

SOUTH BAY OCEAN OUTFALL MONTHLY RECEIVING WATERS MONITORING REPORT

SOUTH BAY WATER RECLAMATION PLANT

NPDES Permit No. CA0109045
SDRWQCB Order No. R9-2021-0011

AUGUST 2023

Environmental Monitoring and Technical Services
2392 Kincaid Road • Mail Station 45A • San Diego, CA 92101
Tel (619) 758-2300 Fax (619) 758-2309



September 30, 2023

Mr. David W. Gibson, Executive Officer
California Regional Water Quality Control Board
San Diego Region
2375 Northside Drive, Suite 100
San Diego, CA 92108

Attention: POTW Compliance Unit

Dear Mr. Gibson:

Enclosed is the August 2023 Monthly Receiving Waters Monitoring Report for the Point Loma Ocean Outfall, Point Loma Wastewater Treatment Plant as required per Order No. R9-2017-0007, NPDES Permit No. CA0107409.

This report includes raw ocean monitoring data and summaries of water quality parameters and ocean conditions measured during the month for the Point Loma outfall region. Also included are summaries of compliance with the bacterial water-contact standards specified in the California Ocean Plan.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,



Peter S. Vroom, Ph. D.
Deputy Director, Public Utilities Department

PV/rk

cc: U.S. Environmental Protection Agency, Region 9

INTRODUCTION

Monthly reports of water quality and ocean conditions from Playa Blanco, Mexico to Coronado, USA are submitted to the San Diego Regional Water Quality Control Board and U.S. EPA Region 9 in accordance with Order No. R9-2021-0011, NPDES Permit No. CA0109045, for the South Bay Water Reclamation Plant (SBWRP), South Bay Ocean Outfall (SBOO). This report includes receiving waters monitoring data collected from all shore, kelp and offshore stations specified in the above order. Data for influent and effluent monitoring activities for the SBWRP are presented in separate reports.

MATERIALS AND METHODS

Shore Stations

Water quality monitoring was conducted at 11 stations located along the shore from Playa Blanca, Mexico to Coronado, USA (see station locations map). Three sites are located south of the international border (stations S0, S2, S3), while eight sites are in the United States (stations S4–S6 and S8–S12).

Seawater samples were collected from the surf zone at each station on a weekly basis. These samples were subsequently transported to the City’s Marine Microbiology Laboratory and analyzed for the presence of total coliform, fecal coliform, and *Enterococcus* bacteria. Visual observations of water color and clarity, surf height, human or animal activity, and weather conditions were recorded at the time of sample collection. Wind speed and direction were measured using a hand-held anemometer with a compass.

Kelp Bed Stations

Seven kelp bed and other nearshore stations (I19, I24, I25, I26, I32, I39, I40; collectively referred to as “kelp” stations herein) were sampled four times during the month according to NPDES permit specifications. Six stations (I19, I24, I25, I26, I32, I40) are located along the 9-m depth contour, and one (I39) is located along the 18-m depth contour. Three of these stations, I25, I26, and I39, were selected based on their proximity to suitable substrates for the Imperial Beach kelp bed (see station locations map); however, this kelp bed has been historically transient and variable in terms of size and density. Thus, these three stations are only occasionally located within an area where kelp is actually found.

The seven kelp stations are sampled on a weekly basis during the month. Routine monitoring at each kelp site consists of collecting seawater samples at three discrete depths for bacteriological analyses (total coliforms, fecal coliforms, and *Enterococcus* bacteria) and generating water column profiles of various physical/chemical parameters, including water temperature, salinity, density, dissolved oxygen, pH, chlorophyll *a*, and transmissivity. Visual observations of weather and water conditions are also recorded at all stations.

Seawater samples at the kelp bed stations are primarily collected using a CTD-integrated rosette sampler with Niskin bottles. Aliquots for bacteriological analyses were drawn from these bottles into sterile sample bottles for processing at the City’s Marine Microbiology Laboratory. Water column profiles of the various physical/chemical parameters were taken using a CTD. The CTD collected these physical/chemical data at a rate ≥ 4 scans per second. The data were then internally averaged using the CTD proprietary software, Seasoft, to create water column profiles equivalent

to one reading per meter. Additionally, CTD profile data for each water sample depth are presented with the bacteriological data.

Offshore Stations

Quarterly offshore water quality sampling is typically conducted over three days during February, May, August, and November for a total of 40 stations during each month (see station locations map). These offshore stations (I1–I40) are arranged in a grid surrounding the discharge site, and are generally located along the 9, 19, 28, 38, and 55-m depth contours. The seven offshore sites designated as kelp bed stations (described above) are included as part of the monthly offshore water quality sampling, however the data from these seven stations are reported within the kelp bed station section of the report with the other four days of kelp bed water quality sampling. Monitoring at all sites included measurements of various physical/chemical parameters, including water temperature, salinity, density, dissolved oxygen, pH, chlorophyll *a*, transmissivity, and chromomorphous dissolved organic matter (CDOM). Visual observations of weather and water conditions were also recorded at all stations. Seawater samples for the analysis of indicator bacteria, suspended solids, and oil and grease concentrations were collected at 28 of the stations.

