7.26	0.92	13.8	629.5	--
5/8/2025 10:10	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-9-IHR	2	12.909	9.47	89.7	9.2	0.012	7.24	0.96	13.8	629.5	--
5/8/2025 10:10	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-9-IHR	3	11.47	9.78	89.7	8.6	0.012	7.24	1.16	13.8	629.5	--
5/8/2025 10:10	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-9-IHR	4	10.928	9.99	90.4	8.3	0.011	7.24	1.14	13.8	629.5	--

Date & Time (Local)	Instrument Used	Survey Recorded By	Weather	SWS Site ID	Depth (m)	Temperature (°C)[1]	Dissolved Oxygen (mg/L)[1]	Dissolved Oxygen (% sat)[1]	Conductivity (uS/cm)[1]	Specific Conductance (mS/cm)[1]	pH (s.u.)[1]	Turbidity (NTU)[1]	Secchi Depth (feet)[1]	Barometric Pressure (mm Hg)[1]	Notes
5/8/2025 10:10	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-9-IHR	5	10.557	10.09	90.6	8.1	0.011	7.22	1.29	13.8	629.5	--
5/8/2025 10:10	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-9-IHR	6	10.398	10.11	90.4	8.1	0.011	7.2	1.07	13.8	629.5	--
5/8/2025 10:10	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-9-IHR	7	9.045	10.2	88.4	7.4	0.011	7.15	1.06	13.8	629.5	--
5/8/2025 10:10	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-9-IHR	8	8.369	10.25	87.3	7.2	0.01	7.1	0.97	13.8	629.5	--
5/8/2025 10:10	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-9-IHR	9	8.007	10.25	86.6	7	0.01	7.03	1.15	13.8	629.5	--
5/8/2025 10:10	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-9-IHR	10	7.468	10.3	85.8	6.9	0.01	6.95	1.02	13.8	629.5	--
5/8/2025 10:10	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-9-IHR	11	7.34	10.32	85.7	7	0.011	6.77	1.16	13.8	629.5	--
5/8/2025 10:10	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-9-IHR	12	7.058	10.32	85.2	7	0.011	6.68	1.15	13.8	629.5	--
5/8/2025 10:10	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-9-IHR	13	6.918	10.33	84.9	6.9	0.011	6.69	1.1	13.8	629.5	--
5/8/2025 10:10	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-9-IHR	14	6.626	10.29	84	7.1	0.011	6.67	1.07	13.8	629.5	--
5/8/2025 10:10	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-9-IHR	15	6.479	10.25	83.3	7.1	0.011	6.64	1.08	13.8	629.5	--
5/8/2025 10:10	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-9-IHR	16	6.37	10.22	82.8	7.2	0.011	6.63	1.11	13.8	629.5	--
5/8/2025 10:10	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-9-IHR	17	6.28	10.2	82.5	7.3	0.011	6.63	1.04	13.8	629.5	--
5/8/2025 10:10	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-9-IHR	18	6.197	10.15	81.9	7.3	0.011	6.61	1.08	13.8	629.5	--
5/8/2025 10:10	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-9-IHR	19	6.182	10.14	81.8	7.3	0.011	6.6	1.05	13.8	629.5	--
5/8/2025 10:10	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-9-IHR	20	5.974	10.05	80.7	7.4	0.012	6.58	1.3	13.8	629.5	--
5/8/2025 10:10	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-9-IHR	21	5.737	9.84	78.5	7.6	0.012	6.53	1.11	13.8	629.5	--
5/8/2025 10:48	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-10-IHR	0	14.112	9.21	89.6	9.6	0.012	7.13	0.79	14.5	629.5	--
5/8/2025 10:48	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-10-IHR	1	13.408	9.42	90.2	9.4	0.012	7.12	0.9	14.5	629.5	--
5/8/2025 10:48	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-10-IHR	2	13.21	9.46	90.2	9.4	0.012	7.16	0.93	14.5	629.5	--
5/8/2025 10:48	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-10-IHR	3	12.411	9.65	90.3	9.1	0.012	7.19	0.91	14.5	629.5	--
5/8/2025 10:48	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-10-IHR	4	10.89	10.13	91.6	8.6	0.012	7.22	1.1	14.5	629.5	--
5/8/2025 10:48	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-10-IHR	5	9.748	10.39	91.5	8.1	0.011	7.21	1.09	14.5	629.5	--
5/8/2025 10:48	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-10-IHR	6	8.862	10.47	90.3	7.7	0.011	7.18	1.05	14.5	629.5	--
5/8/2025 10:48	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-10-IHR	7	8.699	10.5	90.1	7.7	0.011	7.11	1.07	14.5	629.5	--
5/8/2025 10:48	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-10-IHR	8	8.321	10.57	89.9	7.7	0.011	7.08	1.08	14.5	629.5	--
5/8/2025 10:48	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-10-IHR	9	7.706	10.56	88.5	7.5	0.011	7.05	1.04	14.5	629.5	--
5/8/2025 10:48	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-10-IHR	10	7.46	10.55	87.9	7.5	0.011	7.01	1.07	14.5	629.5	--

Date & Time (Local)	Instrument Used	Survey Recorded By	Weather	SWS Site ID	Depth (m)	Temperature (°C)[1]	Dissolved Oxygen (mg/L)[1]	Dissolved Oxygen (% sat)[1]	Conductivity (uS/cm)[1]	Specific Conductance (mS/cm)[1]	pH (s.u.)[1]	Turbidity (NTU)[1]	Secchi Depth (feet)[1]	Barometric Pressure (mm Hg)[1]	Notes
5/8/2025 10:48	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-10-IHR	11	7.297	10.52	87.3	7.6	0.011	6.97	1.19	14.5	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	0	14.157	9.23	89.9	9.6	0.012	7.12	0.82	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	1	13.398	9.35	89.6	9.4	0.012	7.13	0.88	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	2	13.046	9.44	89.7	9.3	0.012	7.15	0.95	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	3	12.784	9.53	90	9.3	0.012	7.17	1.11	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	4	12.076	8.75	90.6	9	0.012	7.18	1.02	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	5	10.245	10.35	92.2	8.4	0.012	7.19	1.04	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	6	8.605	10.8	92.5	7.9	0.012	7.2	1.11	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	7	7.806	10.85	91.2	7.7	0.012	7.16	1.21	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	8	7.473	10.82	90.2	7.7	0.012	7.12	1.02	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	9	7.047	10.79	89	7.7	0.012	7.04	1.11	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	10	6.729	10.73	87.8	7.8	0.012	7.01	1.1	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	11	6.359	10.57	85.6	7.7	0.012	6.94	1.06	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	12	6.199	10.45	84.4	7.7	0.012	6.89	1.06	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	13	6.041	10.36	83.3	7.7	0.012	6.84	1.09	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	14	5.882	10.22	81.8	7.7	0.012	6.73	1.06	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	15	5.792	10.13	80.9	7.7	0.012	6.65	1.05	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	16	5.719	10.06	80.2	7.7	0.012	6.64	1.16	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	17	5.66	10.02	79.8	7.7	0.012	6.62	1.05	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	18	5.634	9.96	79.3	7.7	0.012	6.58	1.09	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	19	5.62	9.95	79.1	7.7	0.012	6.6	1.04	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	20	5.603	9.93	79	7.7	0.012	6.62	1.06	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	21	5.579	9.91	78.8	7.6	0.012	6.61	1.05	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	22	5.552	9.88	78.5	7.6	0.012	6.59	1.03	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	23	5.533	9.87	78.4	7.6	0.012	6.59	1.07	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	24	5.53	9.86	78.3	7.6	0.012	6.59	1.07	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	25	5.533	9.87	78.3	7.6	0.012	6.59	1.16	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	26	5.522	9.86	78.3	7.6	0.012	6.58	1.08	13.8	629.5	--

Date & Time (Local)	Instrument Used	Survey Recorded By	Weather	SWS Site ID	Depth (m)	Temperature (°C)[1]	Dissolved Oxygen (mg/L)[1]	Dissolved Oxygen (% sat)[1]	Conductivity (uS/cm)[1]	Specific Conductance (mS/cm)[1]	pH (s.u.)[1]	Turbidity (NTU)[1]	Secchi Depth (feet)[1]	Barometric Pressure (mm Hg)[1]	Notes
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	27	5.491	9.84	78	7.6	0.012	6.58	1.08	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	28	5.482	9.82	77.9	7.6	0.012	6.56	1.07	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	29	5.474	9.81	77.7	7.6	0.012	6.57	1.09	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	30	5.465	9.79	77.6	7.6	0.012	6.55	1.08	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	31	5.461	9.78	77.5	7.6	0.012	6.55	1.07	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	32	5.45	9.75	77.2	7.7	0.012	6.55	1.11	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	33	5.442	9.71	76.9	7.7	0.012	6.52	1.11	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	34	5.437	9.68	76.6	7.7	0.012	6.53	1.12	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	35	5.417	9.66	76.4	7.7	0.012	6.52	1.15	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	36	5.397	9.6	76	7.7	0.012	6.53	1.14	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	37	5.39	9.56	75.6	7.7	0.012	6.5	1.13	13.8	629.5	--
5/8/2025 11:16	YSI EXO2S	Michael Schweiker	Clear, breezy, sunny	R-IS-11-IHR	38	5.386	9.51	75.2	7.7	0.012	6.5	1.2	13.8	629.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	0	14.203	10.56	102.9	22.8	0.029	7.51	0.89	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	1	13.853	10.52	101.8	22.4	0.028	7.29	0	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	2	13.596	10.56	101.6	22.1	0.028	7.23	114	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	3	13.212	10.59	101	21.6	0.028	7.21	1.29	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	4	13.05	10.6	100.8	21.5	0.028	7.19	1.3	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	5	13.019	10.6	100.7	21.4	0.028	7.17	1.42	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	6	12.527	10.62	99.7	20.9	0.027	7.15	1.47	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	7	12.144	10.68	99.4	20.5	0.027	7.13	1.48	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	8	11.908	10.7	99.1	20.2	0.027	7.11	1.69	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	9	11.787	10.72	98.9	20.1	0.027	7.08	1.72	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	10	11.748	10.73	99	20.1	0.027	7.06	1.85	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	11	11.627	10.74	98.8	20	0.027	7.06	1.74	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	12	11.615	10.75	98.9	20	0.027	7.06	1.88	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	13	11.553	10.75	98.7	20	0.027	7.06	1.78	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	14	11.474	10.75	98.6	19.9	0.027	7.05	1.61	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	15	11.421	10.75	98.4	19.8	0.027	7.05	1.62	14.5	715.5	--

Date & Time (Local)	Instrument Used	Survey Recorded By	Weather	SWS Site ID	Depth (m)	Temperature (°C)[1]	Dissolved Oxygen (mg/L)[1]	Dissolved Oxygen (% sat)[1]	Conductivity (uS/cm)[1]	Specific Conductance (mS/cm)[1]	pH (s.u.)[1]	Turbidity (NTU)[1]	Secchi Depth (feet)[1]	Barometric Pressure (mm Hg)[1]	Notes
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	16	11.378	10.75	98.4	19.8	0.027	7.04	1.72	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	17	11.268	10.76	98.2	19.7	0.027	7.04	1.58	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	18	11.234	10.74	98	19.7	0.027	7.03	1.73	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	19	11.188	10.75	97.8	91.6	0.027	7.02	1.69	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	20	11.167	10.74	97.7	19.6	0.027	7.01	1.66	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	21	11.05	10.73	97.4	19.4	0.026	7.01	1.6	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	22	11.032	10.74	97.5	19.2	0.026	7	1.66	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	23	11.027	10.74	97.5	19.1	0.026	6.98	1.6	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	24	10.95	10.73	97.2	18.5	0.025	6.99	1.64	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	25	10.945	10.73	97.2	18.4	0.025	6.98	1.76	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	26	10.893	10.74	97.1	18.5	0.025	6.96	1.79	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	27	10.906	10.74	97.1	18.4	0.025	6.96	1.7	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	28	10.861	10.73	97	18.4	0.025	6.97	1.58	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	29	10.862	10.72	96.9	18.3	0.025	6.97	1.68	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	30	10.851	10.73	96.9	18.6	0.025	6.98	1.68	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	31	10.788	10.73	96.8	18.6	0.025	6.97	1.66	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	32	10.719	10.72	96.6	18.4	0.025	6.94	1.7	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	33	10.663	10.69	96.2	18.4	0.025	6.94	2.15	14.5	715.5	--
5/9/2025 9:50	YSI EXO2S	Michael Schweiker	Clear, calm, sunny	R-IS-15-SC	34	10.616	10.67	95.9	18.4	0.025	6.92	2.03	14.5	715.5	--
5/9/2025 11:30	YSI EXO2S	Michael Schweiker	Sunny, calm, warm	R-IS-14-SC	0	10.745	10.5	94.6	16.7	0.023	7.18	2.72	7.0	715.2	--
5/9/2025 11:30	YSI EXO2S	Michael Schweiker	Sunny, calm, warm	R-IS-14-SC	1	10.624	10.89	97.9	16.8	0.023	7.11	2.86	7.0	715.2	--
5/9/2025 11:30	YSI EXO2S	Michael Schweiker	Sunny, calm, warm	R-IS-14-SC	2	10.513	10.95	98.1	16.7	0.023	7.07	3.07	7.0	715.2	--
5/9/2025 11:30	YSI EXO2S	Michael Schweiker	Sunny, calm, warm	R-IS-14-SC	3	10.46	10.96	98.2	16.8	0.023	7.08	3.09	7.0	715.2	--
5/9/2025 11:30	YSI EXO2S	Michael Schweiker	Sunny, calm, warm	R-IS-14-SC	4	10.439	10.98	98.3	16.8	0.023	7.04	3.11	7.0	715.2	--
5/9/2025 11:30	YSI EXO2S	Michael Schweiker	Sunny, calm, warm	R-IS-14-SC	5	10.431	10.99	98.3	16.8	0.023	7.05	3.15	7.0	715.2	--
5/9/2025 11:30	YSI EXO2S	Michael Schweiker	Sunny, calm, warm	R-IS-14-SC	6	10.423	10.99	98.3	16.8	0.023	7.03	3.04	7.0	715.2	--
5/12/2025 11:37	YSI EXO2S	Michael Schweiker	Windy, rainy, cold	R-IS-5-UVR	0	13.887	9.08	87.9	9.6	0.012	7.17	0.74	15.8	635.4	--
5/12/2025 11:37	YSI EXO2S	Michael Schweiker	Windy, rainy, cold	R-IS-5-UVR	1	13.889	9.1	88.1	9.6	0.012	6.92	0.73	15.8	635.4	--

Date & Time (Local)	Instrument Used	Survey Recorded By	Weather	SWS Site ID	Depth (m)	Temperature (°C)[1]	Dissolved Oxygen (mg/L)[1]	Dissolved Oxygen (% sat)[1]	Conductivity (uS/cm)[1]	Specific Conductance (mS/cm)[1]	pH (s.u.)[1]	Turbidity (NTU)[1]	Secchi Depth (feet)[1]	Barometric Pressure (mm Hg)[1]	Notes
5/12/2025 11:37	YSI EXO2S	Michael Schweiker	Windy, rainy, cold	R-IS-5-UVR	2	13.876	9.11	88.1	9.6	0.012	6.8	0.76	15.8	635.4	--
5/12/2025 11:37	YSI EXO2S	Michael Schweiker	Windy, rainy, cold	R-IS-5-UVR	3	13.841	9.12	88.2	9.5	0.012	6.75	0.74	15.8	635.4	--
5/12/2025 11:37	YSI EXO2S	Michael Schweiker	Windy, rainy, cold	R-IS-5-UVR	4	13.797	9.13	88.2	9.5	0.012	6.7	0.76	15.8	635.4	--
5/12/2025 11:37	YSI EXO2S	Michael Schweiker	Windy, rainy, cold	R-IS-5-UVR	5	13.805	9.14	88.3	9.5	0.012	6.66	0.75	15.8	635.4	--
5/12/2025 11:37	YSI EXO2S	Michael Schweiker	Windy, rainy, cold	R-IS-5-UVR	6	13.346	9.07	86.8	9.2	0.012	6.64	0.72	15.8	635.4	--
5/12/2025 11:37	YSI EXO2S	Michael Schweiker	Windy, rainy, cold	R-IS-5-UVR	7	11.109	9.58	87	8.3	0.011	6.59	0.75	15.8	635.4	--
5/12/2025 11:37	YSI EXO2S	Michael Schweiker	Windy, rainy, cold	R-IS-5-UVR	8	10.392	9.73	87	8	0.011	6.3	0.83	15.8	635.4	--
5/12/2025 11:37	YSI EXO2S	Michael Schweiker	Windy, rainy, cold	R-IS-5-UVR	9	10.172	9.76	86.8	7.9	0.011	6.24	0.84	15.8	635.4	--
5/12/2025 11:37	YSI EXO2S	Michael Schweiker	Windy, rainy, cold	R-IS-5-UVR	10	10.1	9.76	86.7	7.9	0.011	6.2	0.86	15.8	635.4	--
5/12/2025 11:37	YSI EXO2S	Michael Schweiker	Windy, rainy, cold	R-IS-5-UVR	11	9.832	9.75	86.1	8	0.011	6.2	0.85	15.8	635.4	--
5/12/2025 11:37	YSI EXO2S	Michael Schweiker	Windy, rainy, cold	R-IS-5-UVR	12	8.098	9.92	84	7.4	0.011	6.2	0.88	15.8	635.4	--
5/12/2025 11:37	YSI EXO2S	Michael Schweiker	Windy, rainy, cold	R-IS-5-UVR	13	7.143	10.01	82.7	7.5	0.011	6.12	0.87	15.8	635.4	--
5/12/2025 11:37	YSI EXO2S	Michael Schweiker	Windy, rainy, cold	R-IS-5-UVR	14	6.693	10	81.7	7.5	0.012	6.08	0.92	15.8	635.4	--
5/12/2025 11:37	YSI EXO2S	Michael Schweiker	Windy, rainy, cold	R-IS-5-UVR	15	6.38	9.96	80.8	7.6	0.012	6.03	0.93	15.8	635.4	--
5/12/2025 11:37	YSI EXO2S	Michael Schweiker	Windy, rainy, cold	R-IS-5-UVR	16	6.221	9.92	80.1	7.7	0.012	6.04	0.95	15.8	635.4	--
5/12/2025 11:37	YSI EXO2S	Michael Schweiker	Windy, rainy, cold	R-IS-5-UVR	17	6.15	9.88	73.7	7.7	0.012	6.02	0.96	15.8	635.4	--
5/12/2025 11:37	YSI EXO2S	Michael Schweiker	Windy, rainy, cold	R-IS-5-UVR	18	5.961	9.85	79.1	7.8	0.012	6.03	0.96	15.8	635.4	--
5/12/2025 11:37	YSI EXO2S	Michael Schweiker	Windy, rainy, cold	R-IS-5-UVR	19	5.916	9.83	78.8	7.8	0.012	6.03	0.96	15.8	635.4	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	0	13.941	9.18	89	9.7	0.012	6.94	0.81	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	1	13.961	9.17	88.9	9.7	0.012	6.92	0.8	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	2	13.956	9.17	88.9	9.7	0.012	6.93	0.8	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	3	13.95	9.17	88.8	9.7	0.012	6.92	0.73	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	4	13.939	9.17	88.9	9.7	0.012	6.92	0.76	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	5	13.878	9.18	88.9	9.6	0.012	6.91	0.76	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	6	11.357	9.58	87.6	8.3	0.011	6.87	0.7	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	7	11.06	9.68	87.9	8.4	0.011	6.82	0.78	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	8	10.232	9.82	87.5	8.3	0.012	6.82	0.83	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	9	9.75	9.89	87.1	8.1	0.011	6.79	0.93	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	10	9.387	9.95	86.8	8.2	0.012	6.72	0.91	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	11	9.322	9.95	86.8	8	0.011	6.72	0.86	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	12	9.134	9.97	86.5	8	0.011	6.7	0.86	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	13	9.033	9.99	86.5	8	0.011	6.7	0.89	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	14	8.73	10.01	86.1	7.9	0.011	6.66	0.91	16.0	635.3	--

Date & Time (Local)	Instrument Used	Survey Recorded By	Weather	SWS Site ID	Depth (m)	Temperature (°C)[1]	Dissolved Oxygen (mg/L)[1]	Dissolved Oxygen (% sat)[1]	Conductivity (uS/cm)[1]	Specific Conductance (mS/cm)[1]	pH (s.u.)[1]	Turbidity (NTU)[1]	Secchi Depth (feet)[1]	Barometric Pressure (mm Hg)[1]	Notes
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	15	8.247	10.05	85.4	7.9	0.012	6.64	0.93	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	16	7.929	10.07	84.9	7.9	0.012	6.64	0.9	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	17	7.757	10.07	84.5	7.9	0.012	6.63	0.91	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	18	7.484	10.07	84	7.9	0.012	6.57	0.94	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	19	7.566	10.08	84.2	7.9	0.012	6.49	0.91	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	20	7.379	10.06	83.6	7.8	0.012	6.47	0.93	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	21	7.406	10.05	83.6	7.8	0.012	6.43	0.94	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	22	7.285	10.05	83.4	7.8	0.012	6.38	0.93	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	23	7.172	10.04	83.1	7.8	0.012	6.36	0.92	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	24	6.742	10.03	82.1	7.8	0.012	6.31	0.96	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	25	6.874	10	82.2	7.8	0.012	6.28	0.94	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	26	6.15	9.97	80.4	7.9	0.012	6.24	0.95	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	27	5.869	9.94	79.6	7.9	0.012	6.19	0.95	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	28	5.9	9.9	79.3	7.9	0.012	6.15	0.95	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	29	5.908	9.9	79.3	7.9	0.012	6.5	0.96	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	30	5.766	9.89	79	7.9	0.013	6.16	0.96	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	31	5.805	9.89	79	7.9	0.012	6.17	0.96	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	32	5.822	9.87	78.9	7.9	0.012	6.16	0.95	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	33	5.718	9.88	78.8	7.9	0.013	6.16	0.95	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	34	5.713	9.87	78.7	7.9	0.013	6.16	0.97	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	35	5.699	9.86	78.6	7.9	0.013	6.16	0.96	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	36	5.634	9.86	78.4	7.9	0.013	6.16	0.91	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	37	5.631	9.86	78.5	7.9	0.013	6.11	0.97	16.0	635.3	-
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	38	5.608	9.85	78.4	7.9	0.013	6.17	0.96	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	39	5.582	9.85	78.3	7.9	0.013	6.16	0.94	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	40	5.558	9.85	78.2	8	0.013	6.16	0.93	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	41	5.548	9.84	78.1	7.9	0.013	6.16	0.93	16.0	635.3	--
5/12/2025 12:24	YSI EXO2S	Elliott Allen	Raining, 50, windy	R-IS-7-UVR	42	5.542	9.83	78	8	0.013	6.7	0.93	16.0	635.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	0	14.208	8.99	87.6	9.9	0.013	7.18	0.82	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	1	14.153	9.04	88	9.9	0.013	7.06	0.81	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	2	13.938	9.1	88.2	9.8	0.012	7.03	0.86	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	3	13.846	9.15	88.5	9.8	0.012	7.04	0.85	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	4	13.497	9.23	88.5	9.6	0.012	7.02	0.83	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	5	13.23	9.28	88.5	9.5	0.012	7	0.83	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	6	12.634	9.48	89.2	9.3	0.012	6.98	0.88	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	7	11.402	9.75	89.3	8.9	0.012	6.95	0.95	15.5	637.3	--

Date & Time (Local)	Instrument Used	Survey Recorded By	Weather	SWS Site ID	Depth (m)	Temperature (°C)[1]	Dissolved Oxygen (mg/L)[1]	Dissolved Oxygen (% sat)[1]	Conductivity (uS/cm)[1]	Specific Conductance (mS/cm)[1]	pH (s.u.)[1]	Turbidity (NTU)[1]	Secchi Depth (feet)[1]	Barometric Pressure (mm Hg)[1]	Notes
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	8	11.006	9.9	89.8	8.7	0.012	6.88	0.9	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	9	10.861	9.91	89.6	8.7	0.012	6.86	0.99	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	10	10.707	9.94	89.6	8.7	0.012	6.84	0.95	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	11	10.233	9.99	89	8.5	0.012	6.81	0.94	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	12	9.549	10.08	88.3	8.5	0.012	6.81	0.91	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	13	9.131	10.03	87	8.3	0.012	6.76	0.99	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	14	8.93	9.98	86.2	8.2	0.012	6.73	0.96	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	15	8.66	9.97	85.5	8.2	0.012	6.66	1	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	16	8.438	10.04	85.7	8.3	0.012	6.6	1.01	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	17	8.084	10.06	85.1	8.3	0.012	6.49	0.97	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	18	7.758	10.09	84.7	8.2	0.012	6.47	0.97	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	19	7.333	10.12	84.1	8.3	0.012	6.46	0.97	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	20	7.103	10.09	83.3	8.2	0.012	6.43	0.98	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	21	6.852	10.07	82.6	8.2	0.013	6.39	0.96	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	22	6.73	10.01	81.9	8.2	0.013	6.36	1.01	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	23	6.656	9.99	81.6	8.1	0.013	6.33	0.97	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	24	6.545	10	81.4	8.1	0.013	6.32	1	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	25	6.421	10.03	81.5	8.1	0.013	6.33	1	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	26	6.377	10.04	81.5	8.1	0.013	6.32	0.99	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	27	6.293	10.05	81.3	8.1	0.013	6.33	1.05	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	28	6.037	10.03	80.6	8.1	0.013	6.33	0.98	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	29	5.926	10.01	80.2	8.1	0.013	6.32	0.97	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	30	5.82	10.01	80	8.1	0.013	6.3	1.01	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	31	5.702	9.99	79.7	8	0.013	6.28	1	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	32	5.609	9.96	79.2	8	0.013	6.27	1.02	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	33	5.571	9.92	78.8	8	0.013	6.25	1.01	15.5	637.3	--
5/13/2025 10:37	YSI EXO2S	Michael Schweiker	Cloudy, rain, partial sun	R-IS-6-UVR	34	5.566	9.89	78.6	8	0.013	6.25	1.05	15.5	637.3	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	0	13	9.55	90.6	9.6	0.012	6.92	0.92	17.0	637.7	--

Date & Time (Local)	Instrument Used	Survey Recorded By	Weather	SWS Site ID	Depth (m)	Temperature (°C)[1]	Dissolved Oxygen (mg/L)[1]	Dissolved Oxygen (% sat)[1]	Conductivity (uS/cm)[1]	Specific Conductance (mS/cm)[1]	pH (s.u.)[1]	Turbidity (NTU)[1]	Secchi Depth (feet)[1]	Barometric Pressure (mm Hg)[1]	Notes
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	1	12.887	9.55	90.4	9.5	0.012	6.89	0.87	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	2	12.743	9.59	90.5	9.5	0.012	6.91	0.89	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	3	12.672	9.59	90.4	9.5	0.012	6.88	0.91	17.0	637.7	-
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	4	12.565	9.61	90.3	9.4	0.012	6.86	0.93	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	5	12.513	9.65	90.5	9.4	0.012	6.86	0.9	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	6	11.813	9.88	91.3	9.2	0.012	6.89	0.95	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	7	11.581	9.89	90.9	9.1	0.012	6.87	0.93	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	8	10.707	10.01	90.1	8.8	0.012	6.87	0.97	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	9	10.47	10.07	90.2	8.8	0.012	6.83	0.94	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	10	9.766	10.19	89.8	8.7	0.012	6.8	0.98	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	11	9.449	10.23	89.5	8.5	0.012	6.79	0.93	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	12	8.983	10.29	88.9	8.4	0.012	6.75	0.96	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	13	8.823	10.31	88.8	8.5	0.012	6.74	0.99	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	14	8.367	10.28	87.6	8.2	0.012	6.7	0.96	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	15	7.781	10.34	86.9	8.3	0.012	6.66	0.98	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	16	7.55	10.37	86.6	8.3	0.012	6.65	1	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	17	7.254	10.35	85.8	8.3	0.013	6.64	1.04	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	18	7.05	10.3	85	8.2	0.013	6.6	0.98	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	19	6.549	10.25	83.5	8.2	0.013	6.63	0.98	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	20	6.401	10.22	82.9	8.1	0.013	6.6	1.04	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	21	6.295	10.2	82.5	8.1	0.013	6.58	0.99	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	22	6.175	10.17	82.1	8.1	0.013	6.57	1.05	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	23	6.122	10.17	82	8.1	0.013	6.54	1.01	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	24	6.072	10.17	81.8	8.1	0.013	6.55	0.98	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	25	6.019	10.16	81.6	8	0.013	6.55	0.98	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	26	5.883	10.14	81.2	8	0.013	6.54	1	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	27	5.871	10.13	81.1	8	0.013	6.54	1.01	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	28	5.813	10.12	80.9	8	0.013	6.52	1.04	17.0	637.7	--

Date & Time (Local)	Instrument Used	Survey Recorded By	Weather	SWS Site ID	Depth (m)	Temperature (°C)[1]	Dissolved Oxygen (mg/L)[1]	Dissolved Oxygen (% sat)[1]	Conductivity (uS/cm)[1]	Specific Conductance (mS/cm)[1]	pH (s.u.)[1]	Turbidity (NTU)[1]	Secchi Depth (feet)[1]	Barometric Pressure (mm Hg)[1]	Notes
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	29	5.783	10.11	80.8	8	0.013	6.54	1.03	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	30	5.774	10.1	80.6	8	0.013	6.54	1.06	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	31	5.735	10.09	80.5	8	0.013	6.55	1.02	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	32	5.726	10.08	80.4	8	0.013	6.53	1.05	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	33	5.712	10.09	80.5	8	0.013	6.53	0.98	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	34	5.704	10.1	80.5	8	0.013	6.53	0.99	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	35	5.7	10.1	80.5	8	0.013	6.54	1	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	36	5.669	10.1	80.4	8	0.013	6.53	1.01	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	37	5.639	10.08	80.3	8	0.013	6.52	0.97	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	38	5.612	10.09	80.2	8	0.013	6.49	0.99	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	39	5.592	10.09	80.2	8	0.013	6.45	1	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	40	5.584	10.09	80.2	8	0.013	6.44	1.02	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	41	5.572	10.08	80.1	8	0.013	6.43	1.01	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	42	5.569	10.08	80.1	8	0.013	6.41	1	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	43	5.565	10.08	80.1	8	0.013	6.41	1	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	44	5.564	10.08	80	8	0.013	6.42	0.97	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	45	5.544	10.07	79.9	8	0.013	6.42	0.98	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	46	5.509	10.06	79.8	8	0.013	6.42	0.99	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	47	5.509	10.06	79.8	8	0.013	6.42	0.98	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	48	5.484	10.05	79.7	8	0.013	6.42	0.99	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	49	5.462	10.05	79.6	8	0.013	6.43	1	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	50	5.45	10.04	79.6	8	0.013	6.44	0.97	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	51	5.45	10.04	79.5	8	0.013	6.44	1.25	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	52	5.433	10.04	79.5	8	0.013	6.43	0.99	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	53	5.407	10.03	79.3	8	0.013	6.44	0.98	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	54	5.386	10.02	79.2	8	0.013	6.45	0.96	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	55	5.37	10.01	79.1	8	0.013	6.43	0.99	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	56	5.367	10.01	79.1	8	0.013	6.42	0.99	17.0	637.7	--

Date & Time (Local)	Instrument Used	Survey Recorded By	Weather	SWS Site ID	Depth (m)	Temperature (°C)[1]	Dissolved Oxygen (mg/L)[1]	Dissolved Oxygen (% sat)[1]	Conductivity (uS/cm)[1]	Specific Conductance (mS/cm)[1]	pH (s.u.)[1]	Turbidity (NTU)[1]	Secchi Depth (feet)[1]	Barometric Pressure (mm Hg)[1]	Notes
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	57	5.357	10	79	8	0.013	6.42	1	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	58	5.354	10	79	8	0.013	6.42	0.95	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	59	5.341	10	79	8	0.013	6.43	0.96	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	60	5.314	10	78.9	8	0.013	6.42	0.99	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	61	5.298	9.98	78.8	8	0.013	6.42	0.97	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	62	5.292	9.97	78.6	8	0.013	6.42	0.99	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	63	5.288	9.96	78.6	8	0.013	6.42	0.96	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	64	5.288	9.96	78.6	8	0.013	6.42	1.17	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	65	5.277	9.95	78.5	8	0.013	6.41	0.99	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	66	5.276	9.95	78.5	8	0.013	6.4	0.97	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	67	5.269	9.94	78.4	8	0.013	6.41	0.96	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	68	5.268	9.94	78.4	8	0.013	6.41	0.97	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	69	5.268	9.94	78.4	8	0.013	6.41	0.95	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	70	5.266	9.94	78.4	8	0.013	6.42	0.96	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	71	5.265	9.94	78.3	8	0.013	6.42	0.98	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	72	5.263	9.94	78.3	8	0.013	6.42	0.95	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	73	5.256	9.93	78.3	8	0.013	6.41	0.94	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	74	5.245	9.92	78.2	8	0.013	6.42	0.97	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	75	5.244	9.91	78.1	8	0.013	6.43	0.95	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	76	5.244	9.91	78.1	8	0.013	6.43	0.96	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	77	5.241	9.89	78	8	0.013	6.42	0.97	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	78	5.248	9.9	78	8	0.013	6.43	0.94	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	79	5.247	9.9	78	8	0.013	6.41	0.96	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	80	5.235	9.89	77.9	8	0.013	6.41	0.94	17.0	637.7	--
5/13/2025 11:30	YSI EXO2S	Michael Schweiker	Cloudy, intermittent rain and hail	R-IS-8-UVR	81	5.237	9.88	77.9	8	0.013	6.42	0.92	17.0	637.7	--
5/14/2025 11:43	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-1-LL	0	9.523	9.32	81.7	5.6	0.008	6.97	0.69	26.5	604	--
5/14/2025 11:43	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-1-LL	1	8.946	9.37	81	5.5	0.008	6.85	0.72	26.5	604	--
5/14/2025 11:43	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-1-LL	2	8.832	9.37	80.9	5.5	0.008	6.74	0.75	26.5	604	--
5/14/2025 11:43	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-1-LL	3	8.69	9.41	80.8	5.4	0.008	6.69	0.77	26.5	604	--
5/14/2025 11:43	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-1-LL	4	8.664	9.42	80.8	5.4	0.008	6.67	0.74	26.5	604	--

Date & Time (Local)	Instrument Used	Survey Recorded By	Weather	SWS Site ID	Depth (m)	Temperature (°C)[1]	Dissolved Oxygen (mg/L)[1]	Dissolved Oxygen (% sat)[1]	Conductivity (uS/cm)[1]	Specific Conductance (mS/cm)[1]	pH (s.u.)[1]	Turbidity (NTU)[1]	Secchi Depth (feet)[1]	Barometric Pressure (mm Hg)[1]	Notes
5/14/2025 11:43	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-1-LL	5	8.635	9.43	80.8	5.4	0.008	6.66	0.78	26.5	604	--
5/14/2025 11:43	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-1-LL	6	8.37	9.45	80.5	5.3	0.008	6.63	0.76	26.5	604	--
5/14/2025 11:43	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-1-LL	7	8.281	9.47	80.5	5.4	0.008	6.61	0.79	26.5	604	--
5/14/2025 11:43	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-1-LL	8	8.096	9.49	80.3	5.3	0.008	6.58	0.79	26.5	604	--
5/14/2025 11:43	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-1-LL	9	8.006	9.5	80.2	5.3	0.008	6.58	0.79	26.5	604	--
5/14/2025 11:43	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-1-LL	10	7.907	9.51	80.1	5.3	0.008	6.56	0.79	26.5	604	--
5/14/2025 11:43	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-1-LL	11	7.763	9.52	79.9	5.3	0.008	6.56	0.81	26.5	604	--
5/14/2025 11:43	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-1-LL	12	7.67	9.53	79.8	5.3	0.008	6.52	0.85	26.5	604	--
5/14/2025 11:43	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-1-LL	13	7.646	9.54	79.9	5.3	0.008	6.5	0.82	26.5	604	--
5/14/2025 11:43	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-1-LL	14	7.553	9.54	79.7	5.3	0.008	6.47	0.81	26.5	604	--
5/14/2025 11:43	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-1-LL	15	7.431	9.55	79.5	5.3	0.008	6.43	0.83	26.5	604	--
5/14/2025 11:43	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-1-LL	16	7.292	9.56	79.3	5.3	0.008	6.37	0.89	26.5	604	--
5/14/2025 11:43	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-1-LL	17	7.049	9.56	78.9	5.3	0.008	6.31	0.85	26.5	604	--
5/14/2025 11:43	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-1-LL	18	6.557	9.58	78	5.3	0.008	6.25	0.87	26.5	604	--
5/14/2025 11:43	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-1-LL	19	6.343	9.59	77.7	5.3	0.008	6.17	0.87	26.5	604	--
5/14/2025 11:43	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-1-LL	20	6.248	9.59	77.5	5.2	0.008	6.08	0.85	26.5	604	--
5/14/2025 11:43	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-1-LL	21	6.132	9.58	77.2	5.2	0.008	6.06	0.9	26.5	604	--
5/14/2025 11:43	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-1-LL	22	5.981	9.56	76.8	5.2	0.008	6.02	0.92	26.5	604	--
5/14/2025 11:43	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-1-LL	23	5.947	9.56	76.7	0.008	5.2	6	0.95	26.5	604	--
5/14/2025 11:43	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-1-LL	24	5.935	9.56	76.7	5.2	0.008	5.99	0.92	26.5	604	--
5/14/2025 11:43	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-1-LL	25	5.929	9.56	76.7	5.2	0.008	5.98	0.9	26.5	604	--
5/14/2025 11:43	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-1-LL	26	5.903	9.56	76.6	5.2	0.008	5.96	0.89	26.5	604	--
5/14/2025 12:42	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-3-LL	0	8.718	9.41	80.9	5.5	0.008	6.59	0.44	21.5	604	--
5/14/2025 12:42	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-3-LL	1	7.779	9.54	80.1	5.3	0.008	6.49	0.45	21.5	604	--
5/14/2025 12:42	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-3-LL	2	7.623	9.56	80	5.3	0.008	6.48	0.47	21.5	604	--
5/14/2025 12:42	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-3-LL	3	7.51	9.57	79.9	5.3	0.008	6.48	0.47	21.5	604	--
5/14/2025 12:42	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-3-LL	4	7.467	9.58	79.9	5.3	0.008	6.48	0.49	21.5	604	--
5/14/2025 12:42	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-3-LL	5	7.394	9.6	79.8	5.3	0.008	6.43	0.52	21.5	604	--
5/14/2025 12:42	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-3-LL	6	7.354	9.6	79.8	5.3	0.008	6.47	0.47	21.5	604	--
5/14/2025 12:42	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-3-LL	7	7.353	9.6	79.7	5.3	0.008	6.47	0.48	21.5	604	--
5/14/2025 12:42	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-3-LL	8	7.346	9.6	79.7	5.3	0.008	6.48	0.47	21.5	604	--
5/14/2025 12:42	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-3-LL	9	7.343	9.6	79.7	5.3	0.008	6.46	0.5	21.5	604	--
5/14/2025 12:42	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-3-LL	10	7.333	9.59	79.7	5.3	0.008	6.47	0.49	21.5	604	--
5/14/2025 12:42	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-3-LL	11	7.321	9.59	79.7	5.3	0.008	6.48	0.48	21.5	604	--
5/14/2025 12:42	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-3-LL	12	7.221	9.6	79.5	5.3	0.008	6.47	0.48	21.5	604	--
5/14/2025 12:42	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-3-LL	13	7.187	9.6	79.5	5.3	0.008	6.47	0.5	21.5	604	--
5/14/2025 12:42	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-3-LL	14	7.177	9.6	79.5	5.3	0.008	6.46	0.47	21.5	604	--
5/14/2025 13:10	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-2-LL	0	9.69	9.19	80.8	5.6	0.008	6.19	0.28	20.5	604.1	--
5/14/2025 13:10	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-2-LL	1	8.363	9.41	80.2	5.4	0.008	6.49	0.37	20.5	604.1	--
5/14/2025 13:10	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-2-LL	2	8.3	9.42	80.1	5.4	0.008	6.46	0.38	20.5	604.1	--

Date & Time (Local)	Instrument Used	Survey Recorded By	Weather	SWS Site ID	Depth (m)	Temperature (°C)[1]	Dissolved Oxygen (mg/L)[1]	Dissolved Oxygen (% sat)[1]	Conductivity (uS/cm)[1]	Specific Conductance (mS/cm)[1]	pH (s.u.)[1]	Turbidity (NTU)[1]	Secchi Depth (feet)[1]	Barometric Pressure (mm Hg)[1]	Notes
5/14/2025 13:10	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-2-LL	3	8.269	9.42	80	5.4	0.008	6.46	0.41	20.5	604.1	--
5/14/2025 13:10	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-2-LL	4	8.246	9.42	80	5.4	0.008	6.46	0.4	20.5	604.1	--
5/14/2025 13:10	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-2-LL	5	8.207	9.42	79.9	5.4	0.008	6.47	0.41	20.5	604.1	--
5/14/2025 13:10	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-2-LL	6	8.186	9.41	79.8	5.4	0.008	6.45	0.41	20.5	604.1	--
5/14/2025 13:10	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-2-LL	7	8.148	9.41	79.8	5.4	0.008	6.45	0.42	20.5	604.1	--
5/14/2025 13:10	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-2-LL	8	7.975	9.42	79.5	5.4	0.008	6.46	0.44	20.5	604.1	--
5/14/2025 13:10	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-2-LL	9	7.889	9.44	79.5	5.4	0.008	6.45	0.39	20.5	604.1	--
5/14/2025 13:10	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-2-LL	10	7.841	9.46	79.6	5.4	0.008	6.43	0.43	20.5	604.1	--
5/14/2025 13:10	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-2-LL	11	7.829	9.47	79.6	5.4	0.008	6.45	0.39	20.5	604.1	--
5/14/2025 13:10	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-2-LL	12	7.761	9.48	79.6	5.3	0.008	6.46	0.4	20.5	604.1	--
5/14/2025 13:10	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-2-LL	13	7.44	9.5	79.1	5.3	0.008	6.44	0.44	20.5	604.1	--
5/14/2025 13:10	YSI EXO2S	Elliott Allen	Sunny, 55	R-IS-2-LL	14	7.258	9.53	79	5.3	0.008	6.39	0.57	20.5	604.1	--
5/14/2025 14:48	YSI EXO2S	Michael Schweiker	Partly cloudy, slight breeze	R-IS-4-GC	0	10.277	9.68	86.3	7.3	0.01	6.73	0.58	22.0	631	--
5/14/2025 14:48	YSI EXO2S	Michael Schweiker	Partly cloudy, slight breeze	R-IS-4-GC	1	8.203	10.27	87.2	6.7	0.01	6.61	0.76	22.0	631	--
5/14/2025 14:48	YSI EXO2S	Michael Schweiker	Partly cloudy, slight breeze	R-IS-4-GC	2	7.741	10.32	86.6	6.7	0.01	6.62	0.77	22.0	631	--
5/14/2025 14:48	YSI EXO2S	Michael Schweiker	Partly cloudy, slight breeze	R-IS-4-GC	3	7.563	10.33	86.3	6.7	0.01	6.58	0.78	22.0	631	--
5/14/2025 14:48	YSI EXO2S	Michael Schweiker	Partly cloudy, slight breeze	R-IS-4-GC	4	7.456	10.33	86	6.7	0.01	6.57	0.81	22.0	631	--
5/14/2025 14:48	YSI EXO2S	Michael Schweiker	Partly cloudy, slight breeze	R-IS-4-GC	5	7.37	10.27	85.4	7.9	0.012	6.57	0.8	22.0	631	--
5/14/2025 14:48	YSI EXO2S	Michael Schweiker	Partly cloudy, slight breeze	R-IS-4-GC	6	6.601	10.46	85.4	6.8	0.01	6.6	0.8	22.0	631	--
11/7/2025 11:40	YSI EXO2S	Michael Schweiker	Cloudy	R-IS-4-GC	0	10.113	8.94	79.5	10.6	0.015	6.89	1.15	23.5	633.4	--
11/7/2025 11:40	YSI EXO2S	Michael Schweiker	Cloudy	R-IS-4-GC	1	9.863	8.96	79.1	10.5	0.015	6.8	1.18	23.5	633.4	--
11/7/2025 11:40	YSI EXO2S	Michael Schweiker	Cloudy	R-IS-4-GC	2	9.482	8.92	78.1	10.5	0.015	6.67	1.25	23.5	633.4	--
11/7/2025 11:40	YSI EXO2S	Michael Schweiker	Cloudy	R-IS-4-GC	3	9.336	8.93	77.9	10.4	0.015	6.7	1.29	23.5	633.4	--
11/7/2025 11:40	YSI EXO2S	Michael Schweiker	Cloudy	R-IS-4-GC	4	9.231	8.94	77.7	10.4	0.015	6.46	1.28	23.5	633.4	--
11/7/2025 11:40	YSI EXO2S	Michael Schweiker	Cloudy	R-IS-4-GC	5	9.168	8.91	77.4	10.3	0.015	5.57	1.27	23.5	633.4	--
11/7/2025 11:40	YSI EXO2S	Michael Schweiker	Cloudy	R-IS-4-GC	6	9.078	8.87	76.9	10.2	0.015	5.51	1.28	23.5	633.4	--
11/7/2025 11:40	YSI EXO2S	Michael Schweiker	Cloudy	R-IS-4-GC	7	8.927	8.91	76.9	9.8	0.014	5.49	1.29	23.5	633.4	--
11/10/2025 9:02	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-13-CR	0	8.934	10.68	92.2	9.4	0.014	6.91	0.82	40.5	692.6	--
11/10/2025 9:02	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-13-CR	1	8.92	10.72	92.5	9.4	0.014	6.76	0.84	40.5	692.6	--
11/10/2025 9:02	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-13-CR	2	8.912	92.5	10.72	9.4	0.014	6.43	0.86	40.5	692.6	--
11/10/2025 9:02	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-13-CR	3	8.91	10.7	92.4	9.4	0.014	6.01	0.87	40.5	692.6	--
11/10/2025 9:02	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-13-CR	4	8.909	10.72	92.5	9.4	0.014	5.85	0.86	40.5	692.6	--
11/10/2025 9:02	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-13-CR	5	8.909	10.72	92.5	9.4	0.014	5.8	0	40.5	692.6	--
11/10/2025 11:36	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-12-JR	0	9.217	10.16	88.4	9.1	0.013	7.65	0.77	40.5	655.3	--

Date & Time (Local)	Instrument Used	Survey Recorded By	Weather	SWS Site ID	Depth (m)	Temperature (°C)[1]	Dissolved Oxygen (mg/L)[1]	Dissolved Oxygen (% sat)[1]	Conductivity (uS/cm)[1]	Specific Conductance (mS/cm)[1]	pH (s.u.)[1]	Turbidity (NTU)[1]	Secchi Depth (feet)[1]	Barometric Pressure (mm Hg)[1]	Notes
11/10/2025 11:36	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-12-JR	1	8.85	10.21	88	9	0.013	7.37	0.84	40.5	655.3	--
11/10/2025 11:36	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-12-JR	2	8.801	10.21	87.9	9	0.013	7.34	0.86	40.5	655.3	--
11/10/2025 11:36	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-12-JR	3	8.771	10.23	88	9	0.013	7.27	0.88	40.5	655.3	--
11/10/2025 11:36	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-12-JR	4	8.756	10.23	88	9	0.013	7.24	0.86	40.5	655.3	--
11/10/2025 11:36	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-12-JR	5	8.745	10.2	87.7	9	0.013	7.16	0.86	40.5	655.3	--
11/10/2025 11:36	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-12-JR	6	8.734	10.23	87.9	9	0.013	6.93	0.86	40.5	655.3	--
11/10/2025 11:36	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-12-JR	7	8.731	10.21	87.8	9	0.013	6.74	0.85	40.5	655.3	--
11/10/2025 11:36	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-12-JR	8	8.722	10.21	87.8	9	0.013	6.57	0.86	40.5	655.3	--
11/10/2025 11:36	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-12-JR	9	8.716	10.19	87.5	9	0.013	6.3	0.86	40.5	655.3	--
11/10/2025 11:36	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-12-JR	10	8.714	10.2	87.6	9	0.013	6.05	0.84	40.5	655.3	--
11/10/2025 11:36	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-12-JR	11	8.712	10.22	87.8	9	0.013	6.01	0.85	40.5	655.3	--
11/10/2025 11:36	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-12-JR	12	8.693	10.22	87.8	9	0.013	5.96	0.87	40.5	655.3	--
11/10/2025 11:36	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-12-JR	13	8.684	10.21	87.6	9	0.013	5.94	0.85	40.5	655.3	--
11/10/2025 10:02	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-12-JR	14	8.68	10.2	87.6	9	0.013	5.96	0.9	18.5	655.3	--
11/10/2025 10:02	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-12-JR	15	8.667	10.19	87.4	9	0.013	5.93	0.86	18.5	655.3	--
11/10/2025 10:02	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-12-JR	16	8.646	10.17	87.2	9.1	0.013	5.93	0.86	18.5	655.3	--
11/10/2025 10:02	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-12-JR	17	8.503	10.08	86.2	9.5	0.014	5.98	0.89	18.5	655.3	--
11/10/2025 10:02	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-12-JR	18	8.42	10.03	85.5	9.8	0.014	6.04	0.9	18.5	655.3	--
11/10/2025 10:02	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-12-JR	19	8.372	9.99	85.1	9.9	0.015	6.05	0.94	18.5	655.3	--
11/11/2025 11:25	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-14-SC	0	9.574	10.81	94.8	17.4	0.025	6.4	0.64	20.5	715	--
11/11/2025 11:25	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-14-SC	1	9.574	10.8	94.7	17.4	0.025	6.48	0.061	20.5	715	--
11/11/2025 11:25	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-14-SC	2	9.558	10.8	94.7	17.4	0.025	6.37	0.69	20.5	715	--
11/11/2025 11:25	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-14-SC	3	9.547	10.8	94.7	17.4	0.025	6.38	0.71	20.5	715	--
11/11/2025 11:25	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-14-SC	4	9.553	10.78	94.5	17.4	0.025	6.35	0.69	20.5	715	--
11/11/2025 11:25	YSI EXO2S	Elliott Allen	Sunny, 60	R-IS-14-SC	5	9.542	10.75	94.2	17.5	0.025	6.35	0.59	20.5	715	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	0	11.143	10.18	92.6	19.1	0.026	6.35	0.48	26.2	714.8	-
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	1	11.092	10.18	92.6	19.1	0.026	6.4	0.54	26.2	714.8	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	2	11.048	10.17	92.3	19.1	0.026	6.42	0.53	26.2	714.8	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	3	10.934	10.18	92.2	19.2	0.026	6.46	0.56	26.2	714.8	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	4	10.9	10.17	92	19.3	0.026	6.45	0.5	26.2	714.8	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	5	10.888	10.16	91.9	19.3	0.026	6.46	0.54	26.2	714.8	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	6	10.868	10.17	91.9	19.4	0.027	6.46	0.52	26.2	714.8	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	7	10.855	10.15	91.8	19.4	0.027	6.47	0.52	26.2	714.8	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	8	10.822	10.12	91.4	19.4	0.027	6.47	0.52	26.2	714.8	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	9	10.801	10.12	91.4	19.3	0.027	6.49	0.54	26.2	714.8	--

Date & Time (Local)	Instrument Used	Survey Recorded By	Weather	SWS Site ID	Depth (m)	Temperature (°C)[1]	Dissolved Oxygen (mg/L)[1]	Dissolved Oxygen (% sat)[1]	Conductivity (uS/cm)[1]	Specific Conductance (mS/cm)[1]	pH (s.u.)[1]	Turbidity (NTU)[1]	Secchi Depth (feet)[1]	Barometric Pressure (mm Hg)[1]	Notes
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	10	10.697	10.12	91.1	18.9	0.026	6.47	0.51	26.2	714.8	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	11	10.562	10.04	90.1	18.5	0.026	6.43	0.5	26.2	714.8	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	12	10.16	10.04	89.3	17.9	0.025	6.39	0.47	26.2	714.8	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	13	10.097	10.06	89.3	17.7	0.025	6.36	0.5	26.2	714.8	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	14	10.078	10.04	89.1	17.7	0.025	6.37	0.47	26.2	714.8	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	15	10.065	10.1	89.6	17.7	0.025	6.36	0.5	26.2	714.8	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	16	10.046	10.08	89.4	18.1	0.025	6.36	0.54	26.2	714.8	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	17	10.057	10.16	90.1	19.3	0.027	6.38	0.56	26.2	714.8	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	18	10.046	10.12	89.8	19.8	0.028	6.41	0.55	26.2	714.8	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	19	10.045	10.14	89.9	20.1	0.028	6.41	0.58	26.2	714.8	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	20	10.054	10.12	89.8	20.9	0.029	6.46	0.59	26.2	714.8	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	21	10.044	10.18	90.3	21.2	0.03	6.4	0.66	26.2	714.8	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	22	10.047	10.11	89.6	21.3	0.03	6.5	0.63	26.2	714.8	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	23	10.038	10.15	90	20.9	0.029	6.51	0.64	26.2	714.8	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	24	10.043	10.14	89.9	20.7	0.029	6.51	0.65	26.2	714.8	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	25	10.027	10.18	90.2	20.5	0.029	6.5	0.71	26.2	714.8	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	26	10.009	10.23	90.7	20.2	0.028	6.49	0.63	26.2	714.8	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	27	10.001	10.28	91	20	0.028	6.48	0.67	26.2	714.8	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	28	9.99	10.3	91.2	19.9	0.028	6.49	0.66	26.2	714.8	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	29	9.96	10.3	91.2	19.6	0.028	6.48	0.7	26.2	714.8	-
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	30	9.946	10.32	91.3	19.4	0.027	6.41	0.77	26.2	714.8	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	31	9.937	10.32	91.3	19.3	0.027	6.38	0.76	26.2	714.8	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	32	9.921	10.34	91.5	19.1	0.027	6.35	0.73	26.2	714.8	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	33	9.915	10.31	91.2	19.2	0.027	6.34	0.82	26.2	714.8	--
11/11/2025 11:59	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-15-SC	34	9.916	10.29	91	19.2	0.027	6.34	0.84	26.2	714.8	--
11/11/2025 14:49	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-16-CB	0	10.881	11.22	101.4	20.6	0.028	6.75	0.55	17.9	735.2	--
11/11/2025 14:49	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-16-CB	1	10.858	11.25	101.7	20.7	0.028	6.7	0.6	17.9	735.2	--
11/11/2025 14:49	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-16-CB	2	10.733	11.31	101.9	20.7	0.029	6.69	0.59	17.9	735.2	--

Date & Time (Local)	Instrument Used	Survey Recorded By	Weather	SWS Site ID	Depth (m)	Temperature (°C)[1]	Dissolved Oxygen (mg/L)[1]	Dissolved Oxygen (% sat)[1]	Conductivity (uS/cm)[1]	Specific Conductance (mS/cm)[1]	pH (s.u.)[1]	Turbidity (NTU)[1]	Secchi Depth (feet)[1]	Barometric Pressure (mm Hg)[1]	Notes
11/11/2025 14:49	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-16-CB	3	10.618	11.33	101.8	20.8	0.029	6.68	0.61	17.9	735.2	--
11/11/2025 14:49	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-16-CB	4	10.601	11.34	101.9	20.7	0.029	6.67	0.62	17.9	735.2	--
11/11/2025 14:49	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-16-CB	5	10.581	11.34	101.8	20.7	0.029	6.67	0.58	17.9	735.2	--
11/11/2025 14:49	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-16-CB	6	10.567	11.35	101.9	20.7	0.029	6.67	0.62	17.9	735.2	--
11/11/2025 14:49	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-16-CB	7	10.549	11.35	101.8	20.7	0.029	6.66	0.6	17.9	735.2	--
11/11/2025 14:49	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-16-CB	8	10.554	11.33	101.7	20.6	0.028	6.65	0.66	17.9	735.2	--
11/11/2025 15:13	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-17-CB	0	12.436	10.89	102	21	0.028	6.61	0.55	17.9	734.9	--
11/11/2025 15:13	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-17-CB	1	11.403	11.09	101.5	20.4	0.028	6.58	0.54	17.9	734.9	--
11/11/2025 15:13	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-17-CB	2	10.838	11.1	100.3	19.9	0.027	6.57	0.64	17.9	734.9	--
11/11/2025 15:13	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-17-CB	3	10.688	11.11	100	19.8	0.027	6.58	0.6	17.9	734.9	--
11/11/2025 15:13	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-17-CB	4	10.674	11.11	100	19.8	0.027	6.58	0.61	17.9	734.9	--
11/11/2025 15:13	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-17-CB	5	10.633	11.1	99.8	19.8	0.027	6.58	0.61	17.9	734.9	--
11/11/2025 15:13	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-17-CB	6	10.595	11.06	99.4	19.8	0.027	6.57	0.65	17.9	734.9	--
11/11/2025 15:13	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-17-CB	7	10.578	11.05	99.2	19.7	0.027	6.57	0.59	17.9	734.9	--
11/11/2025 15:13	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-17-CB	8	10.55	11.07	99.4	19.7	0.027	6.56	0.64	17.9	734.9	--
11/11/2025 15:13	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-17-CB	9	10.542	11.08	99.4	19.7	0.027	6.56	0.64	17.9	734.9	--
11/11/2025 15:13	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-17-CB	10	10.539	11.03	99	19.7	0.027	6.58	0.63	17.9	734.9	--
11/11/2025 15:13	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-17-CB	11	10.547	10.98	98.5	19.7	0.027	6.57	0.66	17.9	734.9	--
11/11/2025 15:13	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-17-CB	12	10.467	10.98	98.3	19.5	0.027	6.56	0.65	17.9	734.9	--
11/11/2025 15:13	YSI EXO2S	Cameron McLaughlin	Partial clouds	R-IS-17-CB	13	10.47	10.92	97.8	19.4	0.027	6.57	0.68	17.9	734.9	--
11/12/2025 9:35	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-2-LL	0	10.602	8.52	76.6	6.7	0.009	6.93	0.34	18.5	604.9	--
11/12/2025 9:35	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-2-LL	1	10.607	8.54	76.7	6.7	0.009	6.45	0.41	18.5	604.9	--
11/12/2025 9:35	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-2-LL	2	10.601	8.53	76.6	6.7	0.009	6.43	0.41	18.5	604.9	--
11/12/2025 9:35	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-2-LL	3	10.605	8.52	76.6	6.7	0.009	6.41	0.39	18.5	604.9	--
11/12/2025 9:35	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-2-LL	4	10.6	8.52	76.5	6.7	0.009	6.4	0.42	18.5	604.9	--
11/12/2025 9:35	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-2-LL	5	10.599	8.5	76.4	6.7	0.009	6.4	0.37	18.5	604.9	--
11/12/2025 9:35	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-2-LL	6	10.598	8.48	76.2	6.7	0.009	6.39	0.45	18.5	604.9	--
11/12/2025 9:35	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-2-LL	7	10.595	8.47	76.1	6.7	0.009	6.39	0.44	18.5	604.9	--
11/12/2025 9:35	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-2-LL	8	10.593	8.47	76.1	6.7	0.009	6.37	0.39	18.5	604.9	--
11/12/2025 9:35	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-2-LL	9	10.592	8.49	76.3	6.7	0.009	6.39	0.34	18.5	604.9	--
11/12/2025 9:35	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-2-LL	10	10.591	8.49	76.2	6.7	0.009	6.38	0.38	18.5	604.9	--
11/12/2025 9:35	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-2-LL	11	10.589	8.45	75.9	6.7	0.009	6.39	0.41	18.5	604.9	--