At these offshore stations, water samples for bacteriological analyses were collected using a rosette sampler with Niskin bottles. Measurements of the physical/chemical parameters listed above were taken using a Sea-Bird CTD. Additionally, CTD profile data for depths closest to those at which bacteriological samples were collected were extracted from the CTD profiles and are presented with the bacteriological data.

Bacteriological Reporting and Quality Assurance

Estimated values for bacteriological analyses are denoted by greater than (>), less than (<), or estimated (e) qualifiers and result from plates with colony counts above or below the permissible counting limits established in Bordner et al. (1978)¹. This document defines membrane filtration limits of 20–80 colonies per plate for total coliforms and 20–60 colonies per plate for fecal coliforms and *Enterococcus*. No Data (ND) is reported if plate counts from all dilutions have a total colony count of >200 per plate.

Results of the bacteriological analysis of seawater samples collected from each of the shore, kelp bed, and offshore stations located within State waters are assessed relative to the water-contact standards specified in the 2019 California Ocean Plan (Ocean Plan). The six standards are defined as follows:

Water-Contact Objectives

Fecal coliform:

- (1) The 30-day geometric mean (GM) of fecal coliform density not to exceed 200 CFU/100 mL, calculated based on the five most recent samples from each site
- (2) The single sample maximum (SSM) not to exceed 400 CFU/100 mL

Enterococci:

- (1) The six-week rolling GM of *Enterococci* not to exceed 30 CFU/100 mL, calculated weekly
- (2) The statistical threshold value (STV) of 110 CFU/100 mL not to be exceeded by more than 10 percent of the samples collected in a calendar month, calculated in a static manner

¹ Bordner, R., J. Winter, and P. Scarpino (eds.). (1978). Microbiological Methods for Monitoring the Environment: Water and Wastes, EPA Research and Development, EPA-600/8-78-017. 337 p.

Shellfish Harvesting Standards

Total coliform:

- (1) The median total coliform density shall not exceed 70 CFU/100 mL
- (2) The STV of 230 CFU/100 mL not to be exceeded by more than 10 percent of the samples collected in a calendar month, calculated in a static manner

Compliance with the seven Ocean Plan standards are summarized below for the stations located in USA waters. In contrast, no such compliance summaries are presented for the three shore stations located in Mexican waters south of the International Border (i.e., S0, S2, and S3) since this region is not subject to the Ocean Plan standards.

Quality controls of bacteriological data include laboratory and field duplicate analyses. Laboratory duplicates are performed on approximately 10% of the water quality samples, while field duplicates are performed six times a month (see Appendix A). Laboratory duplicates represent two aliquots of the original sample that are split in the laboratory and analyzed by the same analyst using identical procedures within the same analytical run. The results of these analyses provide a measure of intra-analyst precision. In contrast, field duplicates represent two separate samples collected at the same time from the same site, which are handled under identical circumstances and treated exactly the same throughout field and lab procedures. The results of these analyses provide a measure of precision associated with sample collection, preservation, storage, and lab procedures. The sign test (see Gilbert, 1987²) is used to statistically compare both the results from the laboratory duplicates, as well as the results from the field duplicates. These data will be further analyzed in the City's 2023 Quality Assurance Report, which will be completed in March 2024.

SUMMARY OF RESULTS

➤ Shoreline Water Quality Sampling

- Due to site access restrictions in Mexico, the South Bay shoreline sampling is typically carried out on the same day each week (i.e., Tuesday) to coordinate sampling between the Mexican and USA based stations. Seawater samples at the three shore stations located south of the USA/Mexico border (i.e., stations S0, S2 and S3) are presently collected by the Comisión Internacional de Límites y Aguas (CILA) and transported to the USIBWC for subsequent delivery to the City's Marine Microbiology Lab, while samples from the eight stations located in USA waters are sampled by City staff.
- During August, each of the eight shore stations located north of the border was out of compliance with the 2019 California Ocean Plan (Ocean Plan) water contact standards on one or more days as follows:
 - The 30-day running geometric mean standard for fecal coliforms was exceeded at stations S5, S6, S11, and S12.
 - The single sample maximum (SSM) standard for fecal coliforms was exceeded at stations S4, S5, S6, S8, S9, S10, S11, and S12.
 - The 6-week running geometric mean standard for *Enterococcus* was exceeded at stations S4, S5, S6, S9, S11, and S12.

² Gilbert, R.O. (1987). Statistical Methods for Environmental Pollution Monitoring. Van Nostrand Reinhold Co., New York.

- The statistical threshold value (STV) standard for *Enterococcus* was exceeded at stations S4, S5, S6, S8, S9, S10, S11, and S12.
 - The 30-day running median standard for total coliforms was exceeded at stations S4, S5, S6, S8, S9, S10, S11, and S12.
 - The STV standard for total coliforms was exceeded at stations S4, S5, S6, S8, S9, S10, S11, and S12.
- A sewage-like odor was observed at station S9 on August 15.
- Historical analyses of Ocean Plan compliance rates for the South Bay outfall shore and kelp monitoring stations, combined with the results of satellite imagery data, suggest that outflows from the Tijuana River and Los Buenos Creek, as well as surface runoff during or after rain events (storms), are likely to be the cause of impacted water quality along the shore and in near shore recreational waters in the South Bay region. See the City of San Diego’s most recent *Biennial Receiving Waters Monitoring and Assessment Report for the Point Loma and South Bay Ocean Outfalls* for details (<https://www.sandiego.gov/public-utilities/sustainability/ocean-monitoring/reports>).