Date & Time (Local)	Instrument Used	Survey Recorded By	Weather	SWS Site ID	Depth (m)	Temperature (°C)[1]	Dissolved Oxygen (mg/L)[1]	Dissolved Oxygen (% sat)[1]	Conductivity (uS/cm)[1]	Specific Conductance (mS/cm)[1]	pH (s.u.)[1]	Turbidity (NTU)[1]	Secchi Depth (feet)[1]	Barometric Pressure (mm Hg)[1]	Notes
11/12/2025 9:35	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-2-LL	12	10.588	8.46	76	6.7	0.009	6.39	0.39	18.5	604.9	--
11/12/2025 10:25	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-3-LL	0	10.559	8.55	76.7	6.7	0.009	6.4	0.42	20.3	604.7	--
11/12/2025 10:25	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-3-LL	1	10.558	8.55	76.8	6.7	0.009	6.37	0.46	20.3	604.7	--
11/12/2025 10:25	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-3-LL	2	10.554	8.55	76.7	6.7	0.009	6.39	0.39	20.3	604.7	--
11/12/2025 10:25	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-3-LL	3	10.548	8.53	76.6	6.7	0.009	6.4	0.35	20.3	604.7	--
11/12/2025 10:25	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-3-LL	4	10.542	8.53	76.6	6.7	0.009	6.46	0.41	20.3	604.7	--
11/12/2025 10:25	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-3-LL	5	10.525	8.52	76.4	6.7	0.009	6.4	0.46	20.3	604.7	--
11/12/2025 10:25	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-3-LL	6	10.517	8.5	76.2	6.7	0.009	6.42	0.38	20.3	604.7	--
11/12/2025 10:25	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-3-LL	7	10.508	8.52	76.4	6.7	0.009	6.43	0.37	20.3	604.7	--
11/12/2025 10:25	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-3-LL	8	10.493	8.52	76.4	6.7	0.009	6.39	0.43	20.3	604.7	--
11/12/2025 10:25	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-3-LL	9	10.481	8.49	76	6.7	0.009	6.41	0.42	20.3	604.7	--
11/12/2025 10:25	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-3-LL	10	10.473	8.47	75.9	6.7	0.009	6.42	0.46	20.3	604.7	--
11/12/2025 10:25	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-3-LL	11	10.467	8.5	76.1	6.7	0.009	6.42	0.43	20.3	604.7	--
11/12/2025 11:06	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-1-LL	0	10.749	8.61	77.6	6.8	0.009	6.28	0.38	19.9	604.6	--
11/12/2025 11:06	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-1-LL	1	10.732	8.58	77.4	6.8	0.009	6.33	0.4	19.9	604.6	--
11/12/2025 11:06	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-1-LL	2	10.729	8.59	77.4	6.8	0.009	6.33	0.42	19.9	604.6	--
11/12/2025 11:06	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-1-LL	3	10.719	8.6	77.5	6.8	0.009	6.34	0.38	19.9	604.6	--
11/12/2025 11:06	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-1-LL	4	10.695	8.59	77.3	6.8	0.009	6.38	0.41	19.9	604.6	--
11/12/2025 11:06	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-1-LL	5	10.688	8.58	77.2	6.8	0.009	6.38	0.46	19.9	604.6	--
11/12/2025 11:06	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-1-LL	6	10.668	8.56	77	6.8	0.009	6.39	0.42	19.9	604.6	--
11/12/2025 11:06	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-1-LL	7	10.649	8.54	76.8	6.8	0.009	6.39	0.4	19.9	604.6	--
11/12/2025 11:06	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-1-LL	8	10.62	8.53	76.7	6.8	0.009	6.37	0.49	19.9	604.6	--
11/12/2025 11:06	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-1-LL	9	10.61	8.53	76.6	6.8	0.009	6.38	0.42	19.9	604.6	--
11/12/2025 11:06	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-1-LL	10	10.592	8.5	76.3	6.8	0.009	6.38	0.43	19.9	604.6	--
11/12/2025 11:06	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-1-LL	11	10.589	8.51	76.5	6.8	0.009	6.38	0.44	19.9	604.6	--
11/12/2025 11:06	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-1-LL	12	10.585	8.53	76.6	6.8	0.009	6.38	0.46	19.9	604.6	--
11/12/2025 11:06	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-1-LL	13	10.578	8.5	76.3	6.8	0.009	6.36	0.41	19.9	604.6	--
11/12/2025 11:06	YSI EXO2S	Elliott Allen	Sunny, 60, windy	R-IS-1-LL	14	10.512	8.35	74.8	6.8	0.009	6.32	0.81	19.9	604.6	--
11/12/2025 13:23	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-9-IHR	0	11.61	8.4	77.2	9.6	0.013	6.39	0.41	20.9	626.5	--
11/12/2025 13:23	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-9-IHR	1	11.607	8.38	77.1	9.6	0.013	6.38	0.43	20.9	626.5	--
11/12/2025 13:23	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-9-IHR	2	11.6	8.39	77.1	9.6	0.013	6.37	0.43	20.9	626.5	--
11/12/2025 13:23	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-9-IHR	3	11.6	8.38	77.1	9.6	0.013	6.37	0.44	20.9	626.5	--
11/12/2025 13:23	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-9-IHR	4	11.594	8.37	77	9.6	0.013	6.36	0.44	20.9	626.5	--
11/12/2025 13:23	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-9-IHR	5	11.585	8.36	76.8	9.6	0.013	6.36	0.45	20.9	626.5	--
11/12/2025 13:23	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-9-IHR	6	11.578	8.35	76.7	9.6	0.013	6.34	0.45	20.9	626.5	--
11/12/2025 13:23	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15mph)	R-IS-9-IHR	7	11.571	8.35	76.7	9.6	0.013	6.33	0.44	20.9	626.5	--

Date & Time (Local)	Instrument Used	Survey Recorded By	Weather	SWS Site ID	Depth (m)	Temperature (°C)[1]	Dissolved Oxygen (mg/L)[1]	Dissolved Oxygen (% sat)[1]	Conductivity (uS/cm)[1]	Specific Conductance (mS/cm)[1]	pH (s.u.)[1]	Turbidity (NTU)[1]	Secchi Depth (feet)[1]	Barometric Pressure (mm Hg)[1]	Notes
11/12/2025 13:23	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-9-IHR	8	11.573	8.32	76.5	9.6	0.013	6.36	0.46	20.9	626.5	--
11/12/2025 13:23	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-9-IHR	9	11.565	8.33	76.5	9.6	0.013	6.35	0.39	20.9	626.5	--
11/12/2025 13:23	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-9-IHR	10	11.561	8.33	76.5	9.6	0.013	6.36	0.38	20.9	626.5	--
11/12/2025 13:23	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15mph)	R-IS-9-IHR	11	11.525	8.31	76.3	9.6	0.013	6.33	0.47	20.9	626.5	--
11/12/2025 13:23	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-9-IHR	12	11.467	8.23	75.4	9.6	0.013	6.33	0.4	20.9	626.5	--
11/12/2025 13:23	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-9-IHR	13	11.441	8.23	75.3	9.6	0.013	6.32	0.4	20.9	626.5	--
11/12/2025 13:51	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15mph)	R-IS-10-IHR	0	11.818	8.4	77.6	9.6	0.013	6.28	0.37	24.5	626.2	--
11/12/2025 13:51	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-10-IHR	1	11.814	8.36	77.2	9.6	0.013	6.29	0.42	24.5	626.2	--
11/12/2025 13:51	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-10-IHR	2	11.811	8.35	77.2	9.6	0.013	6.36	0.33	24.5	626.2	--
11/12/2025 13:51	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-10-IHR	3	11.811	8.35	77.1	9.6	0.013	6.38	0.39	24.5	626.2	--
11/12/2025 13:51	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-10-IHR	4	11.803	8.33	76.9	9.6	0.013	6.36	0.42	24.5	626.2	--
11/12/2025 13:51	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-10-IHR	5	11.804	8.31	76.8	9.6	0.013	6.36	0.33	24.5	626.2	--
11/12/2025 13:51	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-10-IHR	6	11.794	8.3	76.6	9.6	0.013	6.35	0.4	24.5	626.2	--
11/12/2025 13:51	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-10-IHR	7	11.792	8.3	76.7	9.6	0.013	6.35	0.36	24.5	626.2	--
11/12/2025 13:51	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-10-IHR	8	11.76	8.3	76.6	9.6	0.013	6.36	0.39	24.5	626.2	--
11/12/2025 13:51	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-10-IHR	9	11.719	8.3	76.5	9.6	0.013	6.34	0.32	24.5	626.2	--
11/12/2025 13:51	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-10-IHR	10	11.686	8.19	75.4	9.6	0.013	6.35	0.37	24.5	626.2	--
11/12/2025 13:51	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-10-IHR	11	11.63	8.11	74.7	9.6	0.013	6.3	0.42	24.5	626.2	--
11/12/2025 13:51	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-10-IHR	12	11.565	8.03	73.7	9.6	0.013	6.28	0.44	24.5	626.2	--
11/12/2025 14:18	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-11-IHR	0	11.957	8.4	77.9	9.6	0.013	6.31	0.36	21.1	625.9	--
11/12/2025 14:18	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-11-IHR	1	11.953	8.39	77.8	9.6	0.013	6.29	0.39	21.1	625.9	--
11/12/2025 14:18	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-11-IHR	2	11.932	8.36	77.4	9.6	0.013	6.28	0.39	21.1	625.9	--
11/12/2025 14:18	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-11-IHR	3	11.89	8.33	77.1	9.6	0.013	6.28	0.44	21.1	625.9	--
11/12/2025 14:18	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-11-IHR	4	11.879	8.31	76.9	9.6	0.013	6.35	0.39	21.1	625.9	--
11/12/2025 14:18	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-11-IHR	5	11.874	8.29	76.7	9.6	0.013	6.33	0.41	21.1	625.9	--
11/12/2025 14:18	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-11-IHR	6	11.87	8.28	76.6	9.6	0.013	6.32	0.42	21.1	625.9	--
11/12/2025 14:18	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-11-IHR	7	11.856	8.22	76	9.6	0.013	6.31	0.37	21.1	625.9	--
11/12/2025 14:18	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-11-IHR	8	11.845	8.21	75.9	9.6	0.013	6.3	0.4	21.1	625.9	--

Date & Time (Local)	Instrument Used	Survey Recorded By	Weather	SWS Site ID	Depth (m)	Temperature (°C)[1]	Dissolved Oxygen (mg/L)[1]	Dissolved Oxygen (% sat)[1]	Conductivity (uS/cm)[1]	Specific Conductance (mS/cm)[1]	pH (s.u.)[1]	Turbidity (NTU)[1]	Secchi Depth (feet)[1]	Barometric Pressure (mm Hg)[1]	Notes
11/12/2025 14:18	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-11-IHR	9	11.818	8.14	75.2	9.6	0.013	6.29	0.44	21.1	625.9	--
11/12/2025 14:18	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-11-IHR	10	11.818	8.12	75	9.6	0.013	6.31	0.39	21.1	625.9	--
11/12/2025 14:18	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-11-IHR	11	11.79	8.05	74.3	9.6	0.013	6.28	0.39	21.1	625.9	--
11/12/2025 14:18	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-11-IHR	12	11.553	7.5	68.9	9.7	0.013	6.22	0.41	21.1	625.9	--
11/12/2025 14:18	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-11-IHR	13	11.354	7.14	65.3	9.8	0.013	6.14	0.48	21.1	625.9	--
11/12/2025 14:18	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-11-IHR	14	10.462	5.61	50.3	9.9	0.014	5.97	0.42	21.1	625.9	--
11/12/2025 14:18	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-11-IHR	15	9.948	4.43	39.2	9.8	0.014	5.84	0.56	21.1	625.9	--
11/12/2025 14:18	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-11-IHR	16	8.867	3.92	33.8	9.5	0.014	5.77	0.47	21.1	625.9	--
11/12/2025 14:18	YSI EXO2S	Cameron McLaughlin	Partial clouds, windy (~15 mph)	R-IS-11-IHR	17	7.841	3.86	32.4	9.3	0.014	5.64	0.48	21.1	625.9	--
11/19/2025 9:15	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-6-UVR	0	13.32	8.17	78.1	10.2	0.013	6.64	0.65	14.5	638.9	--
11/19/2025 9:15	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-6-UVR	1	13.336	8.13	77.8	10.2	0.013	6.46	0.68	14.5	638.9	--
11/19/2025 9:15	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-6-UVR	2	13.346	8.11	77.6	10.2	0.013	6.39	0.67	14.5	638.9	--
11/19/2025 9:15	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-6-UVR	3	13.347	8.1	77.5	10.2	0.013	6.33	0.65	14.5	638.9	--
11/19/2025 9:15	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-6-UVR	4	13.349	8.1	77.4	10.2	0.013	6.36	0.6	14.5	638.9	--
11/19/2025 9:15	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-6-UVR	5	13.348	8.09	77.3	10.2	0.013	6.29	0.62	14.5	638.9	--
11/19/2025 9:15	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-6-UVR	6	13.349	8.07	77.2	10.2	0.013	6.29	0.64	14.5	638.9	--
11/19/2025 9:15	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-6-UVR	7	13.348	8.07	77.2	10.2	0.013	6.24	0.64	14.5	638.9	--
11/19/2025 9:15	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-6-UVR	8	13.349	8.06	77.1	10.2	0.013	6.27	0.61	14.5	638.9	--
11/19/2025 9:15	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-6-UVR	9	13.348	8.07	77.2	10.2	0.013	6.23	0.66	14.5	638.9	--
11/19/2025 9:15	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-6-UVR	10	13.348	8.07	77.1	10.2	0.013	6.2	0.65	14.5	638.9	--
11/19/2025 9:15	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-6-UVR	11	13.348	8.1	77.4	10.2	0.013	6.19	0.61	14.5	638.9	--
11/19/2025 9:15	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-6-UVR	12	13.346	8.04	76.9	10.2	0.013	6.21	0.65	14.5	638.9	--
11/19/2025 9:15	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-6-UVR	13	13.349	8.02	76.7	10.2	0.013	6.16	0.64	14.5	638.9	--
11/19/2025 9:15	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-6-UVR	14	13.347	8.08	77.3	10.2	0.013	6.17	0.67	14.5	638.9	--
11/19/2025 9:15	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-6-UVR	15	13.348	8.11	77.6	10.2	0.013	6.19	0.73	14.5	638.9	-
11/19/2025 9:15	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-6-UVR	16	13.347	7.98	76.3	10.2	0.013	6.17	0.62	14.5	638.9	--
11/19/2025 9:15	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-6-UVR	17	13.348	8.08	77.3	10.2	0.013	6.19	0.64	14.5	638.9	--
11/19/2025 9:15	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-6-UVR	18	13.35	8.01	76.6	10.2	0.013	6.16	0.63	14.5	638.9	--
11/19/2025 9:15	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-6-UVR	19	13.355	8.02	76.7	10.2	0.013	6.19	0.62	14.5	638.9	--
11/19/2025 9:15	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-6-UVR	20	13.35	8.05	77	10.2	0.013	6.17	0.65	14.5	638.9	--
11/19/2025 9:15	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-6-UVR	21	13.351	7.99	76.4	10.2	0.013	6.17	0.62	14.5	638.9	--
11/19/2025 9:15	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-6-UVR	22	13.352	8.07	77.2	10.2	0.013	6.18	0.67	14.5	638.9	--
11/19/2025 9:15	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-6-UVR	23	13.349	8.06	77	10.2	0.013	6.19	0.6	14.5	638.9	--
11/19/2025 9:15	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-6-UVR	24	13.345	8.05	77	10.2	0.013	6.21	0.6	14.5	638.9	--
11/19/2025 9:15	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-6-UVR	25	13.313	8.05	77	10.2	0.013	6.22	0.72	14.5	638.9	--
11/19/2025 9:15	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-6-UVR	26	13.135	8.09	77	10.2	0.013	6.18	0.7	14.5	638.9	--

Date & Time (Local)	Instrument Used	Survey Recorded By	Weather	SWS Site ID	Depth (m)	Temperature (°C)[1]	Dissolved Oxygen (mg/L)[1]	Dissolved Oxygen (% sat)[1]	Conductivity (uS/cm)[1]	Specific Conductance (mS/cm)[1]	pH (s.u.)[1]	Turbidity (NTU)[1]	Secchi Depth (feet)[1]	Barometric Pressure (mm Hg)[1]	Notes
11/19/2025 9:15	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-6-UVR	27	13.017	8.11	77	10.2	0.013	6.22	0.68	14.5	638.9	--
11/19/2025 11:08	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-5-UVR	0	13.032	8.27	78.6	10.1	0.013	6.21	0.66	17.5	638.8	--
11/19/2025 11:08	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-5-UVR	1	13.066	8.28	78.7	10.2	0.013	6.18	0.66	17.5	638.8	--
11/19/2025 11:08	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-5-UVR	2	13.065	8.28	78.7	10.2	0.013	6.18	0.67	17.5	638.8	--
11/19/2025 11:08	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-5-UVR	3	13.02	8.26	78.5	10.2	0.013	6.16	0.69	17.5	638.8	-
11/19/2025 11:08	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-5-UVR	4	13.003	8.26	78.3	10.2	0.013	6.16	0.63	17.5	638.8	--
11/19/2025 11:08	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-5-UVR	5	12.899	8.25	78.1	10.2	0.013	6.17	0.69	17.5	638.8	--
11/19/2025 11:08	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-5-UVR	6	12.875	8.28	78.4	10.2	0.013	6.18	0.66	17.5	638.8	--
11/19/2025 11:08	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-5-UVR	7	12.846	8.29	78.4	10.2	0.013	6.15	0.67	17.5	638.8	--
11/19/2025 11:08	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-5-UVR	8	12.715	8.26	77.9	10.2	0.013	6.15	0.67	17.5	638.8	--
11/19/2025 11:08	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-5-UVR	9	12.458	8.26	77.5	10.3	0.014	6.15	0.66	17.5	638.8	--
11/19/2025 11:08	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-5-UVR	10	12.331	8.32	77.8	10.5	0.014	6.16	0.67	17.5	638.8	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	0	13.299	8.21	78.4	10.2	0.013	6.3	0.74	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	1	13.325	8.17	78.1	10.2	0.013	6.3	0.66	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	2	13.324	8.14	77.8	10.2	0.013	6.29	0.67	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	3	13.329	8.15	77.9	10.2	0.013	6.27	0.66	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	4	13.326	8.13	77.8	10.2	0.013	6.3	0.64	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	5	13.332	8.15	77.9	10.2	0.013	6.29	0.68	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	6	13.331	8.16	78	10.2	0.013	6.3	0.68	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	7	13.329	8.14	77.8	10.2	0.013	6.27	0.66	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	8	13.337	8.15	78	10.2	0.013	6.31	0.69	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	9	13.332	8.09	77.3	10.2	0.013	6.28	0.72	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	10	13.332	8.06	77.1	10.2	0.013	6.3	0.68	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	11	13.333	8.07	77.1	10.2	0.013	6.3	0.61	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	12	13.331	8.16	78	10.2	0.013	6.29	0.69	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	13	13.33	8.04	76.9	10.2	0.013	6.28	0.65	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	14	13.327	8.12	77.6	10.2	0.013	6.27	0.65	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	15	13.324	8.12	77.7	10.2	0.013	6.3	0.67	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	16	13.311	8.01	76.6	10.2	0.013	6.28	0.65	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	17	13.304	8.15	77.8	10.2	0.013	6.31	0.65	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	18	13.301	8	76.4	10.2	0.013	6.31	0.61	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	19	13.29	8.12	77.5	10.2	0.013	6.31	0.67	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	20	13.274	8.1	77.4	10.2	0.013	6.32	0.66	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	21	13.251	8.11	77.4	10.2	0.013	6.32	0.65	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	22	13.239	8.11	77.4	10.2	0.013	6.35	0.67	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	23	13.233	8.1	77.3	10.2	0.013	6.36	0.65	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	24	13.23	8.1	77.3	10.2	0.013	6.34	0.66	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	25	13.202	8.08	77	10.2	0.013	6.33	0.68	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	26	13.181	8.08	77	10.2	0.013	6.33	0.71	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	27	13.144	8.08	76.9	10.2	0.013	6.33	0.67	14.0	638.7	--

Date & Time (Local)	Instrument Used	Survey Recorded By	Weather	SWS Site ID	Depth (m)	Temperature (°C)[1]	Dissolved Oxygen (mg/L)[1]	Dissolved Oxygen (% sat)[1]	Conductivity (uS/cm)[1]	Specific Conductance (mS/cm)[1]	pH (s.u.)[1]	Turbidity (NTU)[1]	Secchi Depth (feet)[1]	Barometric Pressure (mm Hg)[1]	Notes
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	28	13.116	8.1	77	10.2	0.013	6.3	0.63	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	29	13.012	8.13	77.2	10.2	0.013	6.33	0.67	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	30	12.888	8.16	77.3	10.2	0.013	6.34	0.65	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	31	12.78	8.19	77.3	10.2	0.013	6.36	0.66	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	32	12.676	8.19	77.1	10.2	0.013	6.33	0.67	14.0	638.7	--
11/19/2025 11:36	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-7-UVR	33	12.592	8.2	77.1	10.1	0.013	6.34	0.77	14.0	638.7	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	0	13.309	7.99	76.4	10.2	0.013	6.31	0.66	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	1	13.319	7.97	76.2	10.2	0.013	6.27	0.65	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	2	13.322	7.96	76.1	10.2	0.013	6.25	0.66	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	3	13.325	7.97	76.2	10.2	0.013	6.26	0.63	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	4	13.325	7.96	76.1	10.2	0.013	6.24	0.63	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	5	13.32	7.93	75.8	10.2	0.013	6.22	0.64	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	6	13.316	7.89	75.5	10.2	0.013	6.22	0.63	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	7	13.324	7.92	75.7	10.2	0.013	6.2	0.63	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	8	13.325	7.94	75.9	10.2	0.013	6.25	0.63	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	9	13.325	7.90	75.6	10.2	0.013	6.23	0.65	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	10	13.325	7.86	75.1	10.2	0.013	6.22	0.67	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	11	13.326	7.88	75.4	10.2	0.013	6.22	0.66	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	12	13.326	7.89	75.5	10.2	0.013	6.18	0.65	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	13	13.326	7.86	75.1	10.2	0.013	6.19	0.65	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	14	13.325	7.92	75.7	10.2	0.013	6.23	0.65	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	15	13.324	7.87	75.2	10.2	0.013	6.21	0.65	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	16	13.324	7.85	75	10.2	0.013	6.2	0.6	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	17	13.324	7.85	75	10.2	0.013	6.19	0.65	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	18	13.32	7.91	75.6	10.2	0.013	6.19	0.65	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	19	13.32	7.88	75.3	10.2	0.013	6.27	0.61	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	20	13.318	7.88	75.3	10.2	0.013	6.16	0.67	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	21	13.317	7.87	75.2	10.2	0.013	6.14	0.66	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	22	13.315	7.86	75.1	10.2	0.013	6.16	0.64	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	23	13.307	7.85	75	10.2	0.013	6.16	0.62	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	24	13.308	7.85	75	10.2	0.013	6.16	0.65	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	25	13.303	7.84	74.9	10.2	0.013	6.16	0.66	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	26	13.287	7.84	74.9	10.2	0.013	6.21	0.65	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	27	13.277	7.86	75	10.2	0.013	6.23	0.67	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	28	13.104	7.81	74.3	10.2	0.013	6.19	0.67	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	29	13.041	7.70	73.1	10.2	0.013	6.17	0.64	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	30	13.005	7.68	72.9	10.2	0.013	6.14	0.64	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	31	12.872	7.72	73.1	10.2	0.013	6.12	0.69	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	32	12.822	7.76	73.4	10.1	0.013	6.11	0.67	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	33	12.715	7.61	71.8	10.1	0.013	6.05	0.64	17.0	638.6	--

Date & Time (Local)	Instrument Used	Survey Recorded By	Weather	SWS Site ID	Depth (m)	Temperature (°C)[1]	Dissolved Oxygen (mg/L)[1]	Dissolved Oxygen (% sat)[1]	Conductivity (uS/cm)[1]	Specific Conductance (mS/cm)[1]	pH (s.u.)[1]	Turbidity (NTU)[1]	Secchi Depth (feet)[1]	Barometric Pressure (mm Hg)[1]	Notes
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	34	12.655	7.41	69.8	10.1	0.013	6.03	0.63	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	35	12.575	7.50	70.5	10.1	0.013	6.06	0.64	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	36	12.484	7.46	70	10	0.013	6.04	0.66	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	37	12.386	7.44	69.6	10	0.013	6.04	0.6	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	38	12.296	7.35	68.6	10	0.013	6.01	0.61	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	39	12.177	7.11	66.3	9.9	0.013	5.94	0.53	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	40	12.128	7.02	65.3	9.9	0.013	5.93	0.52	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	41	11.941	6.88	63.8	9.8	0.013	5.89	0.48	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	42	11.525	6.75	61.9	9.7	0.013	5.86	0.42	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	43	11.320	6.70	61.2	9.8	0.013	5.87	0.46	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	44	11.041	6.74	61.2	9.6	0.013	5.87	0.41	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	45	10.889	6.80	61.5	9.6	0.013	5.88	0.42	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	46	10.655	6.88	61.9	9.5	0.013	5.89	0.43	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	47	10.549	6.90	61.9	9.5	0.013	5.87	0.44	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	48	10.511	6.90	61.9	9.5	0.013	5.87	0.44	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	49	10.330	6.90	61.6	9.4	0.013	5.88	0.4	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	50	10.257	6.89	61.4	9.4	0.013	5.88	0.42	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	51	10.102	6.91	61.4	9.4	0.013	5.9	0.44	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	52	9.996	6.93	61.4	9.4	0.013	5.9	0.45	17.0	638.6	--
11/19/2025 12:33	YSI EXO2	Elliott Allen	Cloudy, calm	R-IS-8-UVR	53	9.902	6.93	61.3	9.4	0.013	5.88	0.47	17.0	638.6	--

Notes: -- no additional notes
°C = degree Celsius
% sat = percent saturation
uS/cm = microsiemen per centimeter
m = meter
mg/L = milligram per liter
mm Hg = millimeter of mercury
mS/cm = millisiemen per centimeter
NTU = nephelometric turbidity unit
s.u. = standard unit
YSI = Yellow Springs Instruments

[1] Data were transcribed from the YSI EXO2 or EXO2S to a tablet, including additional digits beyond the parameter method detection limit.

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APPENDIX D

In Situ Vertical Profile Data for Upper American River Project Reservoir Sites

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Table D-1. Vertical Profile Data for Upper American River Project Reservoir Sites—Spring (May) *In Situ* Surveys.