➤ **Kelp Bed Water Quality Sampling**

- The seven kelp bed water quality stations (I19, I24, I25, I26, I32, I39, I40) were sampled on August 4, 7, 14, 23, and 28.
- During August, each of the seven kelp bed stations were out of compliance with the various 2019 Ocean Plan water contact standards on one or more days as follows:
 - The SSM standard for fecal coliforms was exceeded at stations I24, I26, I32, and I39.
 - The STV standard for *Enterococcus* was exceeded at stations I19, I24, I25, I26, I32, I39, and I40.
 - The 30-day running median standard for total coliforms was exceeded at stations I24, I25, I26, I32, and I40.
 - The STV standard for total coliforms was exceeded at stations I19, I24, I25, I26, I32, I39, and I40.
- Water column temperatures ranged from 12.71 to 21.68°C. The difference between surface and bottom waters ranged from 0.9 to 7.06°C.
- Concentrations of chlorophyll *a* ranged from 0.44 to 14.36 µg/L at the kelp bed stations.
- Nothing of sewage origin was observed at SBOO kelp stations in August.

➤ **Offshore Water Quality Sampling**

- Quarterly offshore water quality sampling was conducted over three days during the month (i.e., August 8, 9, 10).
- During August, two of the ten offshore stations located within State jurisdictional waters (i.e., I12, I14, I16, I18, I22, I23, I33, I36–I38) were out of compliance with the various 2019 Ocean Plan water contact standards on one or more days as follows:
 - The SSM standard for fecal coliforms was exceeded at station I12.
 - The STV standard for total coliforms was exceeded at stations I12 and I16.
- Water column temperatures ranged from 11.49 to 22.87°C at the offshore sites. The difference between surface and bottom waters ranged from 3.79 to 10.92°C.

- Chlorophyll *a* concentrations ranged from 0.24 to 5.61 µg/L at the offshore sites.
- Nothing of sewage origin was observed at SBOO offshore stations in August.
- CDOM data are available upon request.

This page intentionally left blank



TABLES AND FIGURES

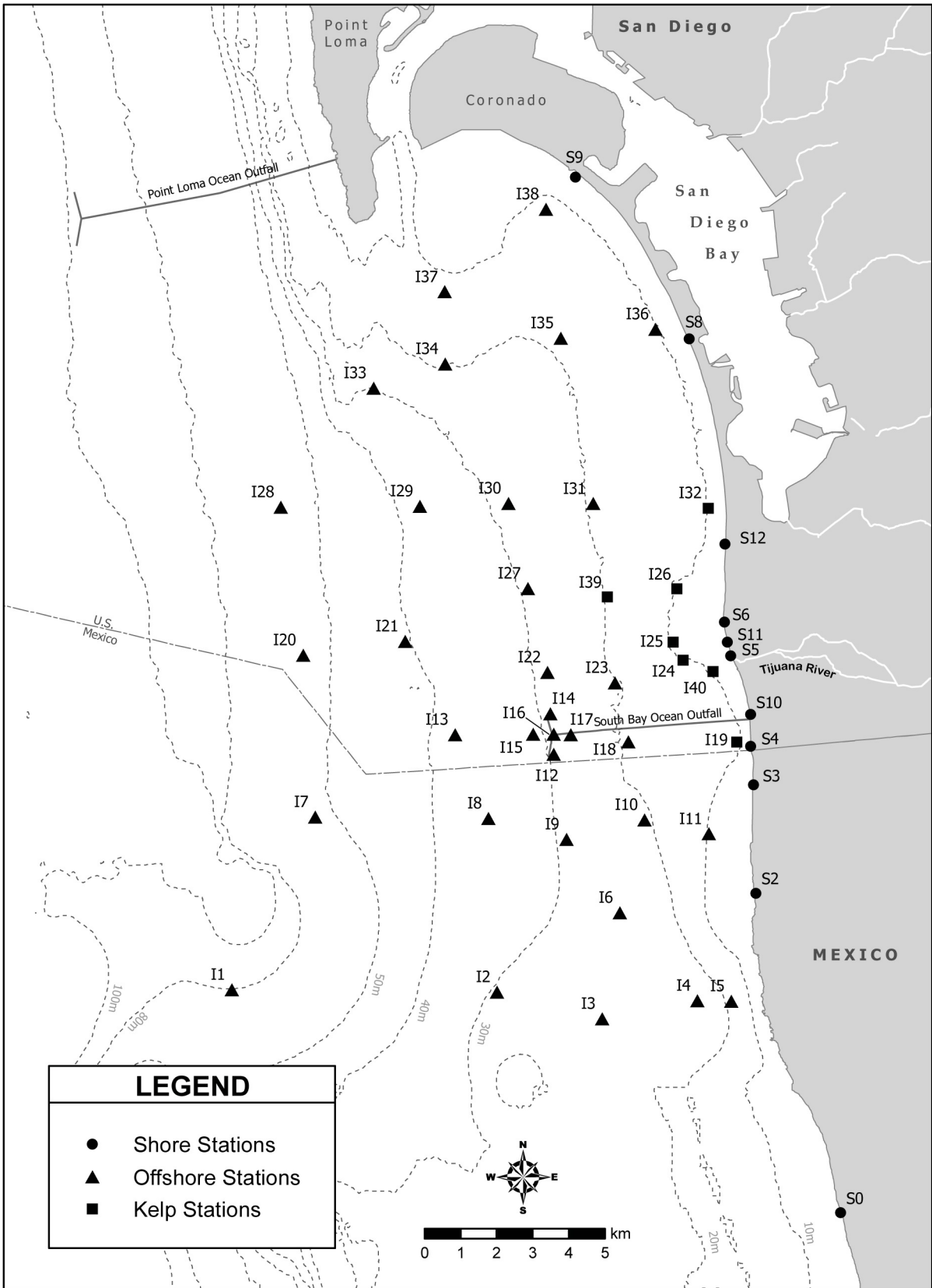


Figure 1.1 Station Map

Shore Stations

Table 2.1

Summary of compliance with the Ocean Plan's 30-day Geometric Mean standard for fecal coliform bacteria at the SBOO shore stations. Data are based on the geometric mean of the five most recent samples from each site over the previous 30 days unless otherwise noted (*). Values >200 CFU/100 mL exceed the standard.

Date	S4	S5	S6	S8	S9	S10	S11	S12
01 Aug 2023	9	527	61	2	8	8	32	21
02 Aug 2023	9	527	61	2	8	8	32	21
03 Aug 2023	9	527	61	2	8	8	32	21
04 Aug 2023	9	527	61	2	8	8	32	21
05 Aug 2023	6	241	25	2	8	7	17	16
06 Aug 2023	6	241	25	2	8	7	17	16
07 Aug 2023	6	241	25	2	8	7	17	16
08 Aug 2023	7	527	37	2	8	5	36	14
09 Aug 2023	7	527	37	2	8	5	36	14
10 Aug 2023	9	314	58	2	11	7	57	19
11 Aug 2023	9	314	58	2	11	7	57	19
12 Aug 2023	9	314	58	2	11	7	57	19
13 Aug 2023	9	314	58	2	11	7	57	19
14 Aug 2023	9	314	58	2	11	7	57	19
15 Aug 2023	11	297	77	2	12	8	70	24
16 Aug 2023	11	297	77	2	12	8	70	24
17 Aug 2023	12	663	77	2	15	12	92	37
18 Aug 2023	12	663	77	2	15	12	92	37
19 Aug 2023	12	663	77	2	15	12	92	37
20 Aug 2023	12	663	77	2	15	12	92	37
21 Aug 2023	12	663	77	2	15	12	92	37
22 Aug 2023	39	1184	211	11	53	29	244	117
23 Aug 2023	39	1184	211	11	53	29	244	117
24 Aug 2023	82	1427	675	18	68	39	681	162
25 Aug 2023	82	1427	675	18	68	39	681	162
26 Aug 2023	82	1427	675	18	68	39	681	162
27 Aug 2023	82	1427	675	18	68	39	681	162
28 Aug 2023	82	1427	675	18	68	39	681	162
29 Aug 2023	64	1271	1133	16	42	32	692	383
30 Aug 2023	64	1271	1133	16	42	32	692	383
31 Aug 2023	69	2293	1470	26	50	27	1033	513

* Geometric mean calculated using n<5

Table 2.2

Summary of compliance at the SBOO shore stations with the Ocean Plan's Single Sample Maximum standard for fecal coliform bacteria, which states that fecal coliform density shall not exceed 400 CFU/100 mL.

Date	S4	S5	S6	S8	S9	S10	S11	S12
01 Aug 2023	IC	IC	IC	IC	IC	IC	IC	IC
08 Aug 2023	IC	E	IC	IC	IC	IC	E	IC
15 Aug 2023	IC	IC	IC	IC	IC	IC	IC	IC
22 Aug 2023	E	E	E	E	E	E	E	E
29 Aug 2023	IC	E	E	IC	IC	IC	E	E

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 2.3

Summary of compliance with the Ocean Plan's 6-week Geometric Mean standard for *Enterococcus* at the SBOO shore stations. Data are based on the geometric mean of the five most recent samples from each site over the previous 6 weeks unless otherwise noted (*). Values >30 CFU/100 mL exceed the standard.