Site ID	2025 Sample Date	Sample Depth (m)	Water Temperature (°C)	pH (s.u.)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (% sat)	Conductivity (uS/cm)	Turbidity (NTU)	Secchi Disk (m)
Loon Lake Reservoir									
R-IS-1-LL	5/14/2025	0	9.5	7.0	9.3	82	6	0.7	8.1
R-IS-1-LL	5/14/2025	1	8.9	6.9	9.4	81	6	0.7	8.1
R-IS-1-LL	5/14/2025	2	8.8	6.7	9.4	81	6	0.8	8.1
R-IS-1-LL	5/14/2025	3	8.7	6.7	9.4	81	5	0.8	8.1
R-IS-1-LL	5/14/2025	4	8.7	6.7	9.4	81	5	0.7	8.1
R-IS-1-LL	5/14/2025	5	8.6	6.7	9.4	81	5	0.8	8.1
R-IS-1-LL	5/14/2025	6	8.4	6.6	9.5	81	5	0.8	8.1
R-IS-1-LL	5/14/2025	7	8.3	6.6	9.5	81	5	0.8	8.1
R-IS-1-LL	5/14/2025	8	8.1	6.6	9.5	80	5	0.8	8.1
R-IS-1-LL	5/14/2025	9	8.0	6.6	9.5	80	5	0.8	8.1
R-IS-1-LL	5/14/2025	10	7.9	6.6	9.5	80	5	0.8	8.1
R-IS-1-LL	5/14/2025	11	7.8	6.6	9.5	80	5	0.8	8.1
R-IS-1-LL	5/14/2025	12	7.7	6.5	9.5	80	5	0.9	8.1
R-IS-1-LL	5/14/2025	13	7.6	6.5	9.5	80	5	0.8	8.1
R-IS-1-LL	5/14/2025	14	7.6	6.5	9.5	80	5	0.8	8.1
R-IS-1-LL	5/14/2025	15	7.4	6.4	9.6	80	5	0.8	8.1
R-IS-1-LL	5/14/2025	16	7.3	6.4	9.6	79	5	0.9	8.1
R-IS-1-LL	5/14/2025	17	7.0	6.3	9.6	79	5	0.9	8.1
R-IS-1-LL	5/14/2025	18	6.6	6.3	9.6	78	5	0.9	8.1
R-IS-1-LL	5/14/2025	19	6.3	6.2	9.6	78	5	0.9	8.1
R-IS-1-LL	5/14/2025	20	6.2	6.1	9.6	78	5	0.9	8.1
R-IS-1-LL	5/14/2025	21	6.1	6.1	9.6	77	5	0.9	8.1
R-IS-1-LL	5/14/2025	22	6.0	6.0	9.6	77	5	0.9	8.1
R-IS-1-LL	5/14/2025	23	5.9	6.0	9.6	77	0	1.0	8.1
R-IS-1-LL	5/14/2025	24	5.9	6.0	9.6	77	5	0.9	8.1
R-IS-1-LL	5/14/2025	25	5.9	6.0	9.6	77	5	0.9	8.1
R-IS-1-LL	5/14/2025	26	5.9	6.0	9.6	77	5	0.9	8.1
R-IS-2-LL	5/14/2025	0	9.7	6.2	9.2	81	6	0.3	6.2
R-IS-2-LL	5/14/2025	1	8.4	6.5	9.4	80	5	0.4	6.2
R-IS-2-LL	5/14/2025	2	8.3	6.5	9.4	80	5	0.4	6.2
R-IS-2-LL	5/14/2025	3	8.3	6.5	9.4	80	5	0.4	6.2
R-IS-2-LL	5/14/2025	4	8.2	6.5	9.4	80	5	0.4	6.2

Site ID	2025 Sample Date	Sample Depth (m)	Water Temperature (°C)	pH (s.u.)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (% sat)	Conductivity (uS/cm)	Turbidity (NTU)	Secchi Disk (m)
R-IS-2-LL	5/14/2025	5	8.2	6.5	9.4	80	5	0.4	6.2
R-IS-2-LL	5/14/2025	6	8.2	6.5	9.4	80	5	0.4	6.2
R-IS-2-LL	5/14/2025	7	8.1	6.5	9.4	80	5	0.4	6.2
R-IS-2-LL	5/14/2025	8	8.0	6.5	9.4	80	5	0.4	6.2
R-IS-2-LL	5/14/2025	9	7.9	6.5	9.4	80	5	0.4	6.2
R-IS-2-LL	5/14/2025	10	7.8	6.4	9.5	80	5	0.4	6.2
R-IS-2-LL	5/14/2025	11	7.8	6.5	9.5	80	5	0.4	6.2
R-IS-2-LL	5/14/2025	12	7.8	6.5	9.5	80	5	0.4	6.2
R-IS-2-LL	5/14/2025	13	7.4	6.4	9.5	79	5	0.4	6.2
R-IS-2-LL	5/14/2025	14	7.3	6.4	9.5	79	5	0.6	6.2
R-IS-3-LL	5/14/2025	0	8.7	6.6	9.4	81	6	0.4	6.6
R-IS-3-LL	5/14/2025	1	7.8	6.5	9.5	80	5	0.5	6.6
R-IS-3-LL	5/14/2025	2	7.6	6.5	9.6	80	5	0.5	6.6
R-IS-3-LL	5/14/2025	3	7.5	6.5	9.6	80	5	0.5	6.6
R-IS-3-LL	5/14/2025	4	7.5	6.5	9.6	80	5	0.5	6.6
R-IS-3-LL	5/14/2025	5	7.4	6.4	9.6	80	5	0.5	6.6
R-IS-3-LL	5/14/2025	6	7.4	6.5	9.6	80	5	0.5	6.6
R-IS-3-LL	5/14/2025	7	7.4	6.5	9.6	80	5	0.5	6.6
R-IS-3-LL	5/14/2025	8	7.3	6.5	9.6	80	5	0.5	6.6
R-IS-3-LL	5/14/2025	9	7.3	6.5	9.6	80	5	0.5	6.6
R-IS-3-LL	5/14/2025	10	7.3	6.5	9.6	80	5	0.5	6.6
R-IS-3-LL	5/14/2025	11	7.3	6.5	9.6	80	5	0.5	6.6
R-IS-3-LL	5/14/2025	12	7.2	6.5	9.6	80	5	0.5	6.6
R-IS-3-LL	5/14/2025	13	7.2	6.5	9.6	80	5	0.5	6.6
R-IS-3-LL	5/14/2025	14	7.2	6.5	9.6	80	5	0.5	6.6
Gerle Creek Reservoir									
R-IS-4-GC	5/14/2025	0	10.3	6.7	9.7	86	7	0.6	6.7
R-IS-4-GC	5/14/2025	1	8.2	6.6	10.3	87	7	0.8	6.7
R-IS-4-GC	5/14/2025	2	7.7	6.6	10.3	87	7	0.8	6.7
R-IS-4-GC	5/14/2025	3	7.6	6.6	10.3	86	7	0.8	6.7
R-IS-4-GC	5/14/2025	4	7.5	6.6	10.3	86	7	0.8	6.7
R-IS-4-GC	5/14/2025	5	7.4	6.6	10.3	85	8	0.8	6.7
R-IS-4-GC	5/14/2025	6	6.6	6.6	10.5	85	7	0.8	6.7

Site ID	2025 Sample Date	Sample Depth (m)	Water Temperature (°C)	pH (s.u.)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (% sat)	Conductivity (uS/cm)	Turbidity (NTU)	Secchi Disk (m)
Union Valley Reservoir									
R-IS-5-UVR	5/12/2025	0	13.9	7.2	9.1	88	10	0.7	4.8
R-IS-5-UVR	5/12/2025	1	13.9	6.9	9.1	88	10	0.7	4.8
R-IS-5-UVR	5/12/2025	2	13.9	6.8	9.1	88	10	0.8	4.8
R-IS-5-UVR	5/12/2025	3	13.8	6.8	9.1	88	10	0.7	4.8
R-IS-5-UVR	5/12/2025	4	13.8	6.7	9.1	88	10	0.8	4.8
R-IS-5-UVR	5/12/2025	5	13.8	6.7	9.1	88	10	0.8	4.8
R-IS-5-UVR	5/12/2025	6	13.3	6.6	9.1	87	9	0.7	4.8
R-IS-5-UVR	5/12/2025	7	11.1	6.6	9.6	87	8	0.8	4.8
R-IS-5-UVR	5/12/2025	8	10.4	6.3	9.7	87	8	0.8	4.8
R-IS-5-UVR	5/12/2025	9	10.2	6.2	9.8	87	8	0.8	4.8
R-IS-5-UVR	5/12/2025	10	10.1	6.2	9.8	87	8	0.9	4.8
R-IS-5-UVR	5/12/2025	11	9.8	6.2	9.8	86	8	0.9	4.8
R-IS-5-UVR	5/12/2025	12	8.1	6.2	9.9	84	7	0.9	4.8
R-IS-5-UVR	5/12/2025	13	7.1	6.1	10.0	83	8	0.9	4.8
R-IS-5-UVR	5/12/2025	14	6.7	6.1	10.0	82	8	0.9	4.8
R-IS-5-UVR	5/12/2025	15	6.4	6.0	10.0	81	8	0.9	4.8
R-IS-5-UVR	5/12/2025	16	6.2	6.0	9.9	80	8	1.0	4.8
R-IS-5-UVR	5/12/2025	17	6.2	6.0	9.9	74	8	1.0	4.8
R-IS-5-UVR	5/12/2025	18	6.0	6.0	9.9	79	8	1.0	4.8
R-IS-5-UVR	5/12/2025	19	5.9	6.0	9.8	79	8	1.0	4.8
R-IS-6-UVR	5/13/2025	0	14.2	7.2	9.0	88	10	0.8	4.7
R-IS-6-UVR	5/13/2025	1	14.2	7.1	9.0	88	10	0.8	4.7
R-IS-6-UVR	5/13/2025	2	13.9	7.0	9.1	88	10	0.9	4.7
R-IS-6-UVR	5/13/2025	3	13.8	7.0	9.2	89	10	0.9	4.7
R-IS-6-UVR	5/13/2025	4	13.5	7.0	9.2	89	10	0.8	4.7
R-IS-6-UVR	5/13/2025	5	13.2	7.0	9.3	89	10	0.8	4.7
R-IS-6-UVR	5/13/2025	6	12.6	7.0	9.5	89	9	0.9	4.7
R-IS-6-UVR	5/13/2025	7	11.4	7.0	9.8	89	9	1.0	4.7
R-IS-6-UVR	5/13/2025	8	11.0	6.9	9.9	90	9	0.9	4.7
R-IS-6-UVR	5/13/2025	9	10.9	6.9	9.9	90	9	1.0	4.7
R-IS-6-UVR	5/13/2025	10	10.7	6.8	9.9	90	9	1.0	4.7
R-IS-6-UVR	5/13/2025	11	10.2	6.8	10.0	89	9	0.9	4.7
R-IS-6-UVR	5/13/2025	12	9.5	6.8	10.1	88	9	0.9	4.7

Site ID	2025 Sample Date	Sample Depth (m)	Water Temperature (°C)	pH (s.u.)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (% sat)	Conductivity (uS/cm)	Turbidity (NTU)	Secchi Disk (m)
R-IS-6-UVR	5/13/2025	13	9.1	6.8	10.0	87	8	1.0	4.7
R-IS-6-UVR	5/13/2025	14	8.9	6.7	10.0	86	8	1.0	4.7
R-IS-6-UVR	5/13/2025	15	8.7	6.7	10.0	86	8	1.0	4.7
R-IS-6-UVR	5/13/2025	16	8.4	6.6	10.0	86	8	1.0	4.7
R-IS-6-UVR	5/13/2025	17	8.1	6.5	10.1	85	8	1.0	4.7
R-IS-6-UVR	5/13/2025	18	7.8	6.5	10.1	85	8	1.0	4.7
R-IS-6-UVR	5/13/2025	19	7.3	6.5	10.1	84	8	1.0	4.7
R-IS-6-UVR	5/13/2025	20	7.1	6.4	10.1	83	8	1.0	4.7
R-IS-6-UVR	5/13/2025	21	6.9	6.4	10.1	83	8	1.0	4.7
R-IS-6-UVR	5/13/2025	22	6.7	6.4	10.0	82	8	1.0	4.7
R-IS-6-UVR	5/13/2025	23	6.7	6.3	10.0	82	8	1.0	4.7
R-IS-6-UVR	5/13/2025	24	6.5	6.3	10.0	81	8	1.0	4.7
R-IS-6-UVR	5/13/2025	25	6.4	6.3	10.0	82	8	1.0	4.7
R-IS-6-UVR	5/13/2025	26	6.4	6.3	10.0	82	8	1.0	4.7
R-IS-6-UVR	5/13/2025	27	6.3	6.3	10.1	81	8	1.1	4.7
R-IS-6-UVR	5/13/2025	28	6.0	6.3	10.0	81	8	1.0	4.7
R-IS-6-UVR	5/13/2025	29	5.9	6.3	10.0	80	8	1.0	4.7
R-IS-6-UVR	5/13/2025	30	5.8	6.3	10.0	80	8	1.0	4.7
R-IS-6-UVR	5/13/2025	31	5.7	6.3	10.0	80	8	1.0	4.7
R-IS-6-UVR	5/13/2025	32	5.6	6.3	10.0	79	8	1.0	4.7
R-IS-6-UVR	5/13/2025	33	5.6	6.3	9.9	79	8	1.0	4.7
R-IS-6-UVR	5/13/2025	34	5.6	6.3	9.9	79	8	1.1	4.7
R-IS-7-UVR	5/12/2025	0	13.9	6.9	9.2	89	10	0.8	4.9
R-IS-7-UVR	5/12/2025	1	14.0	6.9	9.2	89	10	0.8	4.9
R-IS-7-UVR	5/12/2025	2	14.0	6.9	9.2	89	10	0.8	4.9
R-IS-7-UVR	5/12/2025	3	14.0	6.9	9.2	89	10	0.7	4.9
R-IS-7-UVR	5/12/2025	4	13.9	6.9	9.2	89	10	0.8	4.9
R-IS-7-UVR	5/12/2025	5	13.9	6.9	9.2	89	10	0.8	4.9
R-IS-7-UVR	5/12/2025	6	11.4	6.9	9.6	88	8	0.7	4.9
R-IS-7-UVR	5/12/2025	7	11.1	6.8	9.7	88	8	0.8	4.9
R-IS-7-UVR	5/12/2025	8	10.2	6.8	9.8	88	8	0.8	4.9
R-IS-7-UVR	5/12/2025	9	9.8	6.8	9.9	87	8	0.9	4.9
R-IS-7-UVR	5/12/2025	10	9.4	6.7	10.0	87	8	0.9	4.9
R-IS-7-UVR	5/12/2025	11	9.3	6.7	10.0	87	8	0.9	4.9

Site ID	2025 Sample Date	Sample Depth (m)	Water Temperature (°C)	pH (s.u.)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (% sat)	Conductivity (uS/cm)	Turbidity (NTU)	Secchi Disk (m)
R-IS-7-UVR	5/12/2025	12	9.1	6.7	10.0	87	8	0.9	4.9
R-IS-7-UVR	5/12/2025	13	9.0	6.7	10.0	87	8	0.9	4.9
R-IS-7-UVR	5/12/2025	14	8.7	6.7	10.0	86	8	0.9	4.9
R-IS-7-UVR	5/12/2025	15	8.2	6.6	10.1	85	8	0.9	4.9
R-IS-7-UVR	5/12/2025	16	7.9	6.6	10.1	85	8	0.9	4.9
R-IS-7-UVR	5/12/2025	17	7.8	6.6	10.1	85	8	0.9	4.9
R-IS-7-UVR	5/12/2025	18	7.5	6.6	10.1	84	8	0.9	4.9
R-IS-7-UVR	5/12/2025	19	7.6	6.5	10.1	84	8	0.9	4.9
R-IS-7-UVR	5/12/2025	20	7.4	6.5	10.1	84	8	0.9	4.9
R-IS-7-UVR	5/12/2025	21	7.4	6.4	10.1	84	8	0.9	4.9
R-IS-7-UVR	5/12/2025	22	7.3	6.4	10.1	83	8	0.9	4.9
R-IS-7-UVR	5/12/2025	23	7.2	6.4	10.0	83	8	0.9	4.9
R-IS-7-UVR	5/12/2025	24	6.7	6.3	10.0	82	8	1.0	4.9
R-IS-7-UVR	5/12/2025	25	6.9	6.3	10.0	82	8	0.9	4.9
R-IS-7-UVR	5/12/2025	26	6.2	6.2	10.0	80	8	1.0	4.9
R-IS-7-UVR	5/12/2025	27	5.9	6.2	9.9	80	8	1.0	4.9
R-IS-7-UVR	5/12/2025	28	5.9	6.2	9.9	79	8	1.0	4.9
R-IS-7-UVR	5/12/2025	29	5.9	6.5	9.9	79	8	1.0	4.9
R-IS-7-UVR	5/12/2025	30	5.8	6.2	9.9	79	8	1.0	4.9
R-IS-7-UVR	5/12/2025	31	5.8	6.2	9.9	79	8	1.0	4.9
R-IS-7-UVR	5/12/2025	32	5.8	6.2	9.9	79	8	1.0	4.9
R-IS-7-UVR	5/12/2025	33	5.7	6.2	9.9	79	8	1.0	4.9
R-IS-7-UVR	5/12/2025	34	5.7	6.2	9.9	79	8	1.0	4.9
R-IS-7-UVR	5/12/2025	35	5.7	6.2	9.9	79	8	1.0	4.9
R-IS-7-UVR	5/12/2025	36	5.6	6.2	9.9	78	8	0.9	4.9
R-IS-7-UVR	5/12/2025	37	5.6	6.1	9.9	79	8	1.0	4.9
R-IS-7-UVR	5/12/2025	38	5.6	6.2	9.9	78	8	1.0	4.9
R-IS-7-UVR	5/12/2025	39	5.6	6.2	9.9	78	8	0.9	4.9
R-IS-7-UVR	5/12/2025	40	5.6	6.2	9.9	78	8	0.9	4.9
R-IS-7-UVR	5/12/2025	41	5.5	6.2	9.8	78	8	0.9	4.9
R-IS-7-UVR	5/12/2025	42	5.5	6.7	9.8	78	8	0.9	4.9
R-IS-8-UVR	5/13/2025	0	13.0	6.9	9.6	91	10	0.9	5.2
R-IS-8-UVR	5/13/2025	1	12.9	6.9	9.6	90	10	0.9	5.2
R-IS-8-UVR	5/13/2025	2	12.7	6.9	9.6	91	10	0.9	5.2

Site ID	2025 Sample Date	Sample Depth (m)	Water Temperature (°C)	pH (s.u.)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (% sat)	Conductivity (uS/cm)	Turbidity (NTU)	Secchi Disk (m)
R-IS-8-UVR	5/13/2025	3	12.7	6.9	9.6	90	10	0.9	5.2
R-IS-8-UVR	5/13/2025	4	12.6	6.9	9.6	90	9	0.9	5.2
R-IS-8-UVR	5/13/2025	5	12.5	6.9	9.7	91	9	0.9	5.2
R-IS-8-UVR	5/13/2025	6	11.8	6.9	9.9	91	9	1.0	5.2
R-IS-8-UVR	5/13/2025	7	11.6	6.9	9.9	91	9	0.9	5.2
R-IS-8-UVR	5/13/2025	8	10.7	6.9	10.0	90	9	1.0	5.2
R-IS-8-UVR	5/13/2025	9	10.5	6.8	10.1	90	9	0.9	5.2
R-IS-8-UVR	5/13/2025	10	9.8	6.8	10.2	90	9	1.0	5.2
R-IS-8-UVR	5/13/2025	11	9.4	6.8	10.2	90	9	0.9	5.2
R-IS-8-UVR	5/13/2025	12	9.0	6.8	10.3	89	8	1.0	5.2
R-IS-8-UVR	5/13/2025	13	8.8	6.7	10.3	89	9	1.0	5.2
R-IS-8-UVR	5/13/2025	14	8.4	6.7	10.3	88	8	1.0	5.2
R-IS-8-UVR	5/13/2025	15	7.8	6.7	10.3	87	8	1.0	5.2
R-IS-8-UVR	5/13/2025	16	7.6	6.7	10.4	87	8	1.0	5.2
R-IS-8-UVR	5/13/2025	17	7.3	6.6	10.4	86	8	1.0	5.2
R-IS-8-UVR	5/13/2025	18	7.1	6.6	10.3	85	8	1.0	5.2
R-IS-8-UVR	5/13/2025	19	6.5	6.6	10.3	84	8	1.0	5.2
R-IS-8-UVR	5/13/2025	20	6.4	6.6	10.2	83	8	1.0	5.2
R-IS-8-UVR	5/13/2025	21	6.3	6.6	10.2	83	8	1.0	5.2
R-IS-8-UVR	5/13/2025	22	6.2	6.6	10.2	82	8	1.1	5.2
R-IS-8-UVR	5/13/2025	23	6.1	6.5	10.2	82	8	1.0	5.2
R-IS-8-UVR	5/13/2025	24	6.1	6.6	10.2	82	8	1.0	5.2
R-IS-8-UVR	5/13/2025	25	6.0	6.6	10.2	82	8	1.0	5.2
R-IS-8-UVR	5/13/2025	26	5.9	6.5	10.1	81	8	1.0	5.2
R-IS-8-UVR	5/13/2025	27	5.9	6.5	10.1	81	8	1.0	5.2
R-IS-8-UVR	5/13/2025	28	5.8	6.5	10.1	81	8	1.0	5.2
R-IS-8-UVR	5/13/2025	29	5.8	6.5	10.1	81	8	1.0	5.2
R-IS-8-UVR	5/13/2025	30	5.8	6.5	10.1	81	8	1.1	5.2
R-IS-8-UVR	5/13/2025	31	5.7	6.6	10.1	81	8	1.0	5.2
R-IS-8-UVR	5/13/2025	32	5.7	6.5	10.1	80	8	1.1	5.2
R-IS-8-UVR	5/13/2025	33	5.7	6.5	10.1	81	8	1.0	5.2
R-IS-8-UVR	5/13/2025	34	5.7	6.5	10.1	81	8	1.0	5.2
R-IS-8-UVR	5/13/2025	35	5.7	6.5	10.1	81	8	1.0	5.2
R-IS-8-UVR	5/13/2025	36	5.7	6.5	10.1	80	8	1.0	5.2

Site ID	2025 Sample Date	Sample Depth (m)	Water Temperature (°C)	pH (s.u.)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (% sat)	Conductivity (uS/cm)	Turbidity (NTU)	Secchi Disk (m)
R-IS-8-UVR	5/13/2025	37	5.6	6.5	10.1	80	8	1.0	5.2
R-IS-8-UVR	5/13/2025	38	5.6	6.5	10.1	80	8	1.0	5.2
R-IS-8-UVR	5/13/2025	39	5.6	6.5	10.1	80	8	1.0	5.2
R-IS-8-UVR	5/13/2025	40	5.6	6.4	10.1	80	8	1.0	5.2
R-IS-8-UVR	5/13/2025	41	5.6	6.4	10.1	80	8	1.0	5.2
R-IS-8-UVR	5/13/2025	42	5.6	6.4	10.1	80	8	1.0	5.2
R-IS-8-UVR	5/13/2025	43	5.6	6.4	10.1	80	8	1.0	5.2
R-IS-8-UVR	5/13/2025	44	5.6	6.4	10.1	80	8	1.0	5.2
R-IS-8-UVR	5/13/2025	45	5.5	6.4	10.1	80	8	1.0	5.2
R-IS-8-UVR	5/13/2025	46	5.5	6.4	10.1	80	8	1.0	5.2
R-IS-8-UVR	5/13/2025	47	5.5	6.4	10.1	80	8	1.0	5.2
R-IS-8-UVR	5/13/2025	48	5.5	6.4	10.1	80	8	1.0	5.2
R-IS-8-UVR	5/13/2025	49	5.5	6.4	10.1	80	8	1.0	5.2
R-IS-8-UVR	5/13/2025	50	5.5	6.4	10.0	80	8	1.0	5.2
R-IS-8-UVR	5/13/2025	51	5.5	6.4	10.0	80	8	1.3	5.2
R-IS-8-UVR	5/13/2025	52	5.4	6.4	10.0	80	8	1.0	5.2
R-IS-8-UVR	5/13/2025	53	5.4	6.4	10.0	79	8	1.0	5.2
R-IS-8-UVR	5/13/2025	54	5.4	6.5	10.0	79	8	1.0	5.2
R-IS-8-UVR	5/13/2025	55	5.4	6.4	10.0	79	8	1.0	5.2
R-IS-8-UVR	5/13/2025	56	5.4	6.4	10.0	79	8	1.0	5.2
R-IS-8-UVR	5/13/2025	57	5.4	6.4	10.0	79	8	1.0	5.2
R-IS-8-UVR	5/13/2025	58	5.4	6.4	10.0	79	8	1.0	5.2
R-IS-8-UVR	5/13/2025	59	5.3	6.4	10.0	79	8	1.0	5.2
R-IS-8-UVR	5/13/2025	60	5.3	6.4	10.0	79	8	1.0	5.2
R-IS-8-UVR	5/13/2025	61	5.3	6.4	10.0	79	8	1.0	5.2
R-IS-8-UVR	5/13/2025	62	5.3	6.4	10.0	79	8	1.0	5.2
R-IS-8-UVR	5/13/2025	63	5.3	6.4	10.0	79	8	1.0	5.2
R-IS-8-UVR	5/13/2025	64	5.3	6.4	10.0	79	8	1.2	5.2
R-IS-8-UVR	5/13/2025	65	5.3	6.4	10.0	79	8	1.0	5.2
R-IS-8-UVR	5/13/2025	66	5.3	6.4	10.0	79	8	1.0	5.2
R-IS-8-UVR	5/13/2025	67	5.3	6.4	9.9	78	8	1.0	5.2
R-IS-8-UVR	5/13/2025	68	5.3	6.4	9.9	78	8	1.0	5.2
R-IS-8-UVR	5/13/2025	69	5.3	6.4	9.9	78	8	1.0	5.2
R-IS-8-UVR	5/13/2025	70	5.3	6.4	9.9	78	8	1.0	5.2

Site ID	2025 Sample Date	Sample Depth (m)	Water Temperature (°C)	pH (s.u.)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (% sat)	Conductivity (uS/cm)	Turbidity (NTU)	Secchi Disk (m)
R-IS-8-UVR	5/13/2025	71	5.3	6.4	9.9	78	8	1.0	5.2
R-IS-8-UVR	5/13/2025	72	5.3	6.4	9.9	78	8	1.0	5.2
R-IS-8-UVR	5/13/2025	73	5.3	6.4	9.9	78	8	0.9	5.2
R-IS-8-UVR	5/13/2025	74	5.2	6.4	9.9	78	8	1.0	5.2
R-IS-8-UVR	5/13/2025	75	5.2	6.4	9.9	78	8	1.0	5.2
R-IS-8-UVR	5/13/2025	76	5.2	6.4	9.9	78	8	1.0	5.2
R-IS-8-UVR	5/13/2025	77	5.2	6.4	9.9	78	8	1.0	5.2
R-IS-8-UVR	5/13/2025	78	5.2	6.4	9.9	78	8	0.9	5.2
R-IS-8-UVR	5/13/2025	79	5.2	6.4	9.9	78	8	1.0	5.2
R-IS-8-UVR	5/13/2025	80	5.2	6.4	9.9	78	8	0.9	5.2
R-IS-8-UVR	5/13/2025	81	5.2	6.4	9.9	78	8	0.9	5.2
Ice House Reservoir									
R-IS-9-IHR	5/8/2025	0	13.8	7.3	9.2	89	10	0.7	4.2
R-IS-9-IHR	5/8/2025	1	13.3	7.3	9.4	89	9	0.9	4.2
R-IS-9-IHR	5/8/2025	2	12.9	7.2	9.5	90	9	1.0	4.2
R-IS-9-IHR	5/8/2025	3	11.5	7.2	9.8	90	9	1.2	4.2
R-IS-9-IHR	5/8/2025	4	10.9	7.2	10.0	90	8	1.1	4.2
R-IS-9-IHR	5/8/2025	5	10.6	7.2	10.1	91	8	1.3	4.2
R-IS-9-IHR	5/8/2025	6	10.4	7.2	10.1	90	8	1.1	4.2
R-IS-9-IHR	5/8/2025	7	9.0	7.2	10.2	88	7	1.1	4.2
R-IS-9-IHR	5/8/2025	8	8.4	7.1	10.3	87	7	1.0	4.2
R-IS-9-IHR	5/8/2025	9	8.0	7.0	10.3	87	7	1.2	4.2
R-IS-9-IHR	5/8/2025	10	7.5	7.0	10.3	86	7	1.0	4.2
R-IS-9-IHR	5/8/2025	11	7.3	6.8	10.3	86	7	1.2	4.2
R-IS-9-IHR	5/8/2025	12	7.1	6.7	10.3	85	7	1.2	4.2
R-IS-9-IHR	5/8/2025	13	6.9	6.7	10.3	85	7	1.1	4.2
R-IS-9-IHR	5/8/2025	14	6.6	6.7	10.3	84	7	1.1	4.2
R-IS-9-IHR	5/8/2025	15	6.5	6.6	10.3	83	7	1.1	4.2
R-IS-9-IHR	5/8/2025	16	6.4	6.6	10.2	83	7	1.1	4.2
R-IS-9-IHR	5/8/2025	17	6.3	6.6	10.2	83	7	1.0	4.2
R-IS-9-IHR	5/8/2025	18	6.2	6.6	10.2	82	7	1.1	4.2
R-IS-9-IHR	5/8/2025	19	6.2	6.6	10.1	82	7	1.1	4.2
R-IS-9-IHR	5/8/2025	20	6.0	6.6	10.1	81	7	1.3	4.2
R-IS-9-IHR	5/8/2025	21	5.7	6.5	9.8	79	8	1.1	4.2