Date	S4	S5	S6	S8	S9	S10	S11	S12
01 Aug 2023	14	700	27	5	8	14	31	17
02 Aug 2023	14	700	27	5	8	14	31	17
03 Aug 2023	14	700	27	5	8	14	31	17
04 Aug 2023	14	700	27	5	8	14	31	17
05 Aug 2023	14	700	27	5	8	14	31	17
06 Aug 2023	14	700	27	5	8	14	31	17
07 Aug 2023	14	700	27	5	8	14	31	17
08 Aug 2023	11	690	82	7	10	5	101	32
09 Aug 2023	11	690	82	7	10	5	101	32
10 Aug 2023	11	690	82	7	10	5	101	32
11 Aug 2023	11	690	82	7	10	5	101	32
12 Aug 2023	11	690	82	7	10	5	101	32
13 Aug 2023	11	690	82	7	10	5	101	32
14 Aug 2023	11	690	82	7	10	5	101	32
15 Aug 2023	10	643	115	6	13	5	134	38
16 Aug 2023	10	643	115	6	13	5	134	38
17 Aug 2023	8	456	88	4	13	4	115	39
18 Aug 2023	8	456	88	4	13	4	115	39
19 Aug 2023	8	456	88	4	13	4	115	39
20 Aug 2023	8	456	88	4	13	4	115	39
21 Aug 2023	8	456	88	4	13	4	115	39
22 Aug 2023	30	589	334	15	40	12	367	95
23 Aug 2023	30	589	334	15	40	12	367	95
24 Aug 2023	30	589	334	15	40	12	367	95
25 Aug 2023	30	589	334	15	40	12	367	95
26 Aug 2023	30	589	334	15	40	12	367	95
27 Aug 2023	30	589	334	15	40	12	367	95
28 Aug 2023	30	589	334	15	40	12	367	95
29 Aug 2023	35	734	394	20	55	16	409	270
30 Aug 2023	35	734	394	20	55	16	409	270
31 Aug 2023	35	734	394	20	55	16	409	270

* Geometric mean calculated using n<5

Table 2.4

Summary of compliance at the SBOO shore stations with the Ocean Plan's Statistical Threshold Value standard for *Enterococcus* bacteria, which states that *Enterococcus* density shall not exceed 110 CFU/100 mL in more than 10% of samples per month.

Date	S4	S5	S6	S8	S9	S10	S11	S12
August	E	E	E	E	E	E	E	E

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 2.5

Summary of compliance with the Ocean Plan's 30-day Median standard for total coliform bacteria at the SBOO shore stations. Data are based on the median of the five most recent samples from each site over the previous 30 days unless otherwise noted (*). Values >70 CFU/100 mL exceed the standard.

Date	S4	S5	S6	S8	S9	S10	S11	S12
01 Aug 2023	200	16000	200	200	200	20	200	200
02 Aug 2023	200	16000	200	200	200	20	200	200
03 Aug 2023	200	16000	200	200	200	20	200	200
04 Aug 2023	200	16000	200	200	200	20	200	200
05 Aug 2023	110	8400	120	110	200	11	200	200
06 Aug 2023	110	8400	120	110	200	11	200	200
07 Aug 2023	110	8400	120	110	200	11	200	200
08 Aug 2023	60	16000	200	200	200	20	200	200
09 Aug 2023	60	16000	200	200	200	20	200	200
10 Aug 2023	130	8400	1700	200	200	30	1500	200
11 Aug 2023	130	8400	1700	200	200	30	1500	200
12 Aug 2023	130	8400	1700	200	200	30	1500	200
13 Aug 2023	130	8400	1700	200	200	30	1500	200
14 Aug 2023	130	8400	1700	200	200	30	1500	200
15 Aug 2023	60	4000	3200	200	200	40	2800	200
16 Aug 2023	60	4000	3200	200	200	40	2800	200
17 Aug 2023	130	10000	5600	200	200	60	3600	700
18 Aug 2023	130	10000	5600	200	200	60	3600	700
19 Aug 2023	130	10000	5600	200	200	60	3600	700
20 Aug 2023	130	10000	5600	200	200	60	3600	700
21 Aug 2023	130	10000	5600	200	200	60	3600	700
22 Aug 2023	200	16000	8000	200	200	80	4400	1200
23 Aug 2023	200	16000	8000	200	200	80	4400	1200
24 Aug 2023	730	10000	8100	240	200	340	8200	2300
25 Aug 2023	730	10000	8100	240	200	340	8200	2300
26 Aug 2023	730	10000	8100	240	200	340	8200	2300
27 Aug 2023	730	10000	8100	240	200	340	8200	2300
28 Aug 2023	730	10000	8100	240	200	340	8200	2300
29 Aug 2023	80	8400	8200	200	200	80	9400	3400
30 Aug 2023	80	8400	8200	200	200	80	9400	3400
31 Aug 2023	70	12200	12100	240	200	60	10700	8600

* Median calculated using n<5

Table 2.6

Summary of compliance at the SBOO shore stations with the Ocean Plan's Statistical Threshold Value for total coliform bacteria, which states that total coliform density shall not exceed 230 CFU/100 mL in more than 10% of samples per station, per month.

Date	S4	S5	S6	S8	S9	S10	S11	S12
August	E	E	E	E	E	E	E	E

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 2.7

Summary of water quality parameters at the SBOO shore stations for each sample date. Densities of total coliform (Total), fecal coliform (Fecal), and *Enterococcus* (Entero) are reported as CFU/100 mL. Comments follow the data summary.