Site ID	2025 Sample Date	Sample Depth (m)	Water Temperature (ºC)	pH (s.u.)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (% sat)	Conductivity (uS/cm)	Turbidity (NTU)	Secchi Disk (m)
R-IS-10-IHR	5/8/2025	0	14.1	7.1	9.2	90	10	0.8	4.4
R-IS-10-IHR	5/8/2025	1	13.4	7.1	9.4	90	9	0.9	4.4
R-IS-10-IHR	5/8/2025	2	13.2	7.2	9.5	90	9	0.9	4.4
R-IS-10-IHR	5/8/2025	3	12.4	7.2	9.7	90	9	0.9	4.4
R-IS-10-IHR	5/8/2025	4	10.9	7.2	10.1	92	9	1.1	4.4
R-IS-10-IHR	5/8/2025	5	9.7	7.2	10.4	92	8	1.1	4.4
R-IS-10-IHR	5/8/2025	6	8.9	7.2	10.5	90	8	1.1	4.4
R-IS-10-IHR	5/8/2025	7	8.7	7.1	10.5	90	8	1.1	4.4
R-IS-10-IHR	5/8/2025	8	8.3	7.1	10.6	90	8	1.1	4.4
R-IS-10-IHR	5/8/2025	9	7.7	7.1	10.6	89	8	1.0	4.4
R-IS-10-IHR	5/8/2025	10	7.5	7.0	10.6	88	8	1.1	4.4
R-IS-10-IHR	5/8/2025	11	7.3	7.0	10.5	87	8	1.2	4.4
R-IS-11-IHR	5/8/2025	0	14.2	7.1	9.2	90	10	0.8	4.2
R-IS-11-IHR	5/8/2025	1	13.4	7.1	9.4	90	9	0.9	4.2
R-IS-11-IHR	5/8/2025	2	13.0	7.2	9.4	90	9	1.0	4.2
R-IS-11-IHR	5/8/2025	3	12.8	7.2	9.5	90	9	1.1	4.2
R-IS-11-IHR	5/8/2025	4	12.1	7.2	8.8	91	9	1.0	4.2
R-IS-11-IHR	5/8/2025	5	10.2	7.2	10.4	92	8	1.0	4.2
R-IS-11-IHR	5/8/2025	6	8.6	7.2	10.8	93	8	1.1	4.2
R-IS-11-IHR	5/8/2025	7	7.8	7.2	10.9	91	8	1.2	4.2
R-IS-11-IHR	5/8/2025	8	7.5	7.1	10.8	90	8	1.0	4.2
R-IS-11-IHR	5/8/2025	9	7.0	7.0	10.8	89	8	1.1	4.2
R-IS-11-IHR	5/8/2025	10	6.7	7.0	10.7	88	8	1.1	4.2
R-IS-11-IHR	5/8/2025	11	6.4	6.9	10.6	86	8	1.1	4.2
R-IS-11-IHR	5/8/2025	12	6.2	6.9	10.5	84	8	1.1	4.2
R-IS-11-IHR	5/8/2025	13	6.0	6.8	10.4	83	8	1.1	4.2
R-IS-11-IHR	5/8/2025	14	5.9	6.7	10.2	82	8	1.1	4.2
R-IS-11-IHR	5/8/2025	15	5.8	6.7	10.1	81	8	1.1	4.2
R-IS-11-IHR	5/8/2025	16	5.7	6.6	10.1	80	8	1.2	4.2
R-IS-11-IHR	5/8/2025	17	5.7	6.6	10.0	80	8	1.1	4.2
R-IS-11-IHR	5/8/2025	18	5.6	6.6	10.0	79	8	1.1	4.2
R-IS-11-IHR	5/8/2025	19	5.6	6.6	10.0	79	8	1.0	4.2
R-IS-11-IHR	5/8/2025	20	5.6	6.6	9.9	79	8	1.1	4.2
R-IS-11-IHR	5/8/2025	21	5.6	6.6	9.9	79	8	1.1	4.2

Site ID	2025 Sample Date	Sample Depth (m)	Water Temperature (°C)	pH (s.u.)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (% sat)	Conductivity (uS/cm)	Turbidity (NTU)	Secchi Disk (m)
R-IS-11-IHR	5/8/2025	22	5.6	6.6	9.9	79	8	1.0	4.2
R-IS-11-IHR	5/8/2025	23	5.5	6.6	9.9	78	8	1.1	4.2
R-IS-11-IHR	5/8/2025	24	5.5	6.6	9.9	78	8	1.1	4.2
R-IS-11-IHR	5/8/2025	25	5.5	6.6	9.9	78	8	1.2	4.2
R-IS-11-IHR	5/8/2025	26	5.5	6.6	9.9	78	8	1.1	4.2
R-IS-11-IHR	5/8/2025	27	5.5	6.6	9.8	78	8	1.1	4.2
R-IS-11-IHR	5/8/2025	28	5.5	6.6	9.8	78	8	1.1	4.2
R-IS-11-IHR	5/8/2025	29	5.5	6.6	9.8	78	8	1.1	4.2
R-IS-11-IHR	5/8/2025	30	5.5	6.6	9.8	78	8	1.1	4.2
R-IS-11-IHR	5/8/2025	31	5.5	6.6	9.8	78	8	1.1	4.2
R-IS-11-IHR	5/8/2025	32	5.5	6.6	9.8	77	8	1.1	4.2
R-IS-11-IHR	5/8/2025	33	5.4	6.5	9.7	77	8	1.1	4.2
R-IS-11-IHR	5/8/2025	34	5.4	6.5	9.7	77	8	1.1	4.2
R-IS-11-IHR	5/8/2025	35	5.4	6.5	9.7	76	8	1.2	4.2
R-IS-11-IHR	5/8/2025	36	5.4	6.5	9.6	76	8	1.1	4.2
R-IS-11-IHR	5/8/2025	37	5.4	6.5	9.6	76	8	1.1	4.2
R-IS-11-IHR	5/8/2025	38	5.4	6.5	9.5	75	8	1.2	4.2
Junction Reservoir									
R-IS-12-JR	5/7/2025	0	13.0	7.1	9.1	87	12	0.7	6.2
R-IS-12-JR	5/7/2025	1	10.3	7.1	9.9	88	11	1.1	6.2
R-IS-12-JR	5/7/2025	2	7.5	7.1	10.1	84	10	1.3	6.2
R-IS-12-JR	5/7/2025	3	7.1	7.0	10.3	85	10	1.3	6.2
R-IS-12-JR	5/7/2025	4	6.8	7.0	10.3	85	9	1.3	6.2
R-IS-12-JR	5/7/2025	5	6.7	6.9	10.4	85	9	1.3	6.2
R-IS-12-JR	5/7/2025	6	6.5	6.9	10.4	84	9	1.3	6.2
R-IS-12-JR	5/7/2025	7	6.5	6.8	10.4	85	9	1.2	6.2
R-IS-12-JR	5/7/2025	8	6.3	6.8	10.4	85	9	1.2	6.2
R-IS-12-JR	5/7/2025	9	6.2	6.8	10.4	84	8	1.2	6.2
R-IS-12-JR	5/7/2025	10	6.2	6.8	10.4	84	8	1.2	6.2
R-IS-12-JR	5/7/2025	11	6.2	6.7	10.4	84	8	1.2	6.2
R-IS-12-JR	5/7/2025	12	6.1	6.7	10.4	84	8	1.3	6.2
R-IS-12-JR	5/7/2025	13	6.1	6.7	10.4	83	8	1.2	6.2
R-IS-12-JR	5/7/2025	14	6.1	6.7	10.3	83	8	1.2	6.2
R-IS-12-JR	5/7/2025	15	6.0	6.7	10.3	83	8	1.2	6.2

Site ID	2025 Sample Date	Sample Depth (m)	Water Temperature (°C)	pH (s.u.)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (% sat)	Conductivity (uS/cm)	Turbidity (NTU)	Secchi Disk (m)
R-IS-12-JR	5/7/2025	16	6.0	6.7	10.3	83	8	1.3	6.2
R-IS-12-JR	5/7/2025	17	6.0	6.7	10.3	83	8	1.2	6.2
R-IS-12-JR	5/7/2025	18	6.0	6.7	10.3	83	8	1.2	6.2
R-IS-12-JR	5/7/2025	19	6.0	6.7	10.3	83	8	1.3	6.2
R-IS-12-JR	5/7/2025	20	5.9	6.7	10.2	82	8	1.4	6.2
Camino Reservoir									
R-IS-13-CR	5/7/2025	0	7.8	7.0	11.0	92	9	1.1	7.5
R-IS-13-CR	5/7/2025	1	7.5	6.8	11.1	93	9	1.3	7.5
R-IS-13-CR	5/7/2025	2	7.3	6.7	11.2	93	9	1.3	7.5
R-IS-13-CR	5/7/2025	3	7.2	6.7	11.2	93	9	1.3	7.5
R-IS-13-CR	5/7/2025	4	7.2	6.7	11.2	93	9	1.2	7.5
R-IS-13-CR	5/7/2025	5	7.2	6.7	11.2	93	9	1.3	7.5
R-IS-13-CR	5/7/2025	6	7.2	6.7	11.2	93	9	1.2	7.5
R-IS-13-CR	5/7/2025	7	7.0	6.7	11.2	93	9	1.2	7.5
Slab Creek Reservoir									
R-IS-14-SC	5/9/2025	0	10.7	7.2	10.5	95	17	2.7	2.1
R-IS-14-SC	5/9/2025	1	10.6	7.1	10.9	98	17	2.9	2.1
R-IS-14-SC	5/9/2025	2	10.5	7.1	11.0	98	17	3.1	2.1
R-IS-14-SC	5/9/2025	3	10.5	7.1	11.0	98	17	3.1	2.1
R-IS-14-SC	5/9/2025	4	10.4	7.0	11.0	98	17	3.1	2.1
R-IS-14-SC	5/9/2025	5	10.4	7.1	11.0	98	17	3.2	2.1
R-IS-14-SC	5/9/2025	6	10.4	7.0	11.0	98	17	3.0	2.1
R-IS-15-SC	5/9/2025	0	14.2	7.5	10.6	103	23	0.9	4.4
R-IS-15-SC	5/9/2025	1	13.9	7.3	10.5	102	22	1.1	4.4
R-IS-15-SC	5/9/2025	2	13.6	7.2	10.6	102	22	1.4	4.4
R-IS-15-SC	5/9/2025	3	13.2	7.2	10.6	101	22	1.3	4.4
R-IS-15-SC	5/9/2025	4	13.1	7.2	10.6	101	22	1.3	4.4
R-IS-15-SC	5/9/2025	5	13.0	7.2	10.6	101	21	1.4	4.4
R-IS-15-SC	5/9/2025	6	12.5	7.2	10.6	100	21	1.5	4.4
R-IS-15-SC	5/9/2025	7	12.1	7.1	10.7	99	21	1.5	4.4
R-IS-15-SC	5/9/2025	8	11.9	7.1	10.7	99	20	1.7	4.4
R-IS-15-SC	5/9/2025	9	11.8	7.1	10.7	99	20	1.7	4.4
R-IS-15-SC	5/9/2025	10	11.7	7.1	10.7	99	20	1.9	4.4
R-IS-15-SC	5/9/2025	11	11.6	7.1	10.7	99	20	1.7	4.4

Site ID	2025 Sample Date	Sample Depth (m)	Water Temperature (ºC)	pH (s.u.)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (% sat)	Conductivity (uS/cm)	Turbidity (NTU)	Secchi Disk (m)
R-IS-15-SC	5/9/2025	12	11.6	7.1	10.8	99	20	1.9	4.4
R-IS-15-SC	5/9/2025	13	11.6	7.1	10.8	99	20	1.8	4.4
R-IS-15-SC	5/9/2025	14	11.5	7.1	10.8	99	20	1.6	4.4
R-IS-15-SC	5/9/2025	15	11.4	7.1	10.8	98	20	1.6	4.4
R-IS-15-SC	5/9/2025	16	11.4	7.0	10.8	98	20	1.7	4.4
R-IS-15-SC	5/9/2025	17	11.3	7.0	10.8	98	20	1.6	4.4
R-IS-15-SC	5/9/2025	18	11.2	7.0	10.7	98	20	1.7	4.4
R-IS-15-SC	5/9/2025	19	11.2	7.0	10.8	98	20	1.7	4.4
R-IS-15-SC	5/9/2025	20	11.2	7.0	10.7	98	20	1.7	4.4
R-IS-15-SC	5/9/2025	21	11.1	7.0	10.7	97	19	1.6	4.4
R-IS-15-SC	5/9/2025	22	11.0	7.0	10.7	98	19	1.7	4.4
R-IS-15-SC	5/9/2025	23	11.0	7.0	10.7	98	19	1.6	4.4
R-IS-15-SC	5/9/2025	24	11.0	7.0	10.7	97	19	1.6	4.4
R-IS-15-SC	5/9/2025	25	10.9	7.0	10.7	97	18	1.8	4.4
R-IS-15-SC	5/9/2025	26	10.9	7.0	10.7	97	19	1.8	4.4
R-IS-15-SC	5/9/2025	27	10.9	7.0	10.7	97	18	1.7	4.4
R-IS-15-SC	5/9/2025	28	10.9	7.0	10.7	97	18	1.6	4.4
R-IS-15-SC	5/9/2025	29	10.9	7.0	10.7	97	18	1.7	4.4
R-IS-15-SC	5/9/2025	30	10.9	7.0	10.7	97	19	1.7	4.4
R-IS-15-SC	5/9/2025	31	10.8	7.0	10.7	97	19	1.7	4.4
R-IS-15-SC	5/9/2025	32	10.7	6.9	10.7	97	18	1.7	4.4
R-IS-15-SC	5/9/2025	33	10.7	6.9	10.7	96	18	2.2	4.4
R-IS-15-SC	5/9/2025	34	10.6	6.9	10.7	96	18	2.0	4.4

Notes: °C = degree Celsius
% sat = percent saturation
NTU = nephelometric turbidity unit
m = meter
s.u. = standard unit
mg/L = milligram per liter

Table D-2. Vertical Profile Data for Upper American River Project Reservoir Sites—Fall (October) *In Situ* Surveys.

Site ID	2025 Sample Date	Sample Depth (m)	Water Temperature (°C)	pH (s.u.)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (% sat)	Conductivity (uS/cm)	Turbidity (NTU)	Secchi Disk (m)
Loon Lake Reservoir									
R-IS-1-LL	11/12/2025	0	10.7	6.3	8.6	78	7	0.4	6.1
R-IS-1-LL	11/12/2025	1	10.7	6.3	8.6	77	7	0.4	6.1
R-IS-1-LL	11/12/2025	2	10.7	6.3	8.6	77	7	0.4	6.1
R-IS-1-LL	11/12/2025	3	10.7	6.3	8.6	78	7	0.4	6.1
R-IS-1-LL	11/12/2025	4	10.7	6.4	8.6	77	7	0.4	6.1
R-IS-1-LL	11/12/2025	5	10.7	6.4	8.6	77	7	0.5	6.1
R-IS-1-LL	11/12/2025	6	10.7	6.4	8.6	77	7	0.4	6.1
R-IS-1-LL	11/12/2025	7	10.6	6.4	8.5	77	7	0.4	6.1
R-IS-1-LL	11/12/2025	8	10.6	6.4	8.5	77	7	0.5	6.1
R-IS-1-LL	11/12/2025	9	10.6	6.4	8.5	77	7	0.4	6.1
R-IS-1-LL	11/12/2025	10	10.6	6.4	8.5	76	7	0.4	6.1
R-IS-1-LL	11/12/2025	11	10.6	6.4	8.5	77	7	0.4	6.1
R-IS-1-LL	11/12/2025	12	10.6	6.4	8.5	77	7	0.5	6.1
R-IS-1-LL	11/12/2025	13	10.6	6.4	8.5	76	7	0.4	6.1
R-IS-1-LL	11/12/2025	14	10.5	6.3	8.4	75	7	0.8	6.1
R-IS-2-LL	11/12/2025	0	10.6	6.9	8.5	77	7	0.3	5.6
R-IS-2-LL	11/12/2025	1	10.6	6.5	8.5	77	7	0.4	5.6
R-IS-2-LL	11/12/2025	2	10.6	6.4	8.5	77	7	0.4	5.6
R-IS-2-LL	11/12/2025	3	10.6	6.4	8.5	77	7	0.4	5.6
R-IS-2-LL	11/12/2025	4	10.6	6.4	8.5	77	7	0.4	5.6
R-IS-2-LL	11/12/2025	5	10.6	6.4	8.5	76	7	0.4	5.6
R-IS-2-LL	11/12/2025	6	10.6	6.4	8.5	76	7	0.5	5.6
R-IS-2-LL	11/12/2025	7	10.6	6.4	8.5	76	7	0.4	5.6
R-IS-2-LL	11/12/2025	8	10.6	6.4	8.5	76	7	0.4	5.6
R-IS-2-LL	11/12/2025	9	10.6	6.4	8.5	76	7	0.3	5.6
R-IS-2-LL	11/12/2025	10	10.6	6.4	8.5	76	7	0.4	5.6
R-IS-2-LL	11/12/2025	11	10.6	6.4	8.5	76	7	0.4	5.6
R-IS-2-LL	11/12/2025	12	10.6	6.4	8.5	76	7	0.4	5.6
R-IS-3-LL	11/12/2025	0	10.6	6.4	8.6	77	7	0.4	6.2
R-IS-3-LL	11/12/2025	1	10.6	6.4	8.6	77	7	0.5	6.2
R-IS-3-LL	11/12/2025	2	10.6	6.4	8.6	77	7	0.4	6.2

Site ID	2025 Sample Date	Sample Depth (m)	Water Temperature (°C)	pH (s.u.)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (% sat)	Conductivity (uS/cm)	Turbidity (NTU)	Secchi Disk (m)
R-IS-3-LL	11/12/2025	3	10.5	6.4	8.5	77	7	0.4	6.2
R-IS-3-LL	11/12/2025	4	10.5	6.5	8.5	77	7	0.4	6.2
R-IS-3-LL	11/12/2025	5	10.5	6.4	8.5	76	7	0.5	6.2
R-IS-3-LL	11/12/2025	6	10.5	6.4	8.5	76	7	0.4	6.2
R-IS-3-LL	11/12/2025	7	10.5	6.4	8.5	76	7	0.4	6.2
R-IS-3-LL	11/12/2025	8	10.5	6.4	8.5	76	7	0.4	6.2
R-IS-3-LL	11/12/2025	9	10.5	6.4	8.5	76	7	0.4	6.2
R-IS-3-LL	11/12/2025	10	10.5	6.4	8.5	76	7	0.5	6.2
R-IS-3-LL	11/12/2025	11	10.5	6.4	8.5	76	7	0.4	6.2
Gerle Creek Reservoir									
R-IS-4-GC	11/7/2025	0	10.1	6.9	8.9	80	11	1.2	7.2
R-IS-4-GC	11/7/2025	1	9.9	6.8	9.0	79	11	1.2	7.2
R-IS-4-GC	11/7/2025	2	9.5	6.7	8.9	78	11	1.3	7.2
R-IS-4-GC	11/7/2025	3	9.3	6.7	8.9	78	10	1.3	7.2
R-IS-4-GC	11/7/2025	4	9.2	6.5	8.9	78	10	1.3	7.2
R-IS-4-GC	11/7/2025	5	9.2	5.6	8.9	77	10	1.3	7.2
R-IS-4-GC	11/7/2025	6	9.1	5.5	8.9	77	10	1.3	7.2
R-IS-4-GC	11/7/2025	7	8.9	5.5	8.9	77	10	1.3	7.2
Union Valley Reservoir									
R-IS-5-UVR	11/19/2025	0	13.0	6.2	8.3	79	10	0.7	5.3
R-IS-5-UVR	11/19/2025	1	13.1	6.2	8.3	79	10	0.7	5.3
R-IS-5-UVR	11/19/2025	2	13.1	6.2	8.3	79	10	0.7	5.3
R-IS-5-UVR	11/19/2025	3	13.0	6.2	8.3	79	10	0.7	5.3
R-IS-5-UVR	11/19/2025	4	13.0	6.2	8.3	78	10	0.6	5.3
R-IS-5-UVR	11/19/2025	5	12.9	6.2	8.3	78	10	0.7	5.3
R-IS-5-UVR	11/19/2025	6	12.9	6.2	8.3	78	10	0.7	5.3
R-IS-5-UVR	11/19/2025	7	12.8	6.2	8.3	78	10	0.7	5.3
R-IS-5-UVR	11/19/2025	8	12.7	6.2	8.3	78	10	0.7	5.3
R-IS-5-UVR	11/19/2025	9	12.5	6.2	8.3	78	10	0.7	5.3
R-IS-5-UVR	11/19/2025	10	12.3	6.2	8.3	78	11	0.7	5.3
R-IS-6-UVR	11/19/2025	0	13.3	6.6	8.2	78	10	0.7	4.4
R-IS-6-UVR	11/19/2025	1	13.3	6.5	8.1	78	10	0.7	4.4
R-IS-6-UVR	11/19/2025	2	13.3	6.4	8.1	78	10	0.7	4.4
R-IS-6-UVR	11/19/2025	3	13.3	6.3	8.1	78	10	0.7	4.4
R-IS-6-UVR	11/19/2025	4	13.3	6.4	8.1	77	10	0.6	4.4

Site ID	2025 Sample Date	Sample Depth (m)	Water Temperature (°C)	pH (s.u.)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (% sat)	Conductivity (uS/cm)	Turbidity (NTU)	Secchi Disk (m)
R-IS-6-UVR	11/19/2025	5	13.3	6.3	8.1	77	10	0.6	4.4
R-IS-6-UVR	11/19/2025	6	13.3	6.3	8.1	77	10	0.6	4.4
R-IS-6-UVR	11/19/2025	7	13.3	6.2	8.1	77	10	0.6	4.4
R-IS-6-UVR	11/19/2025	8	13.3	6.3	8.1	77	10	0.6	4.4
R-IS-6-UVR	11/19/2025	9	13.3	6.2	8.1	77	10	0.7	4.4
R-IS-6-UVR	11/19/2025	10	13.3	6.2	8.1	77	10	0.7	4.4
R-IS-6-UVR	11/19/2025	11	13.3	6.2	8.1	77	10	0.6	4.4
R-IS-6-UVR	11/19/2025	12	13.3	6.2	8.0	77	10	0.7	4.4
R-IS-6-UVR	11/19/2025	13	13.3	6.2	8.0	77	10	0.6	4.4
R-IS-6-UVR	11/19/2025	14	13.3	6.2	8.1	77	10	0.7	4.4
R-IS-6-UVR	11/19/2025	15	13.3	6.2	8.1	78	10	0.7	4.4
R-IS-6-UVR	11/19/2025	16	13.3	6.2	8.0	76	10	0.6	4.4
R-IS-6-UVR	11/19/2025	17	13.3	6.2	8.1	77	10	0.6	4.4
R-IS-6-UVR	11/19/2025	18	13.4	6.2	8.0	77	10	0.6	4.4
R-IS-6-UVR	11/19/2025	19	13.4	6.2	8.0	77	10	0.6	4.4
R-IS-6-UVR	11/19/2025	20	13.4	6.2	8.1	77	10	0.7	4.4
R-IS-6-UVR	11/19/2025	21	13.4	6.2	8.0	76	10	0.6	4.4
R-IS-6-UVR	11/19/2025	22	13.4	6.2	8.1	77	10	0.7	4.4
R-IS-6-UVR	11/19/2025	23	13.3	6.2	8.1	77	10	0.6	4.4
R-IS-6-UVR	11/19/2025	24	13.3	6.2	8.1	77	10	0.6	4.4
R-IS-6-UVR	11/19/2025	25	13.3	6.2	8.1	77	10	0.7	4.4
R-IS-6-UVR	11/19/2025	26	13.1	6.2	8.1	77	10	0.7	4.4
R-IS-6-UVR	11/19/2025	27	13.0	6.2	8.1	77	10	0.7	4.4
R-IS-7-UVR	11/19/2025	0	13.3	6.3	8.2	78	10	0.7	4.3
R-IS-7-UVR	11/19/2025	1	13.3	6.3	8.2	78	10	0.7	4.3
R-IS-7-UVR	11/19/2025	2	13.3	6.3	8.1	78	10	0.7	4.3
R-IS-7-UVR	11/19/2025	3	13.3	6.3	8.2	78	10	0.7	4.3
R-IS-7-UVR	11/19/2025	4	13.3	6.3	8.1	78	10	0.6	4.3
R-IS-7-UVR	11/19/2025	5	13.3	6.3	8.2	78	10	0.7	4.3
R-IS-7-UVR	11/19/2025	6	13.3	6.3	8.2	78	10	0.7	4.3
R-IS-7-UVR	11/19/2025	7	13.3	6.3	8.1	78	10	0.7	4.3
R-IS-7-UVR	11/19/2025	8	13.3	6.3	8.2	78	10	0.7	4.3
R-IS-7-UVR	11/19/2025	9	13.3	6.3	8.1	77	10	0.7	4.3
R-IS-7-UVR	11/19/2025	10	13.3	6.3	8.1	77	10	0.7	4.3
R-IS-7-UVR	11/19/2025	11	13.3	6.3	8.1	77	10	0.6	4.3

Site ID	2025 Sample Date	Sample Depth (m)	Water Temperature (°C)	pH (s.u.)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (% sat)	Conductivity (uS/cm)	Turbidity (NTU)	Secchi Disk (m)
R-IS-7-UVR	11/19/2025	12	13.3	6.3	8.2	78	10	0.7	4.3
R-IS-7-UVR	11/19/2025	13	13.3	6.3	8.0	77	10	0.7	4.3
R-IS-7-UVR	11/19/2025	14	13.3	6.3	8.1	78	10	0.7	4.3
R-IS-7-UVR	11/19/2025	15	13.3	6.3	8.1	78	10	0.7	4.3
R-IS-7-UVR	11/19/2025	16	13.3	6.3	8.0	77	10	0.7	4.3
R-IS-7-UVR	11/19/2025	17	13.3	6.3	8.2	78	10	0.7	4.3
R-IS-7-UVR	11/19/2025	18	13.3	6.3	8.0	76	10	0.6	4.3
R-IS-7-UVR	11/19/2025	19	13.3	6.3	8.1	78	10	0.7	4.3
R-IS-7-UVR	11/19/2025	20	13.3	6.3	8.1	77	10	0.7	4.3
R-IS-7-UVR	11/19/2025	21	13.3	6.3	8.1	77	10	0.7	4.3
R-IS-7-UVR	11/19/2025	22	13.2	6.4	8.1	77	10	0.7	4.3
R-IS-7-UVR	11/19/2025	23	13.2	6.4	8.1	77	10	0.7	4.3
R-IS-7-UVR	11/19/2025	24	13.2	6.3	8.1	77	10	0.7	4.3
R-IS-7-UVR	11/19/2025	25	13.2	6.3	8.1	77	10	0.7	4.3
R-IS-7-UVR	11/19/2025	26	13.2	6.3	8.1	77	10	0.7	4.3
R-IS-7-UVR	11/19/2025	27	13.1	6.3	8.1	77	10	0.7	4.3
R-IS-7-UVR	11/19/2025	28	13.1	6.3	8.1	77	10	0.6	4.3
R-IS-7-UVR	11/19/2025	29	13.0	6.3	8.1	77	10	0.7	4.3
R-IS-7-UVR	11/19/2025	30	12.9	6.3	8.2	77	10	0.7	4.3
R-IS-7-UVR	11/19/2025	31	12.8	6.4	8.2	77	10	0.7	4.3
R-IS-7-UVR	11/19/2025	32	12.7	6.3	8.2	77	10	0.7	4.3
R-IS-7-UVR	11/19/2025	33	12.6	6.3	8.2	77	10	0.8	4.3
R-IS-8-UVR	11/19/2025	0	13.3	6.3	8.0	76	10	0.7	5.2
R-IS-8-UVR	11/19/2025	1	13.3	6.3	8.0	76	10	0.7	5.2
R-IS-8-UVR	11/19/2025	2	13.3	6.3	8.0	76	10	0.7	5.2
R-IS-8-UVR	11/19/2025	3	13.3	6.3	8.0	76	10	0.6	5.2
R-IS-8-UVR	11/19/2025	4	13.3	6.2	8.0	76	10	0.6	5.2
R-IS-8-UVR	11/19/2025	5	13.3	6.2	7.9	76	10	0.6	5.2
R-IS-8-UVR	11/19/2025	6	13.3	6.2	7.9	76	10	0.6	5.2
R-IS-8-UVR	11/19/2025	7	13.3	6.2	7.9	76	10	0.6	5.2
R-IS-8-UVR	11/19/2025	8	13.3	6.3	7.9	76	10	0.6	5.2
R-IS-8-UVR	11/19/2025	9	13.3	6.2	7.9	76	10	0.7	5.2
R-IS-8-UVR	11/19/2025	10	13.3	6.2	7.9	75	10	0.7	5.2
R-IS-8-UVR	11/19/2025	11	13.3	6.2	7.9	75	10	0.7	5.2
R-IS-8-UVR	11/19/2025	12	13.3	6.2	7.9	76	10	0.7	5.2

Site ID	2025 Sample Date	Sample Depth (m)	Water Temperature (°C)	pH (s.u.)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (% sat)	Conductivity (uS/cm)	Turbidity (NTU)	Secchi Disk (m)
R-IS-8-UVR	11/19/2025	13	13.3	6.2	7.9	75	10	0.7	5.2
R-IS-8-UVR	11/19/2025	14	13.3	6.2	7.9	76	10	0.7	5.2
R-IS-8-UVR	11/19/2025	15	13.3	6.2	7.9	75	10	0.7	5.2
R-IS-8-UVR	11/19/2025	16	13.3	6.2	7.9	75	10	0.6	5.2
R-IS-8-UVR	11/19/2025	17	13.3	6.2	7.9	75	10	0.7	5.2
R-IS-8-UVR	11/19/2025	18	13.3	6.2	7.9	76	10	0.7	5.2
R-IS-8-UVR	11/19/2025	19	13.3	6.3	7.9	75	10	0.6	5.2
R-IS-8-UVR	11/19/2025	20	13.3	6.2	7.9	75	10	0.7	5.2
R-IS-8-UVR	11/19/2025	21	13.3	6.1	7.9	75	10	0.7	5.2
R-IS-8-UVR	11/19/2025	22	13.3	6.2	7.9	75	10	0.6	5.2
R-IS-8-UVR	11/19/2025	23	13.3	6.2	7.9	75	10	0.6	5.2
R-IS-8-UVR	11/19/2025	24	13.3	6.2	7.9	75	10	0.7	5.2
R-IS-8-UVR	11/19/2025	25	13.3	6.2	7.8	75	10	0.7	5.2
R-IS-8-UVR	11/19/2025	26	13.3	6.2	7.8	75	10	0.7	5.2
R-IS-8-UVR	11/19/2025	27	13.3	6.2	7.9	75	10	0.7	5.2
R-IS-8-UVR	11/19/2025	28	13.1	6.2	7.8	74	10	0.7	5.2
R-IS-8-UVR	11/19/2025	29	13.0	6.2	7.7	73	10	0.6	5.2
R-IS-8-UVR	11/19/2025	30	13.0	6.1	7.7	73	10	0.6	5.2
R-IS-8-UVR	11/19/2025	31	12.9	6.1	7.7	73	10	0.7	5.2
R-IS-8-UVR	11/19/2025	32	12.8	6.1	7.8	73	10	0.7	5.2
R-IS-8-UVR	11/19/2025	33	12.7	6.1	7.6	72	10	0.6	5.2
R-IS-8-UVR	11/19/2025	34	12.7	6.0	7.4	70	10	0.6	5.2
R-IS-8-UVR	11/19/2025	35	12.6	6.1	7.5	71	10	0.6	5.2
R-IS-8-UVR	11/19/2025	36	12.5	6.0	7.5	70	10	0.7	5.2
R-IS-8-UVR	11/19/2025	37	12.4	6.0	7.4	70	10	0.6	5.2
R-IS-8-UVR	11/19/2025	38	12.3	6.0	7.4	69	10	0.6	5.2
R-IS-8-UVR	11/19/2025	39	12.2	5.9	7.1	66	10	0.5	5.2
R-IS-8-UVR	11/19/2025	40	12.1	5.9	7.0	65	10	0.5	5.2
R-IS-8-UVR	11/19/2025	41	11.9	5.9	6.9	64	10	0.5	5.2
R-IS-8-UVR	11/19/2025	42	11.5	5.9	6.8	62	10	0.4	5.2
R-IS-8-UVR	11/19/2025	43	11.3	5.9	6.7	61	10	0.5	5.2
R-IS-8-UVR	11/19/2025	44	11.0	5.9	6.7	61	10	0.4	5.2
R-IS-8-UVR	11/19/2025	45	10.9	5.9	6.8	62	10	0.4	5.2
R-IS-8-UVR	11/19/2025	46	10.7	5.9	6.9	62	10	0.4	5.2
R-IS-8-UVR	11/19/2025	47	10.5	5.9	6.9	62	10	0.4	5.2

Site ID	2025 Sample Date	Sample Depth (m)	Water Temperature (°C)	pH (s.u.)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (% sat)	Conductivity (uS/cm)	Turbidity (NTU)	Secchi Disk (m)
R-IS-8-UVR	11/19/2025	48	10.5	5.9	6.9	62	10	0.4	5.2
R-IS-8-UVR	11/19/2025	49	10.3	5.9	6.9	62	9	0.4	5.2
R-IS-8-UVR	11/19/2025	50	10.3	5.9	6.9	61	9	0.4	5.2
R-IS-8-UVR	11/19/2025	51	10.1	5.9	6.9	61	9	0.4	5.2
R-IS-8-UVR	11/19/2025	52	10.0	5.9	6.9	61	9	0.5	5.2
R-IS-8-UVR	11/19/2025	53	9.9	5.9	6.9	61	9	0.5	5.2
Ice House Reservoir									
R-IS-9-IHR	11/12/2025	0	11.6	6.4	8.4	77	10	0.4	6.4
R-IS-9-IHR	11/12/2025	1	11.6	6.4	8.4	77	10	0.4	6.4
R-IS-9-IHR	11/12/2025	2	11.6	6.4	8.4	77	10	0.4	6.4
R-IS-9-IHR	11/12/2025	3	11.6	6.4	8.4	77	10	0.4	6.4
R-IS-9-IHR	11/12/2025	4	11.6	6.4	8.4	77	10	0.4	6.4
R-IS-9-IHR	11/12/2025	5	11.6	6.4	8.4	77	10	0.5	6.4
R-IS-9-IHR	11/12/2025	6	11.6	6.3	8.4	77	10	0.5	6.4
R-IS-9-IHR	11/12/2025	7	11.6	6.3	8.4	77	10	0.4	6.4
R-IS-9-IHR	11/12/2025	8	11.6	6.4	8.3	77	10	0.5	6.4
R-IS-9-IHR	11/12/2025	9	11.6	6.4	8.3	77	10	0.4	6.4
R-IS-9-IHR	11/12/2025	10	11.6	6.4	8.3	77	10	0.4	6.4
R-IS-9-IHR	11/12/2025	11	11.5	6.3	8.3	76	10	0.5	6.4
R-IS-9-IHR	11/12/2025	12	11.5	6.3	8.2	75	10	0.4	6.4
R-IS-9-IHR	11/12/2025	13	11.4	6.3	8.2	75	10	0.4	6.4
R-IS-10-IHR	11/12/2025	0	11.8	6.3	8.4	78	10	0.4	7.5
R-IS-10-IHR	11/12/2025	1	11.8	6.3	8.4	77	10	0.4	7.5
R-IS-10-IHR	11/12/2025	2	11.8	6.4	8.4	77	10	0.3	7.5
R-IS-10-IHR	11/12/2025	3	11.8	6.4	8.4	77	10	0.4	7.5
R-IS-10-IHR	11/12/2025	4	11.8	6.4	8.3	77	10	0.4	7.5
R-IS-10-IHR	11/12/2025	5	11.8	6.4	8.3	77	10	0.3	7.5
R-IS-10-IHR	11/12/2025	6	11.8	6.4	8.3	77	10	0.4	7.5
R-IS-10-IHR	11/12/2025	7	11.8	6.4	8.3	77	10	0.4	7.5
R-IS-10-IHR	11/12/2025	8	11.8	6.4	8.3	77	10	0.4	7.5
R-IS-10-IHR	11/12/2025	9	11.7	6.3	8.3	77	10	0.3	7.5
R-IS-10-IHR	11/12/2025	10	11.7	6.4	8.2	75	10	0.4	7.5
R-IS-10-IHR	11/12/2025	11	11.6	6.3	8.1	75	10	0.4	7.5
R-IS-10-IHR	11/12/2025	12	11.6	6.3	8.0	74	10	0.4	7.5
R-IS-11-IHR	11/12/2025	0	12.0	6.3	8.4	78	10	0.4	6.4

Site ID	2025 Sample Date	Sample Depth (m)	Water Temperature (°C)	pH (s.u.)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (% sat)	Conductivity (uS/cm)	Turbidity (NTU)	Secchi Disk (m)
R-IS-11-IHR	11/12/2025	1	12.0	6.3	8.4	78	10	0.4	6.4
R-IS-11-IHR	11/12/2025	2	11.9	6.3	8.4	77	10	0.4	6.4
R-IS-11-IHR	11/12/2025	3	11.9	6.3	8.3	77	10	0.4	6.4
R-IS-11-IHR	11/12/2025	4	11.9	6.4	8.3	77	10	0.4	6.4
R-IS-11-IHR	11/12/2025	5	11.9	6.3	8.3	77	10	0.4	6.4
R-IS-11-IHR	11/12/2025	6	11.9	6.3	8.3	77	10	0.4	6.4
R-IS-11-IHR	11/12/2025	7	11.9	6.3	8.2	76	10	0.4	6.4
R-IS-11-IHR	11/12/2025	8	11.8	6.3	8.2	76	10	0.4	6.4
R-IS-11-IHR	11/12/2025	9	11.8	6.3	8.1	75	10	0.4	6.4
R-IS-11-IHR	11/12/2025	10	11.8	6.3	8.1	75	10	0.4	6.4
R-IS-11-IHR	11/12/2025	11	11.8	6.3	8.1	74	10	0.4	6.4
R-IS-11-IHR	11/12/2025	12	11.6	6.2	7.5	69	10	0.4	6.4
R-IS-11-IHR	11/12/2025	13	11.4	6.1	7.1	65	10	0.5	6.4
R-IS-11-IHR	11/12/2025	14	10.5	6.0	5.6	50	10	0.4	6.4
R-IS-11-IHR	11/12/2025	15	9.9	5.8	4.4	39	10	0.6	6.4
R-IS-11-IHR	11/12/2025	16	8.9	5.8	3.9	34	10	0.5	6.4
R-IS-11-IHR	11/12/2025	17	7.8	5.6	3.9	32	9	0.5	6.4
Junction Reservoir									
R-IS-12-JR	11/10/2025	0	9.2	-[R]	10.2	88	9	0.8	12.3
R-IS-12-JR	11/10/2025	1	8.9	-[R]	10.2	88	9	0.8	12.3
R-IS-12-JR	11/10/2025	2	8.8	-[R]	10.2	88	9	0.9	12.3
R-IS-12-JR	11/10/2025	3	8.8	-[R]	10.2	88	9	0.9	12.3
R-IS-12-JR	11/10/2025	4	8.8	-[R]	10.2	88	9	0.9	12.3
R-IS-12-JR	11/10/2025	5	8.7	-[R]	10.2	88	9	0.9	12.3
R-IS-12-JR	11/10/2025	6	8.7	-[R]	10.2	88	9	0.9	12.3
R-IS-12-JR	11/10/2025	7	8.7	-[R]	10.2	88	9	0.9	12.3
R-IS-12-JR	11/10/2025	8	8.7	-[R]	10.2	88	9	0.9	12.3
R-IS-12-JR	11/10/2025	9	8.7	-[R]	10.2	88	9	0.9	12.3
R-IS-12-JR	11/10/2025	10	8.7	-[R]	10.2	88	9	0.8	12.3
R-IS-12-JR	11/10/2025	11	8.7	-[R]	10.2	88	9	0.9	12.3
R-IS-12-JR	11/10/2025	12	8.7	-[R]	10.2	88	9	0.9	12.3
R-IS-12-JR	11/10/2025	13	8.7	-[R]	10.2	88	9	0.9	12.3
R-IS-12-JR	11/10/2025	14	8.7	-[R]	10.2	88	9	0.9	12.3
R-IS-12-JR	11/10/2025	15	8.7	-[R]	10.2	87	9	0.9	12.3
R-IS-12-JR	11/10/2025	16	8.6	-[R]	10.2	87	9	0.9	12.3

Site ID	2025 Sample Date	Sample Depth (m)	Water Temperature (°C)	pH (s.u.)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (% sat)	Conductivity (uS/cm)	Turbidity (NTU)	Secchi Disk (m)
R-IS-12-JR	11/10/2025	17	8.5	-[R]	10.1	86	10	0.9	12.3
R-IS-12-JR	11/10/2025	18	8.4	-[R]	10.0	86	10	0.9	12.3
R-IS-12-JR	11/10/2025	19	8.4	-[R]	10.0	85	10	0.9	12.3
Camino Reservoir									
R-IS-13-CR	11/10/2025	0	8.9	-[R]	10.7	92	9	0.8	5.6
R-IS-13-CR	11/10/2025	1	8.9	-[R]	10.7	93	9	0.8	5.6
R-IS-13-CR	11/10/2025	2	8.9	-[R]	92.5	11	9	0.9	5.6
R-IS-13-CR	11/10/2025	3	8.9	-[R]	10.7	92	9	0.9	5.6
R-IS-13-CR	11/10/2025	4	8.9	-[R]	10.7	93	9	0.9	5.6
R-IS-13-CR	11/10/2025	5	8.9	-[R]	10.7	93	9	0.0	5.6
Slab Creek Reservoir									
R-IS-14-SC	11/11/2025	0	9.6	6.4	10.8	95	17	0.6	6.2
R-IS-14-SC	11/11/2025	1	9.6	6.5	10.8	95	17	0.1	6.2
R-IS-14-SC	11/11/2025	2	9.6	6.4	10.8	95	17	0.7	6.2
R-IS-14-SC	11/11/2025	3	9.5	6.4	10.8	95	17	0.7	6.2
R-IS-14-SC	11/11/2025	4	9.6	6.4	10.8	95	17	0.7	6.2
R-IS-14-SC	11/11/2025	5	9.5	6.4	10.8	94	18	0.6	6.2
R-IS-15-SC	11/11/2025	0	11.1	6.4	10.2	93	19	0.5	8.0
R-IS-15-SC	11/11/2025	1	11.1	6.4	10.2	93	19	0.5	8.0
R-IS-15-SC	11/11/2025	2	11.0	6.4	10.2	92	19	0.5	8.0
R-IS-15-SC	11/11/2025	3	10.9	6.5	10.2	92	19	0.6	8.0
R-IS-15-SC	11/11/2025	4	10.9	6.5	10.2	92	19	0.5	8.0
R-IS-15-SC	11/11/2025	5	10.9	6.5	10.2	92	19	0.5	8.0
R-IS-15-SC	11/11/2025	6	10.9	6.5	10.2	92	19	0.5	8.0
R-IS-15-SC	11/11/2025	7	10.9	6.5	10.2	92	19	0.5	8.0
R-IS-15-SC	11/11/2025	8	10.8	6.5	10.1	91	19	0.5	8.0
R-IS-15-SC	11/11/2025	9	10.8	6.5	10.1	91	19	0.5	8.0
R-IS-15-SC	11/11/2025	10	10.7	6.5	10.1	91	19	0.5	8.0
R-IS-15-SC	11/11/2025	11	10.6	6.4	10.0	90	19	0.5	8.0
R-IS-15-SC	11/11/2025	12	10.2	6.4	10.0	89	18	0.5	8.0
R-IS-15-SC	11/11/2025	13	10.1	6.4	10.1	89	18	0.5	8.0
R-IS-15-SC	11/11/2025	14	10.1	6.4	10.0	89	18	0.5	8.0
R-IS-15-SC	11/11/2025	15	10.1	6.4	10.1	90	18	0.5	8.0
R-IS-15-SC	11/11/2025	16	10.0	6.4	10.1	89	18	0.5	8.0
R-IS-15-SC	11/11/2025	17	10.1	6.4	10.2	90	19	0.6	8.0

Site ID	2025 Sample Date	Sample Depth (m)	Water Temperature (°C)	pH (s.u.)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (% sat)	Conductivity (uS/cm)	Turbidity (NTU)	Secchi Disk (m)
R-IS-15-SC	11/11/2025	18	10.0	6.4	10.1	90	20	0.6	8.0
R-IS-15-SC	11/11/2025	19	10.0	6.4	10.1	90	20	0.6	8.0
R-IS-15-SC	11/11/2025	20	10.1	6.5	10.1	90	21	0.6	8.0
R-IS-15-SC	11/11/2025	21	10.0	6.4	10.2	90	21	0.7	8.0
R-IS-15-SC	11/11/2025	22	10.0	6.5	10.1	90	21	0.6	8.0
R-IS-15-SC	11/11/2025	23	10.0	6.5	10.2	90	21	0.6	8.0
R-IS-15-SC	11/11/2025	24	10.0	6.5	10.1	90	21	0.7	8.0
R-IS-15-SC	11/11/2025	25	10.0	6.5	10.2	90	21	0.7	8.0
R-IS-15-SC	11/11/2025	26	10.0	6.5	10.2	91	20	0.6	8.0
R-IS-15-SC	11/11/2025	27	10.0	6.5	10.3	91	20	0.7	8.0
R-IS-15-SC	11/11/2025	28	10.0	6.5	10.3	91	20	0.7	8.0
R-IS-15-SC	11/11/2025	29	10.0	6.5	10.3	91	20	0.7	8.0
R-IS-15-SC	11/11/2025	30	9.9	6.4	10.3	91	19	0.8	8.0
R-IS-15-SC	11/11/2025	31	9.9	6.4	10.3	91	19	0.8	8.0
R-IS-15-SC	11/11/2025	32	9.9	6.4	10.3	92	19	0.7	8.0
R-IS-15-SC	11/11/2025	33	9.9	6.3	10.3	91	19	0.8	8.0
R-IS-15-SC	11/11/2025	34	9.9	6.3	10.3	91	19	0.8	8.0

Notes: °C = degree Celsius
% sat = percent saturation
uS/cm= microsiemen per centimeter
m = meter
mg/L = milligram per liter
NTU = nephelometric turbidity unit
s.u. = standard unit of pH

[R] Data were rejected because the post-sampling calibration check measurement quality objectives for acceptability or qualification were not met (see Appendix A for detailed calibration data).

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APPENDIX E

In Situ Vertical Profiles for Upper American River Project Reservoir Sites

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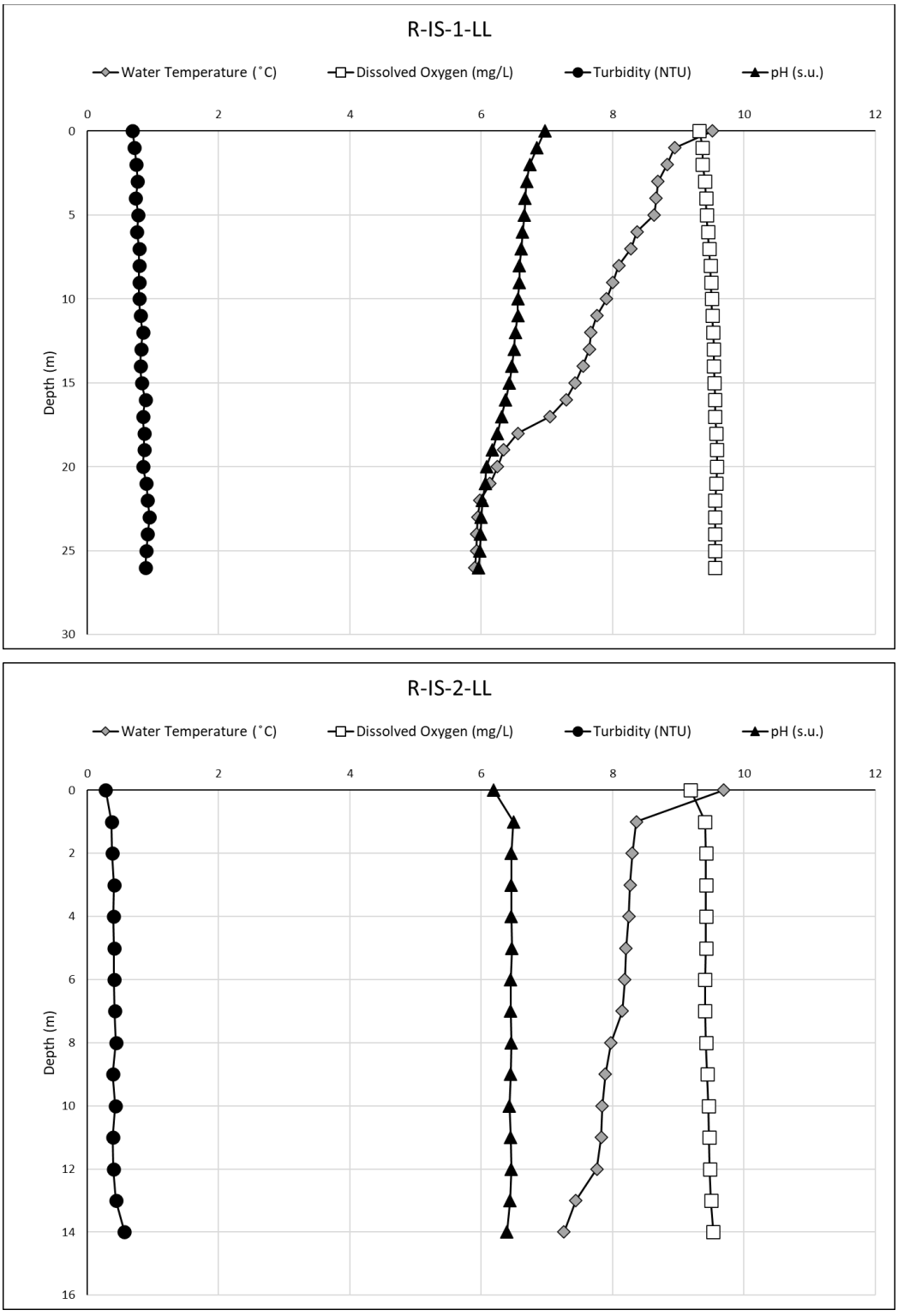


Figure E-1. ***In situ*** **water temperature, dissolved oxygen, turbidity and pH at Loon Lake Reservoir Site R-IS-1-LL and Site R-IS-2-LL, spring 2025.**

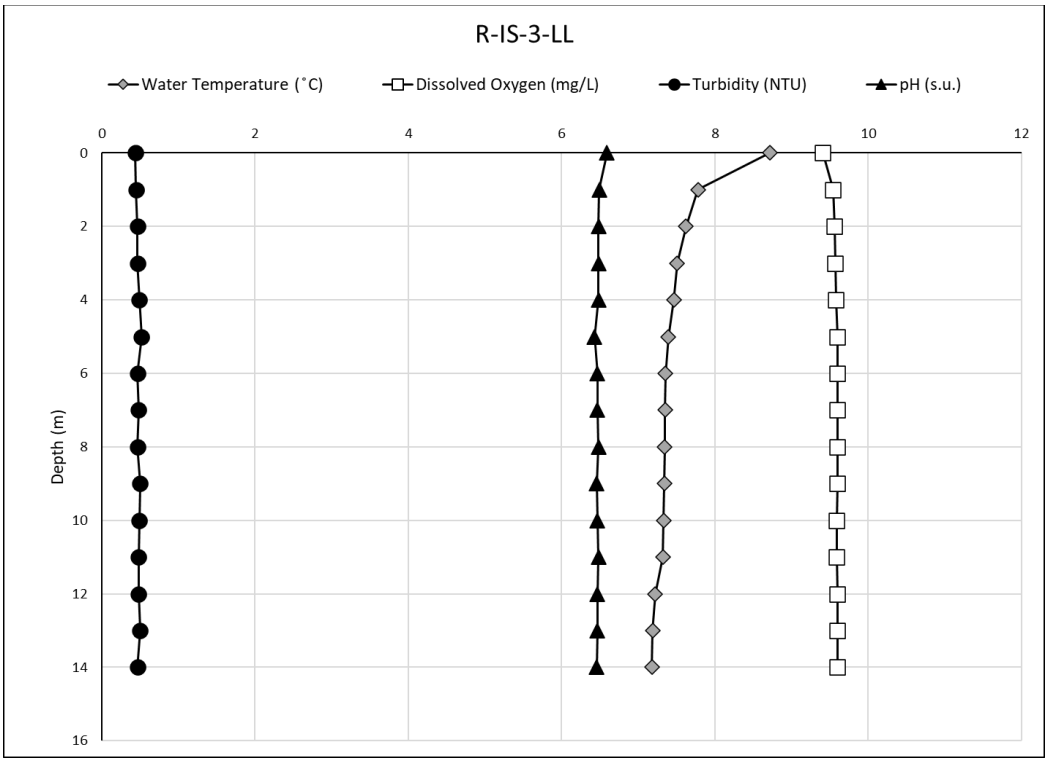


Figure E-2. *In situ* water temperature, dissolved oxygen, turbidity and pH at Loon Lake Reservoir Site R-IS-3-LL, spring 2025.

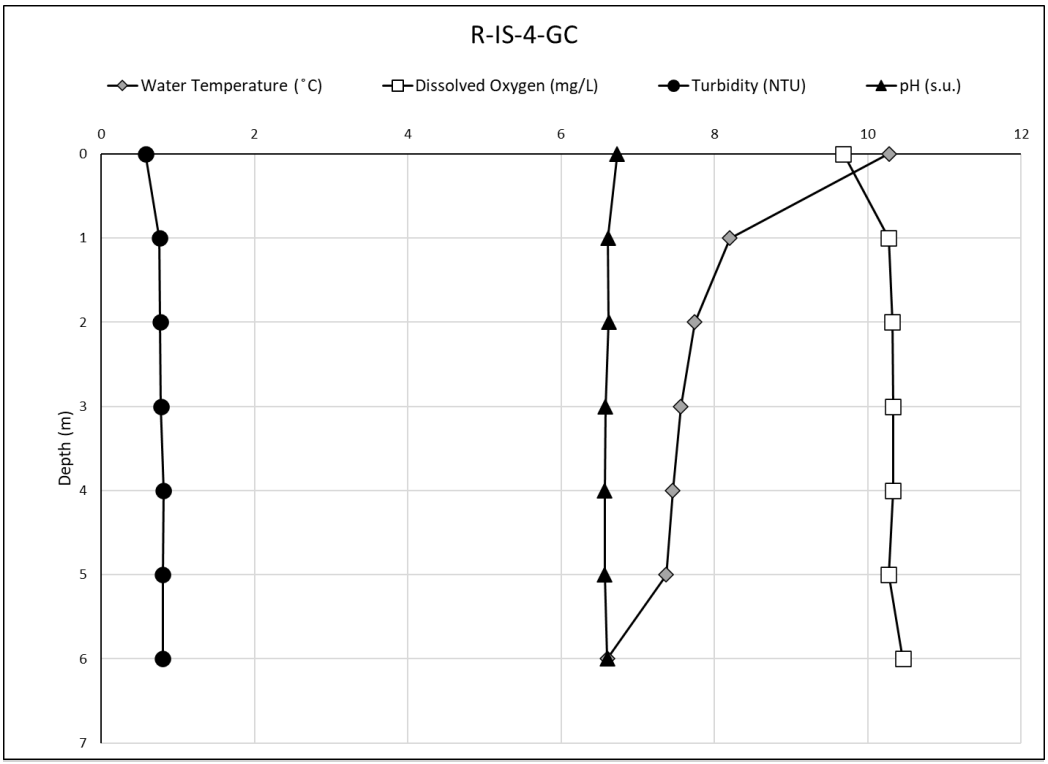


Figure E-3. *In situ* water temperature, dissolved oxygen, turbidity and pH at Gerle Creek Reservoir Site R-IS-4-GC, spring 2025.