Station	Date	Time	Total	Fecal	Entero
S0	01 Aug 2023	845	>=12000	4000	2000e
S0	08 Aug 2023	1030	20e	4e	6e
S0	15 Aug 2023	1030	100e	18e	20e
S0	22 Aug 2023	830	>16000	8600	3000e
S0	29 Aug 2023	1000	>=16000	3600e	3200e
S2	01 Aug 2023	1000	>=8200	820	28e
S2	08 Aug 2023	1135	4e	2e	140e
S2	15 Aug 2023	1125	16e	<2	<2
S2	22 Aug 2023	950	6400	780	400
S2	29 Aug 2023	1110	20e	2e	<2
S3	01 Aug 2023	925	320e	26e	8e
S3	08 Aug 2023	1110	130	44	340e
S3	15 Aug 2023	1100	300e	90	22e
S3	22 Aug 2023	905	>=16000	>12000	10000
S3	29 Aug 2023	1035	1600e	2000e	24e
S4	01 Aug 2023	1012	1400e	46	16e
S4	08 Aug 2023	951	60e	12e	18e
S4	15 Aug 2023	822	60e	20e	8e
S4	22 Aug 2023	1034	>16000	4000	4600
S4	29 Aug 2023	948	80e	24e	28e
S5	01 Aug 2023	851	800e	120e	56
S5	08 Aug 2023	848	>16000	>12000	11000
S5	15 Aug 2023	914	4000	240e	420
S5	22 Aug 2023	917	>=16000	>12000	>12000
S5	29 Aug 2023	851	8400	800	360e
S6	01 Aug 2023	905	3200e	400	92
S6	08 Aug 2023	900	8000	180e	1400e
S6	15 Aug 2023	927	8200	240e	860
S6	22 Aug 2023	938	>=16000	>12000	>12000
S6	29 Aug 2023	911	>16000	9000	1400e
S8	01 Aug 2023	817	<200	2e	12e
S8	08 Aug 2023	812	280e	<2	22e
S8	15 Aug 2023	957	<200	<2	2e
S8	22 Aug 2023	819	>=16000	>12000	4600
S8	29 Aug 2023	813	80e	10e	12e
S9	01 Aug 2023	801	<200	20e	36e
S9	08 Aug 2023	756	<200	8e	12e
S9	15 Aug 2023	1101	<200	16e	60e
S9	22 Aug 2023	745	>=16000	8400	4000
S9	29 Aug 2023	800	60e	6e	14e
S10	01 Aug 2023	956	600e	60	22e
S10	08 Aug 2023	942	40e	<2	8e
S10	15 Aug 2023	837	80e	<20	4e
S10	22 Aug 2023	1023	9000	1000	860
S10	29 Aug 2023	1018	<20	14e	14e

Station	Date	Time	Total	Fecal	Enteroc
S11	01 Aug 2023	901	2800e	140e	68
S11	08 Aug 2023	855	12000	800	2400e
S11	15 Aug 2023	922	4400	160e	720
S11	22 Aug 2023	933	>=16000	>12000	8600
S11	29 Aug 2023	906	9400	740	460
S12	01 Aug 2023	835	3400e	120e	100
S12	08 Aug 2023	828	200e	8e	84
S12	15 Aug 2023	941	1200e	60e	100e
S12	22 Aug 2023	851	>=16000	>12000	4400
S12	29 Aug 2023	829	>16000	>12000	5200

ns = not sampled

ND = no data

Table 2.8

Summary of visual observations made during the month for each SBOO shore station by sample date.

Station	Date	Parameter	Value
S0	01 Aug 2023	Arrive Time	845
S0	01 Aug 2023	Weather	Sunny
S0	01 Aug 2023	Wind Speed (kts)	1.7
S0	01 Aug 2023	Wind Dir	N
S0	01 Aug 2023	Animal Life	
S0	01 Aug 2023	Floatables	None
S0	01 Aug 2023	Water Color	Green
S0	01 Aug 2023	Current Direction	S
S0	01 Aug 2023	Water Temp (C)	15
S0	01 Aug 2023	Wave Height Low (ft)	2
S0	01 Aug 2023	High Tide (ft)	4.18
S0	01 Aug 2023	High Tide Time	1013
S0	01 Aug 2023	Low Tide (ft)	-1.38
S0	01 Aug 2023	Low Tide Time	401
S0	01 Aug 2023	Comments	Water clear; Trash-1; Kelp;Algae; Person/Walker/Jogger-2; 1.0 L/sec water flowing from storm drain
S0	08 Aug 2023	Arrive Time	1030
S0	08 Aug 2023	Weather	Cloudy
S0	08 Aug 2023	Wind Speed (kts)	1.6
S0	08 Aug 2023	Wind Dir	N
S0	08 Aug 2023	Animal Life	Dog-2; Seagull-20;
S0	08 Aug 2023	Floatables	None
S0	08 Aug 2023	Water Color	Green
S0	08 Aug 2023	Current Direction	N
S0	08 Aug 2023	Water Temp (C)	21
S0	08 Aug 2023	Wave Height Low (ft)	3
S0	08 Aug 2023	High Tide (ft)	3.19
S0	08 Aug 2023	High Tide Time	325
S0	08 Aug 2023	Low Tide (ft)	1.96
S0	08 Aug 2023	Low Tide Time	842
S0	08 Aug 2023	Comments	Water clear; Trash-1; Kelp;Algae; Person/Walker/Jogger-4; 0.5 L/sec water flow from storm drain
S0	15 Aug 2023	Arrive Time	1030
S0	15 Aug 2023	Weather	Cloudy
S0	15 Aug 2023	Wind Speed (kts)	4.8
S0	15 Aug 2023	Wind Dir	N
S0	15 Aug 2023	Animal Life	Dog-3; Seagull-10;
S0	15 Aug 2023	Floatables	None
S0	15 Aug 2023	Water Color	Green
S0	15 Aug 2023	Current Direction	N
S0	15 Aug 2023	Water Temp (C)	16
S0	15 Aug 2023	Wave Height Low (ft)	3
S0	15 Aug 2023	High Tide (ft)	4.06
S0	15 Aug 2023	High Tide Time	1005
S0	15 Aug 2023	Low Tide (ft)	-0.27
S0	15 Aug 2023	Low Tide Time	354
S0	15 Aug 2023	Comments	Water clear; Trash-1; Kelp;Algae; Person/Walker/Jogger-4; 0.5 L/s water flow from storm drain
S0	22 Aug 2023	Arrive Time	830
S0	22 Aug 2023	Weather	Sunny
S0	22 Aug 2023	Wind Speed (kts)	1.8
S0	22 Aug 2023	Wind Dir	NE
S0	22 Aug 2023	Animal Life	