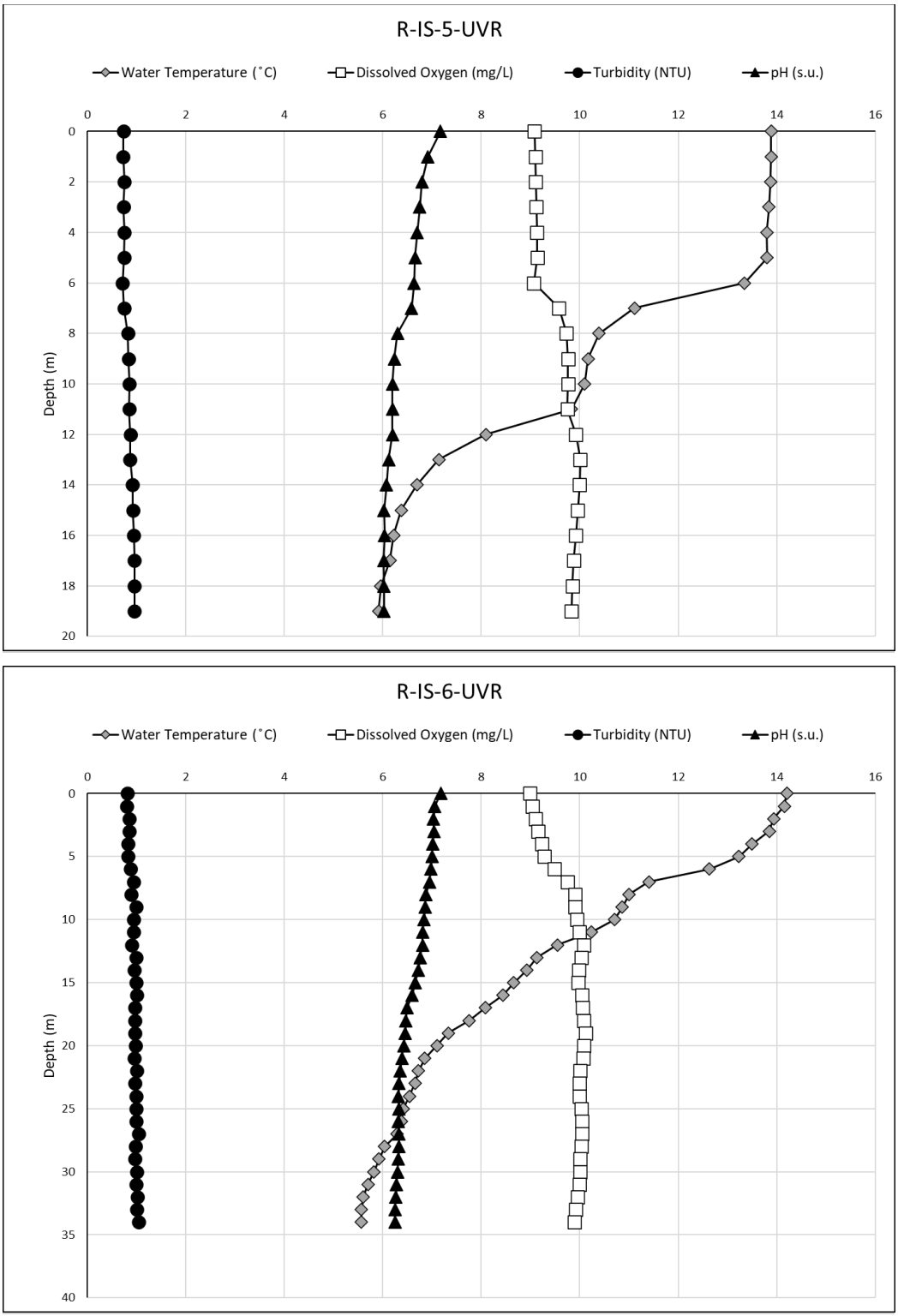


Figure E-4. *In situ* water temperature, dissolved oxygen, turbidity and pH at Union Valley Reservoir Site R-IS-5-UVR and Site R-IS-6-UVR, spring 2025.

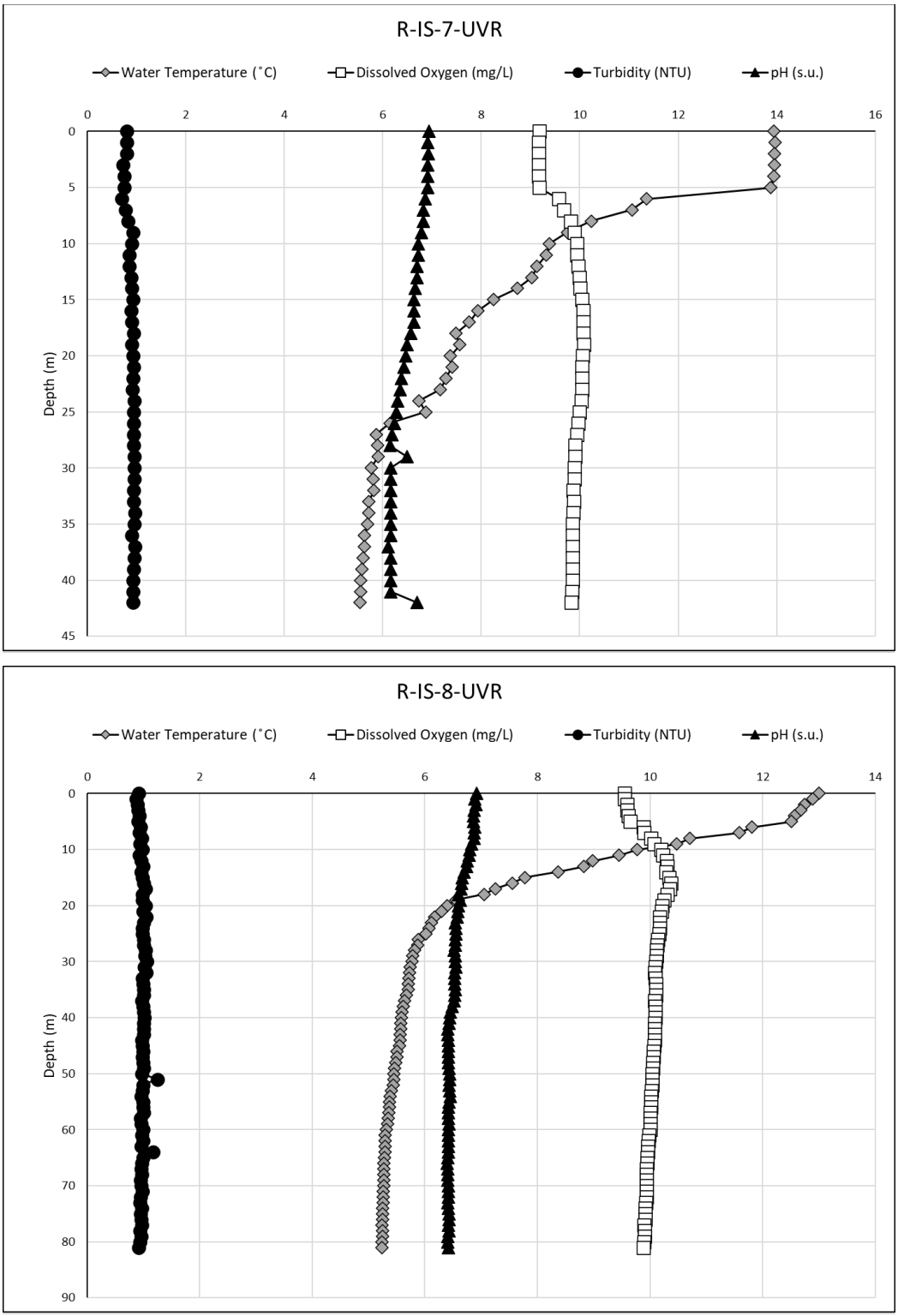


Figure E-5. *In situ* water temperature, dissolved oxygen, turbidity and pH at Union Valley Reservoir Site R-IS-7-UVR and Site R-IS-8-UVR, spring 2025.

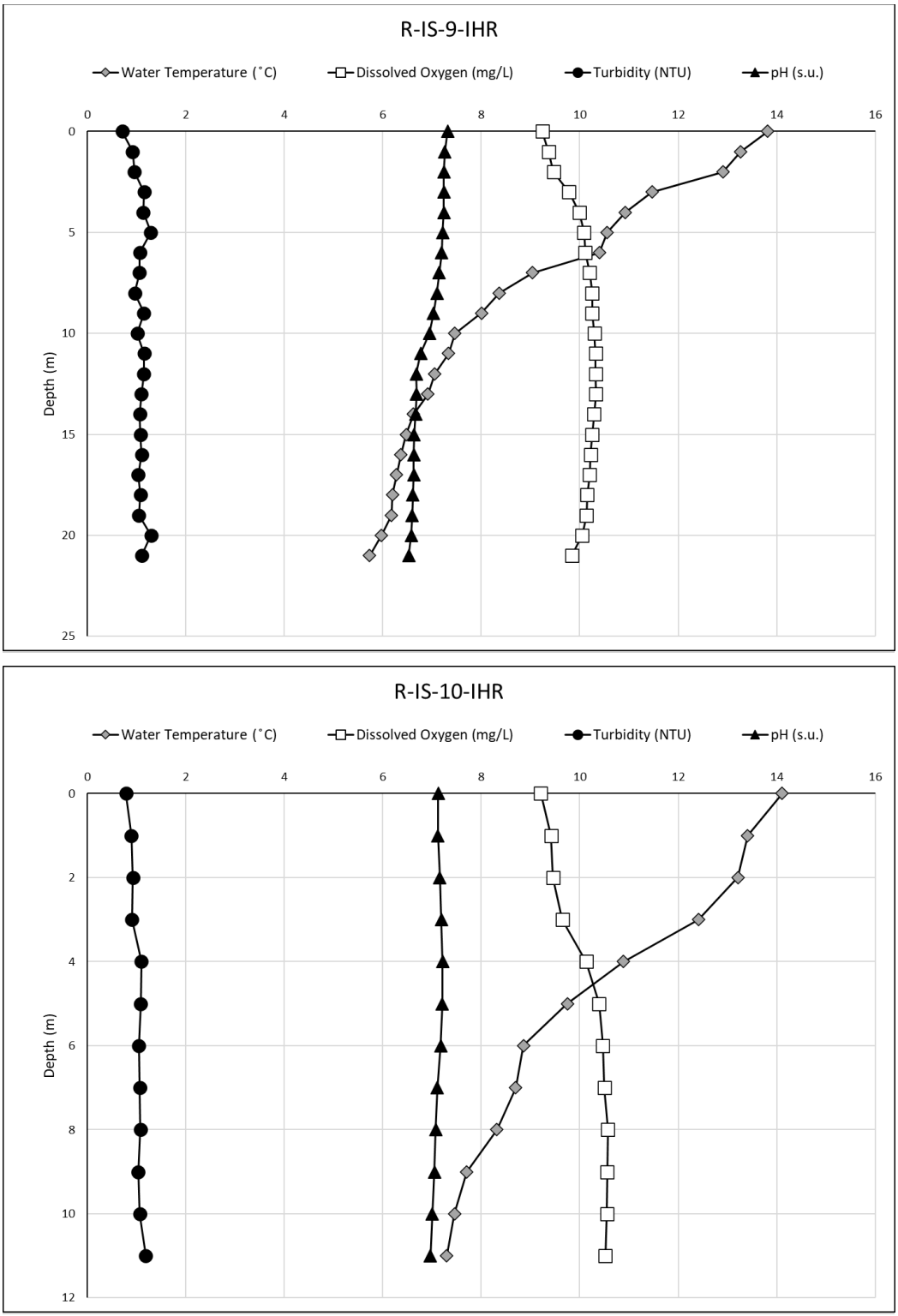


Figure E-6. *In situ* water temperature, dissolved oxygen, turbidity and pH at Ice House Reservoir Site R-IS-9-IHR and Site R-IS-10-IHR, spring 2025.

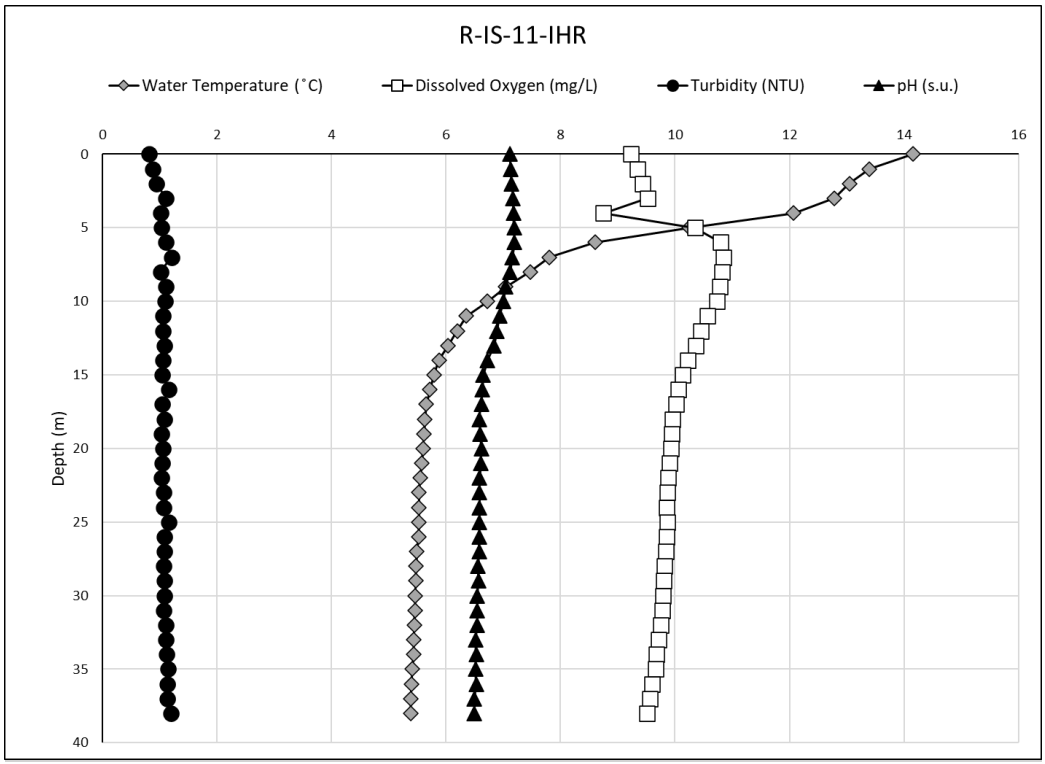


Figure E-7. *In situ* water temperature, dissolved oxygen, turbidity and pH at Ice House Reservoir Site R-IS-11-IHR, spring 2025.

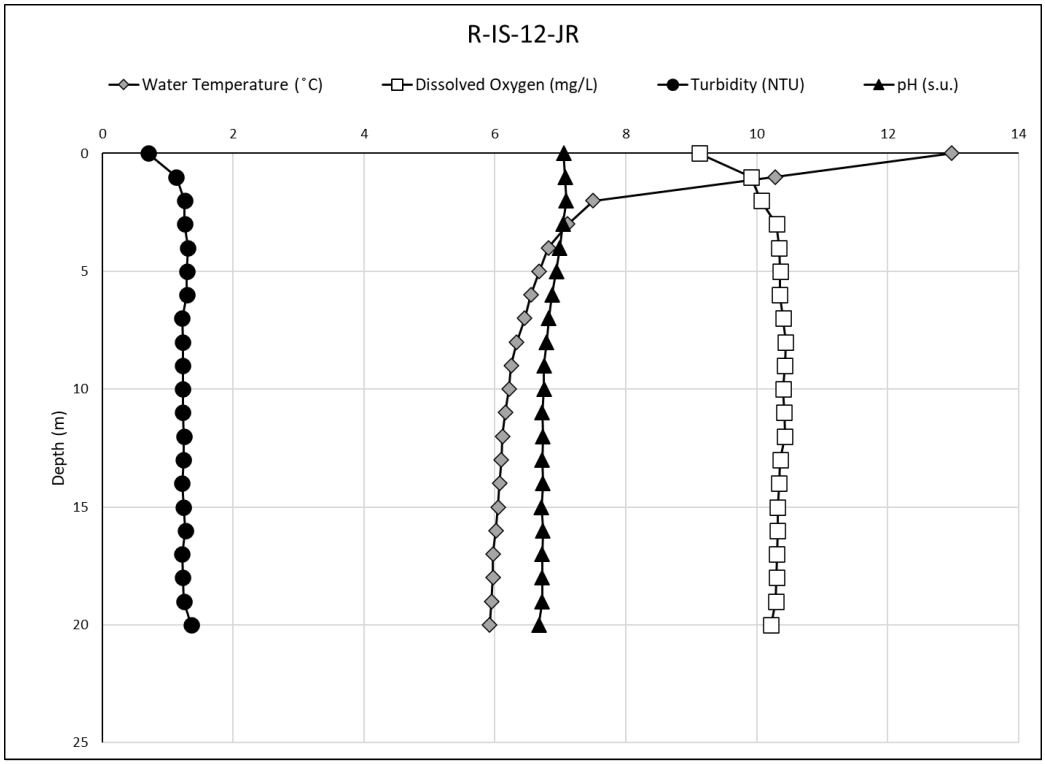


Figure E-8. *In situ* water temperature, dissolved oxygen, turbidity and pH at Junction Reservoir Site R-IS-12-JR, spring 2025.

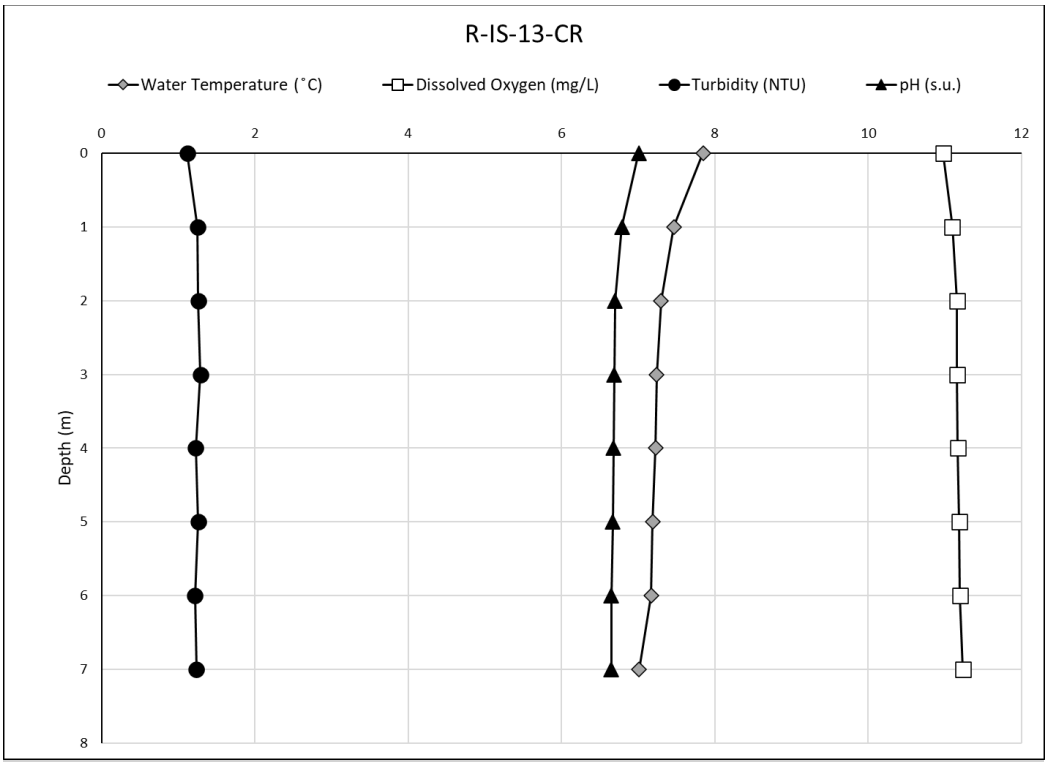


Figure E-9. *In situ* water temperature, dissolved oxygen, turbidity and pH at Camino Reservoir Site R-IS-13-CR, spring 2025.

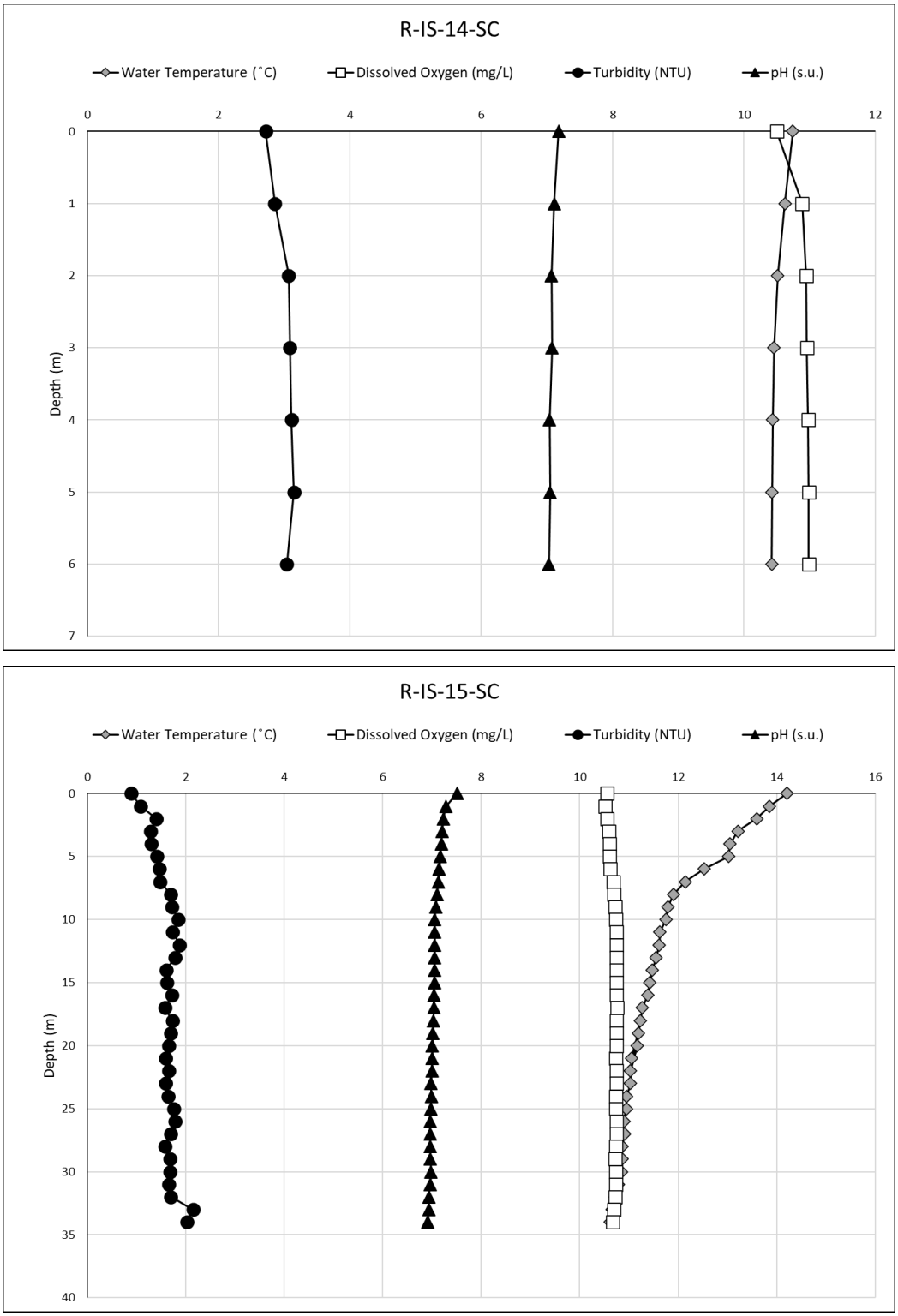


Figure E-10. *In situ* water temperature, dissolved oxygen, turbidity and pH at Slab Creek Reservoir Site R-IS-14-SC and Site R-IS-15-SC, spring 2025.

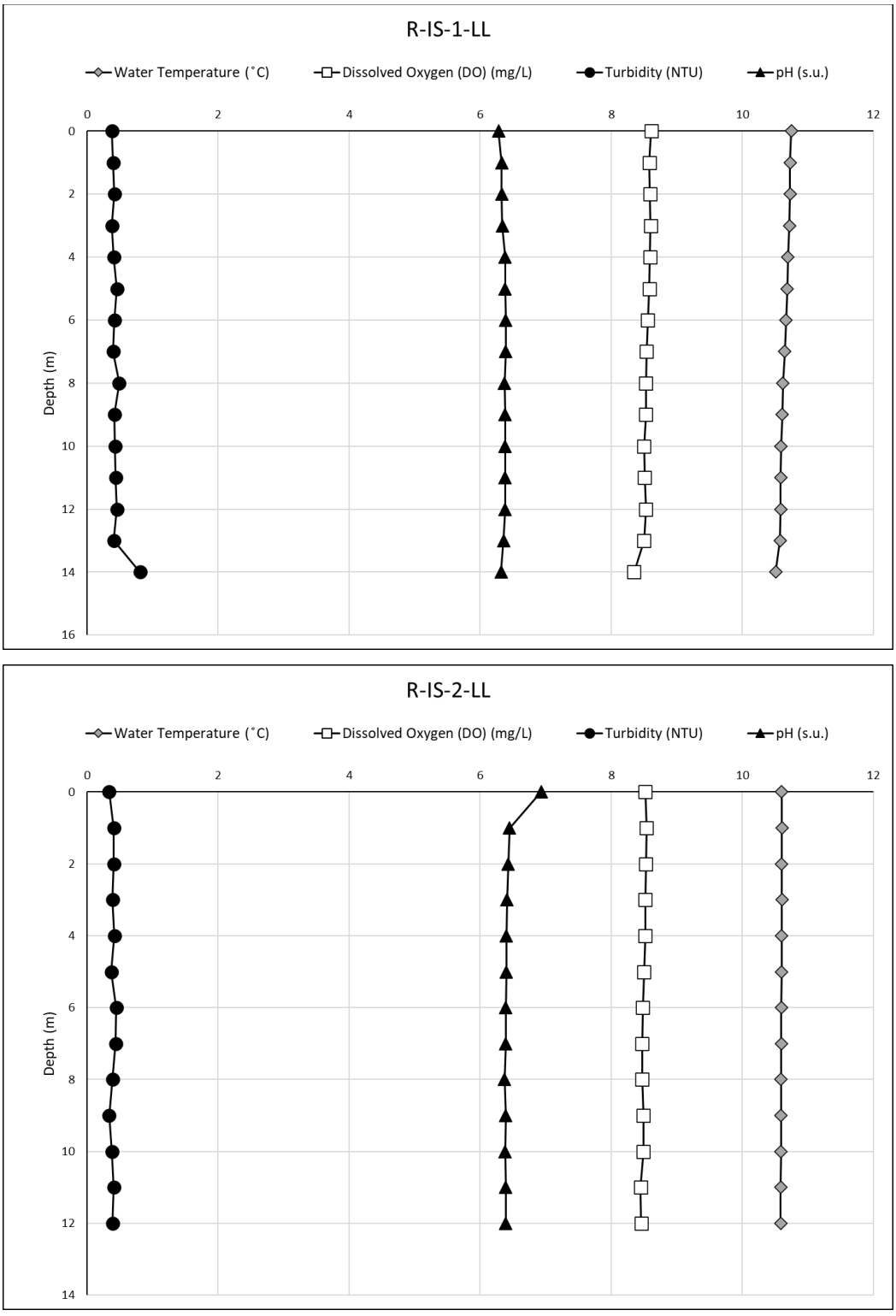


Figure E-11. *In situ* water temperature, dissolved oxygen, turbidity and pH at Loon Lake Reservoir Site R-IS-1-LL and Site R-IS-2-LL, fall 2025.

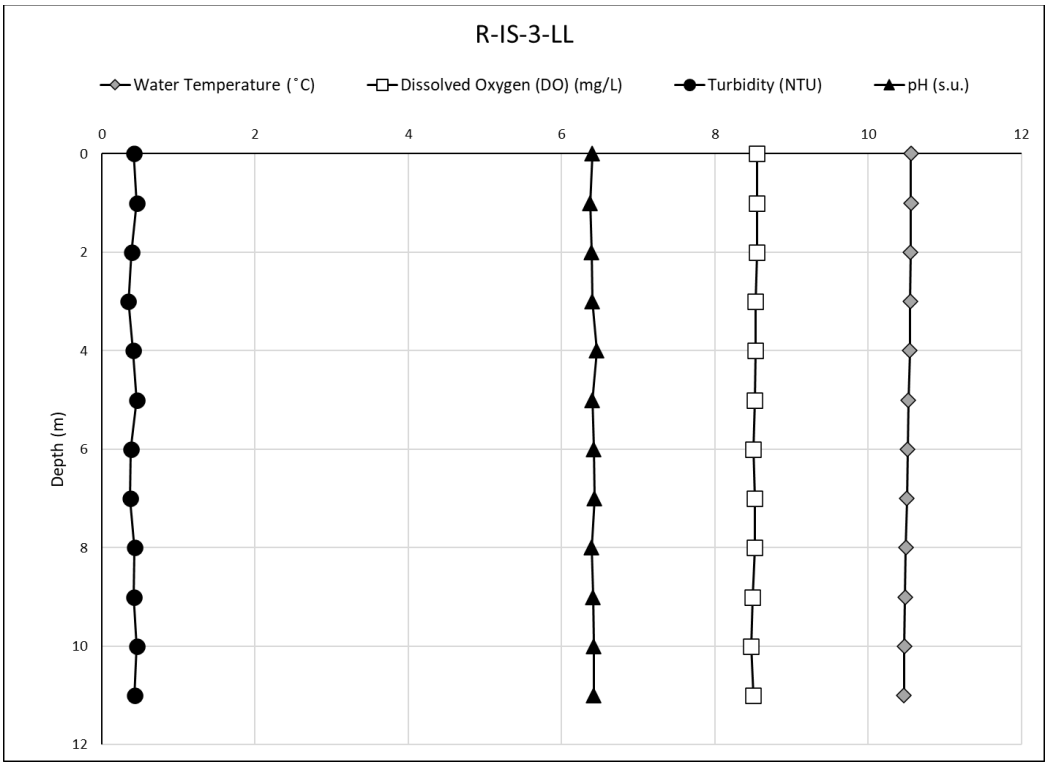


Figure E-12. *In situ* water temperature, dissolved oxygen, turbidity and pH at Loon Lake Reservoir Site R-IS-3-LL, fall 2025.