Station	Date	Parameter	Value
S0	22 Aug 2023	Floatables	None
S0	22 Aug 2023	Water Color	Green
S0	22 Aug 2023	Current Direction	N
S0	22 Aug 2023	Water Temp (C)	14
S0	22 Aug 2023	Wave Height Low (ft)	2
S0	22 Aug 2023	High Tide (ft)	3.6
S0	22 Aug 2023	High Tide Time	39
S0	22 Aug 2023	Low Tide (ft)	1.71
S0	22 Aug 2023	Low Tide Time	626
S0	22 Aug 2023	Comments	Water turbid; Trash-1; Kelp;Algae; 2.0 L/s water flowing from storm drain.
S0	29 Aug 2023	Arrive Time	1000
S0	29 Aug 2023	Weather	Sunny
S0	29 Aug 2023	Wind Speed (kts)	2.3
S0	29 Aug 2023	Wind Dir	NE
S0	29 Aug 2023	Animal Life	Dog-3; Seagull-10;
S0	29 Aug 2023	Floatables	None
S0	29 Aug 2023	Water Color	Green
S0	29 Aug 2023	Current Direction	N
S0	29 Aug 2023	Water Temp (C)	17
S0	29 Aug 2023	Wave Height Low (ft)	3
S0	29 Aug 2023	High Tide (ft)	4.47
S0	29 Aug 2023	High Tide Time	906
S0	29 Aug 2023	Low Tide (ft)	-1.01
S0	29 Aug 2023	Low Tide Time	256
S0	29 Aug 2023	Comments	Water clear; Trash-1; Kelp; Algae; Person/Walker/Jogger-2; 0.5 L/s water flowing from storm drain.
S2	01 Aug 2023	Arrive Time	1000
S2	01 Aug 2023	Weather	Sunny
S2	01 Aug 2023	Wind Speed (kts)	1.6
S2	01 Aug 2023	Wind Dir	N
S2	01 Aug 2023	Animal Life	Dog-7; Seagull-20;
S2	01 Aug 2023	Floatables	None
S2	01 Aug 2023	Water Color	Green
S2	01 Aug 2023	Current Direction	S
S2	01 Aug 2023	Water Temp (C)	15
S2	01 Aug 2023	Wave Height Low (ft)	2
S2	01 Aug 2023	High Tide (ft)	4.18
S2	01 Aug 2023	High Tide Time	1013
S2	01 Aug 2023	Low Tide (ft)	-1.38
S2	01 Aug 2023	Low Tide Time	401
S2	01 Aug 2023	Comments	Water clear; Trash-1; Algae;Kelp; Person/Walker/Jogger-20; No flow from storm drain
S2	08 Aug 2023	Arrive Time	1135
S2	08 Aug 2023	Weather	Cloudy
S2	08 Aug 2023	Wind Speed (kts)	1.5
S2	08 Aug 2023	Wind Dir	N
S2	08 Aug 2023	Animal Life	Dog-4; Seagull-10;
S2	08 Aug 2023	Floatables	None
S2	08 Aug 2023	Water Color	Green
S2	08 Aug 2023	Current Direction	N
S2	08 Aug 2023	Water Temp (C)	21
S2	08 Aug 2023	Wave Height Low (ft)	3
S2	08 Aug 2023	High Tide (ft)	3.19
S2	08 Aug 2023	High Tide Time	325
S2	08 Aug 2023	Low Tide (ft)	1.96
S2	08 Aug 2023	Low Tide Time	842