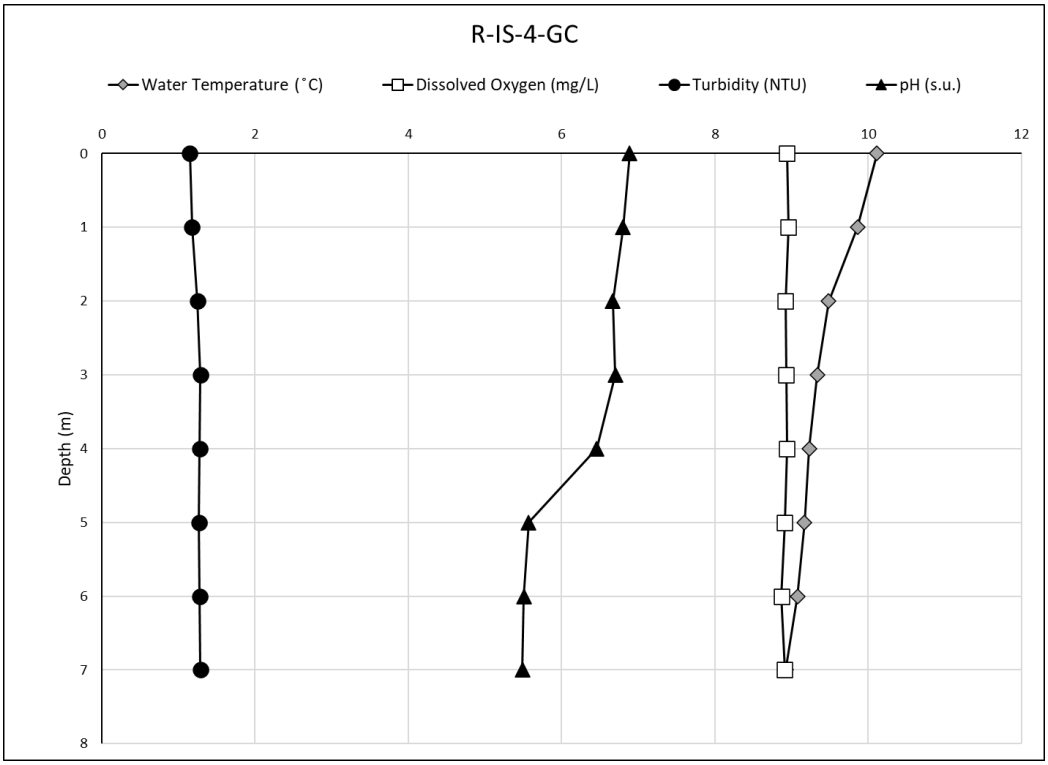


Figure E-13. *In situ* water temperature, dissolved oxygen, turbidity and pH at Gerle Creek Reservoir Site R-IS-4-GC, fall 2025.

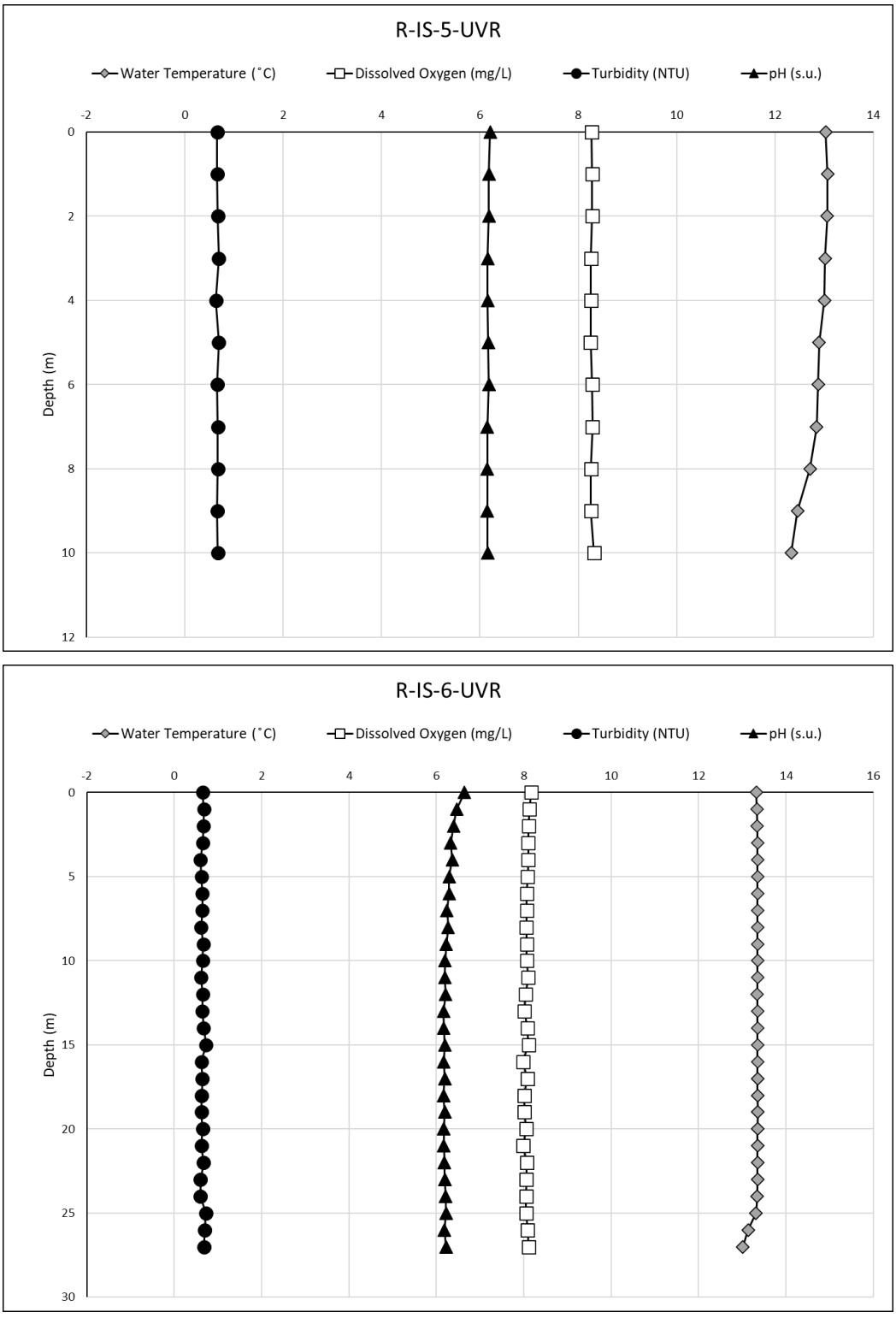


Figure E-14. *In situ* water temperature, dissolved oxygen, turbidity and pH at Union Valley Reservoir Site R-IS-5-UVR and Site R-IS-6-UVR, fall 2025.

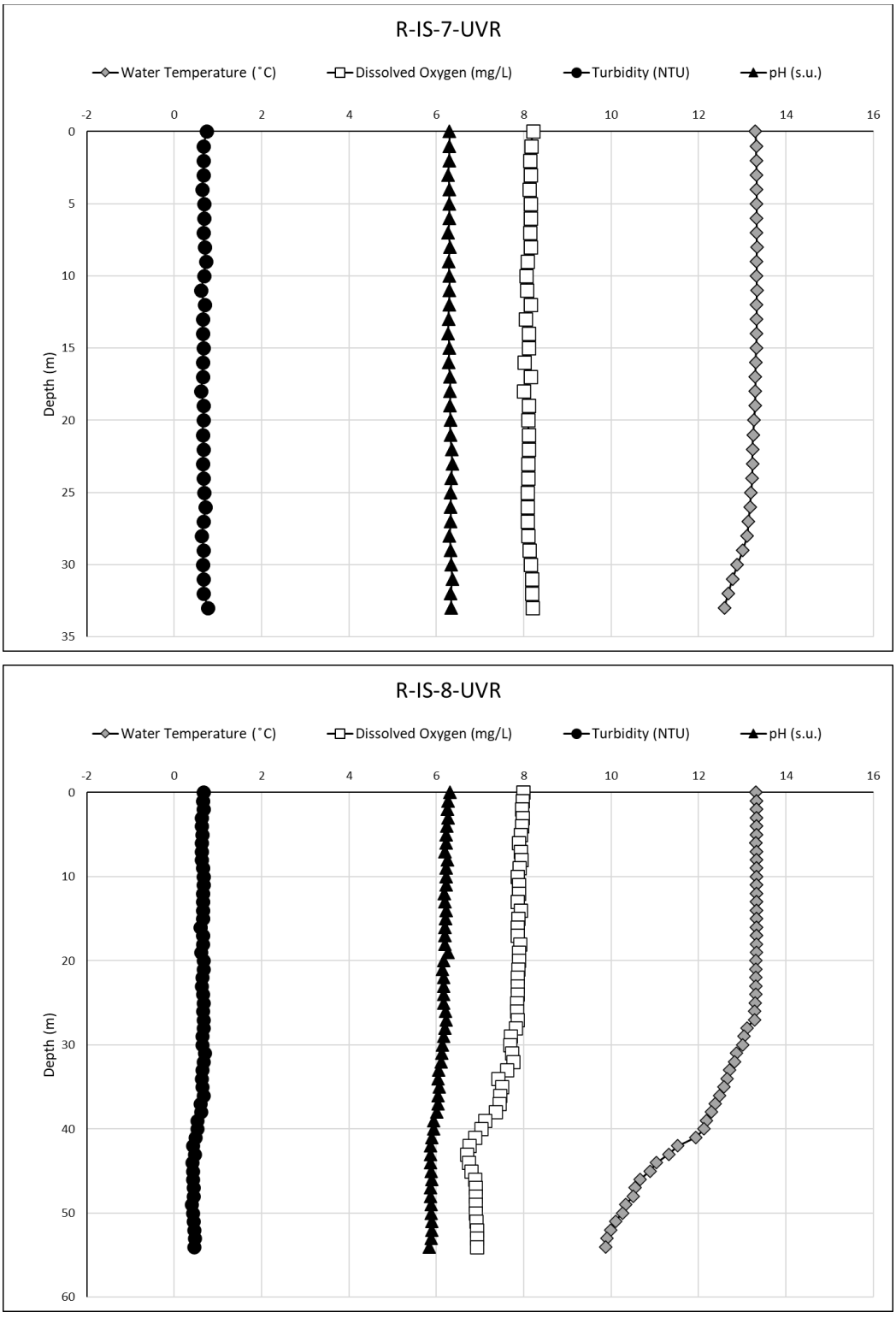


Figure E-15. *In situ* water temperature, dissolved oxygen, turbidity and pH at Union Valley Reservoir Site R-IS-7-UVR and Site R-IS-8-UVR, fall 2025.

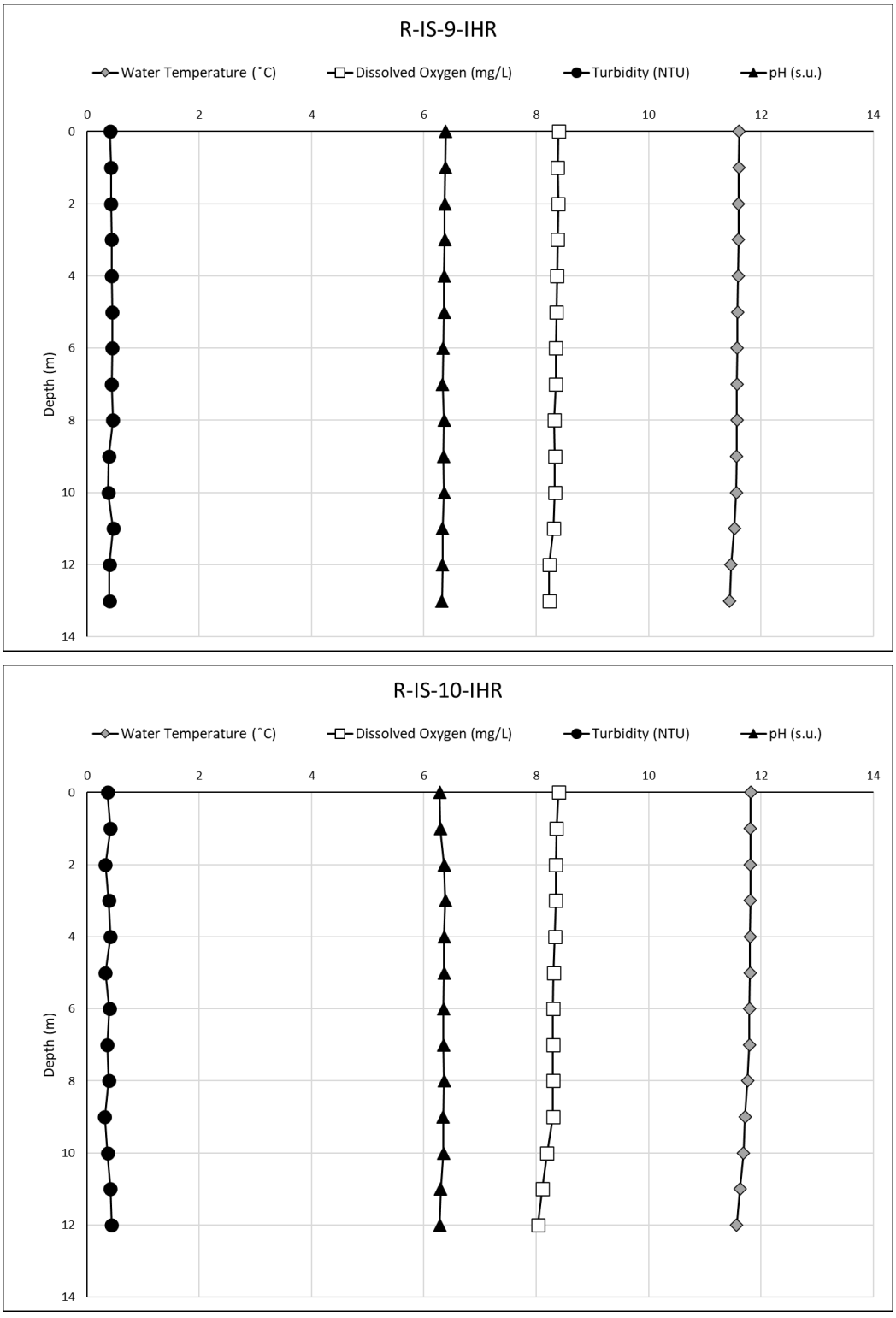


Figure E-16. *In situ* water temperature, dissolved oxygen, turbidity and pH at Ice House Reservoir Site R-IS-9-IHR and Site R-IS-10-IHR, fall 2025.

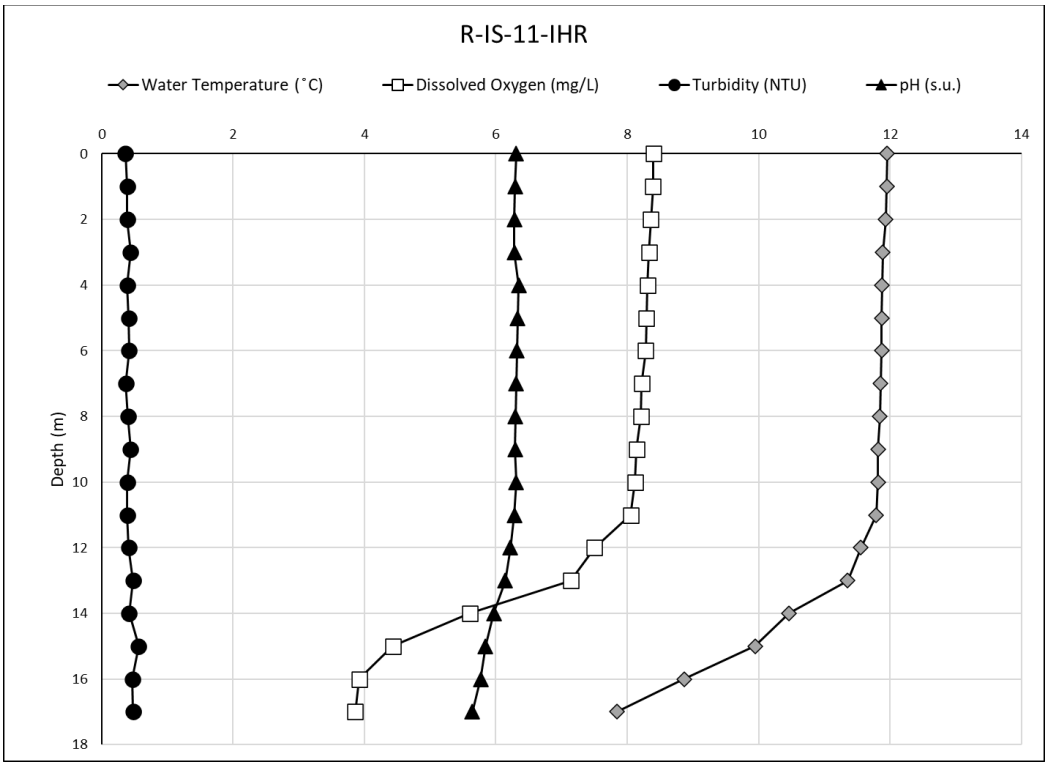
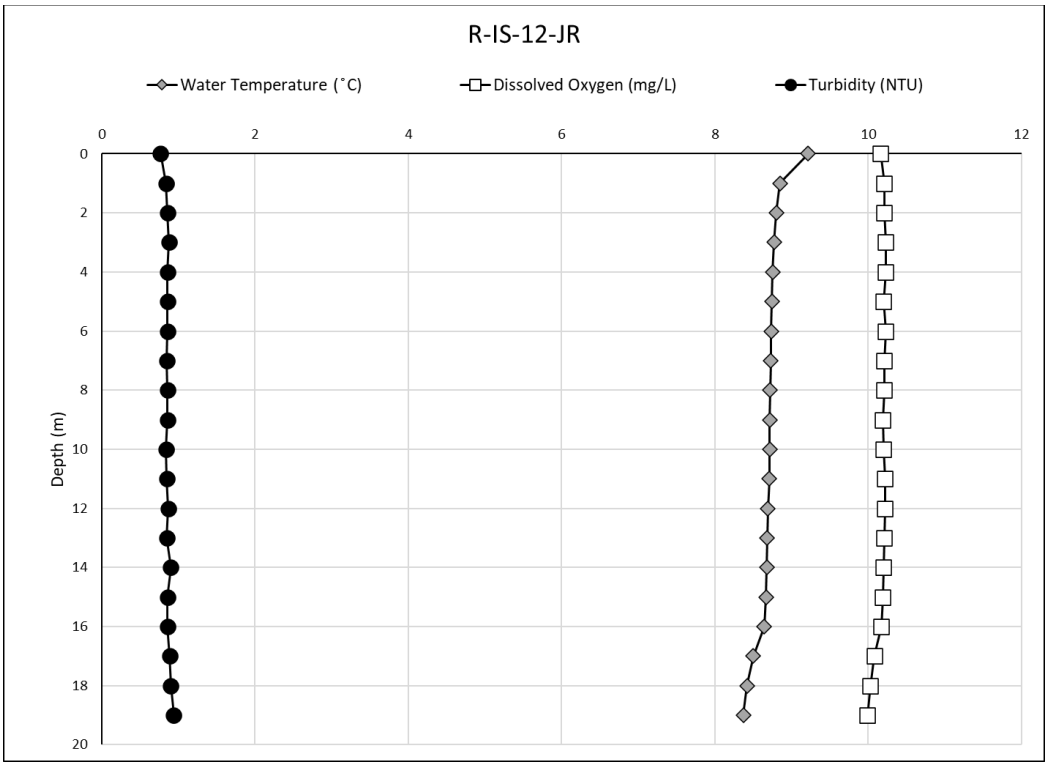
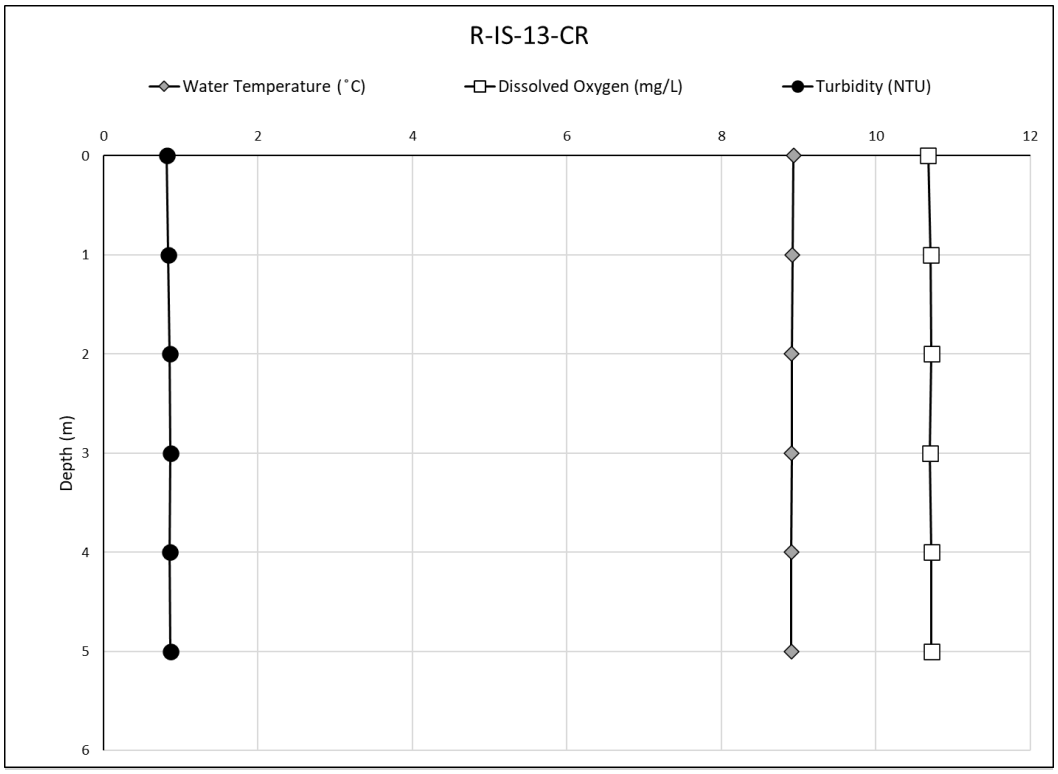


Figure E-17. *In situ* water temperature, dissolved oxygen, turbidity and pH at Ice House Reservoir Site R-IS-11-IHR, fall 2025.



Note: The pH data were rejected because the post-sampling calibration check measurement quality objectives for acceptability or qualification were not met.

Figure E-18. *In situ* water temperature, dissolved oxygen, turbidity and pH at Junction Reservoir Site R-IS-12-JR, fall 2025.



Note: The pH data were rejected because the post-sampling calibration check measurement quality objectives for acceptability or qualification were not met.

Figure E-19. *In situ* water temperature, dissolved oxygen, turbidity and pH at Camino Reservoir Site R-IS-13-CR, fall 2025.

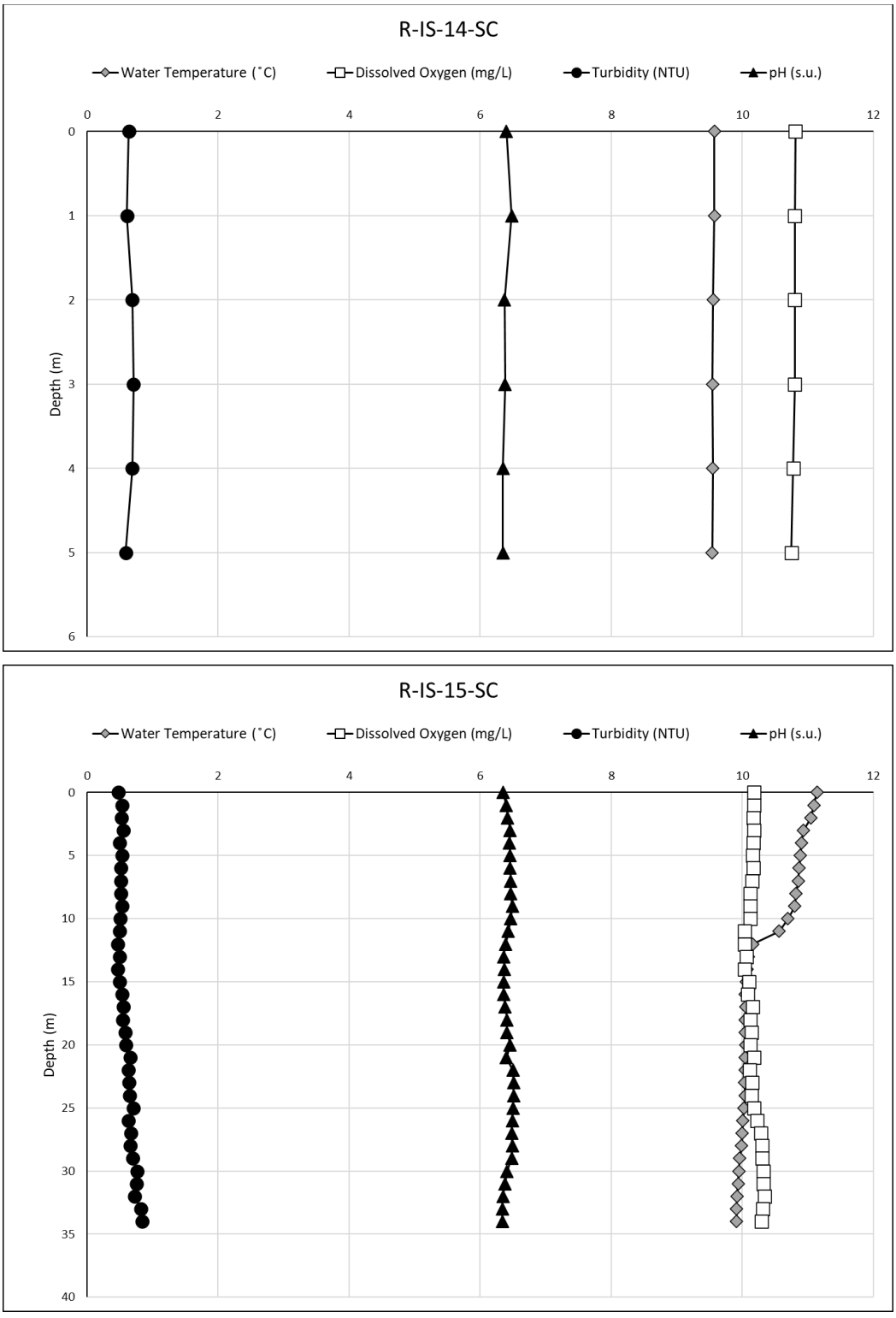


Figure E-20. *In situ* water temperature, dissolved oxygen, turbidity and pH at Slab Creek Reservoir Site R-IS-14-SC and Site R-IS-15-SC, fall 2025.

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APPENDIX F

Bacteria Results for
Upper American River Project Reservoir Sites

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Table F-1. Bacteria (MPN/100mL) for Upper American River Project Sites during the 30-day Period Surrounding Independence Day.

Site ID	Sample 1		Sample 2		Sample 3		Sample 4		Sample 5		Fecal Coliform Geometric Mean[1]	*E. coli* Geometric Mean[1]
	Fecal Coliform	*E. coli*	Fecal Coliform	*E. coli*	Fecal Coliform	*E. coli*	Fecal Coliform	*E. coli*	Fecal Coliform	*E. coli*		
Bac-7-UVR	4.5	<1	13	4.1	31	38.4	<1.8	2	350	488.4	14.2	9.5
Bac-10-UVR	<1.8	1	<1.8	1	23	20.1	<1.8	2	7.8	10.9	2.7	3.4
Bac-11-JR	7.8	1	7.8	3	7.8	5.2	2	2	2	1	4.5	2
Bac-13-IHR	<1.8	<1	<1.8	3.1	<1.8	1	<1.8	<1	2	<1	1.1	0.8
Bac-15-SCR	27	14.8	33	12.1	<1.8	<1	33	36.4	13	41.4	12.8	10.6
MDL	1.8	1.0	1.8	1.0	1.8	1.0	1.8	1.0	1.8	1.0	-	-
RL	1.8	1.0	1.8	1.0	1.8	1.0	1.8	1.0	1.8	1.0	-	-

Notes: < = less than
E. coli = *Escherichia coli*
MDL = method detection limit
mL = milliliter
MPN = most probable number
RL = method reporting limit

[1] Individual results less than the MDL were treated as 0.5 x MDL for the geometric mean calculations.

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