Station	Date	Parameter	Value
S2	08 Aug 2023	Comments	Water clear; Trash-1; Kelp;Algae; Person/Walker/Jogger-20; No flow from storm drain
S2	15 Aug 2023	Arrive Time	1125
S2	15 Aug 2023	Weather	Cloudy
S2	15 Aug 2023	Wind Speed (kts)	4.3
S2	15 Aug 2023	Wind Dir	N
S2	15 Aug 2023	Animal Life	Dog-4; Seagull-10;
S2	15 Aug 2023	Floatables	None
S2	15 Aug 2023	Water Color	Green
S2	15 Aug 2023	Current Direction	N
S2	15 Aug 2023	Water Temp (C)	16
S2	15 Aug 2023	Wave Height Low (ft)	3
S2	15 Aug 2023	High Tide (ft)	4.06
S2	15 Aug 2023	High Tide Time	1005
S2	15 Aug 2023	Low Tide (ft)	-0.27
S2	15 Aug 2023	Low Tide Time	354
S2	15 Aug 2023	Comments	Water clear; Trash-1; Kelp;Algae; Person/Walker/Jogger-10; No water flow from storm drain
S2	22 Aug 2023	Arrive Time	950
S2	22 Aug 2023	Weather	Sunny
S2	22 Aug 2023	Wind Speed (kts)	1.5
S2	22 Aug 2023	Wind Dir	NE
S2	22 Aug 2023	Animal Life	Dog-5;
S2	22 Aug 2023	Floatables	None
S2	22 Aug 2023	Water Color	Green
S2	22 Aug 2023	Current Direction	N
S2	22 Aug 2023	Water Temp (C)	14
S2	22 Aug 2023	Wave Height Low (ft)	2
S2	22 Aug 2023	High Tide (ft)	3.6
S2	22 Aug 2023	High Tide Time	39
S2	22 Aug 2023	Low Tide (ft)	1.71
S2	22 Aug 2023	Low Tide Time	626
S2	22 Aug 2023	Comments	Water turbid; Trash-1; Kelp;Algae; No water flow from storm drain.
S2	29 Aug 2023	Arrive Time	1110
S2	29 Aug 2023	Weather	Sunny
S2	29 Aug 2023	Wind Speed (kts)	2.5
S2	29 Aug 2023	Wind Dir	NE
S2	29 Aug 2023	Animal Life	Dog-4; Seagull-20;
S2	29 Aug 2023	Floatables	None
S2	29 Aug 2023	Water Color	Green
S2	29 Aug 2023	Current Direction	N
S2	29 Aug 2023	Water Temp (C)	17
S2	29 Aug 2023	Wave Height Low (ft)	3
S2	29 Aug 2023	High Tide (ft)	4.47
S2	29 Aug 2023	High Tide Time	906
S2	29 Aug 2023	Low Tide (ft)	-1.01
S2	29 Aug 2023	Low Tide Time	256
S2	29 Aug 2023	Comments	Water clear; Trash-1; Kelp;Algae; Person/Walker/Jogger-10; No water flow from storm drain.
S3	01 Aug 2023	Arrive Time	925
S3	01 Aug 2023	Weather	Sunny
S3	01 Aug 2023	Wind Speed (kts)	1.1
S3	01 Aug 2023	Wind Dir	N
S3	01 Aug 2023	Animal Life	Dog-1; Seagull-20;
S3	01 Aug 2023	Floatables	None
S3	01 Aug 2023	Water Color	Green

Station	Date	Parameter	Value
S3	01 Aug 2023	Current Direction	S
S3	01 Aug 2023	Water Temp (C)	15
S3	01 Aug 2023	Wave Height Low (ft)	2
S3	01 Aug 2023	High Tide (ft)	4.18
S3	01 Aug 2023	High Tide Time	1013
S3	01 Aug 2023	Low Tide (ft)	-1.38
S3	01 Aug 2023	Low Tide Time	401
S3	01 Aug 2023	Comments	Water clear; Trash-1; Algae;Kelp; Person/Walker/Jogger-20; No flow from storm drain
S3	08 Aug 2023	Arrive Time	1110
S3	08 Aug 2023	Weather	Cloudy
S3	08 Aug 2023	Wind Speed (kts)	1.6
S3	08 Aug 2023	Wind Dir	N
S3	08 Aug 2023	Animal Life	Dog-4; Seagull-10;
S3	08 Aug 2023	Floatables	None
S3	08 Aug 2023	Water Color	Green
S3	08 Aug 2023	Current Direction	N
S3	08 Aug 2023	Water Temp (C)	21
S3	08 Aug 2023	Wave Height Low (ft)	3
S3	08 Aug 2023	High Tide (ft)	3.19
S3	08 Aug 2023	High Tide Time	325
S3	08 Aug 2023	Low Tide (ft)	1.96
S3	08 Aug 2023	Low Tide Time	842
S3	08 Aug 2023	Comments	Water clear; Trash-1; Kelp;Algae; Person/Walker/Jogger-20; No flow from storm drain
S3	15 Aug 2023	Arrive Time	1100
S3	15 Aug 2023	Weather	Cloudy
S3	15 Aug 2023	Wind Speed (kts)	4.6
S3	15 Aug 2023	Wind Dir	N
S3	15 Aug 2023	Animal Life	Dog-2; Seagull-10;
S3	15 Aug 2023	Floatables	None
S3	15 Aug 2023	Water Color	Green
S3	15 Aug 2023	Current Direction	N
S3	15 Aug 2023	Water Temp (C)	16
S3	15 Aug 2023	Wave Height Low (ft)	3
S3	15 Aug 2023	High Tide (ft)	4.06
S3	15 Aug 2023	High Tide Time	1005
S3	15 Aug 2023	Low Tide (ft)	-0.27
S3	15 Aug 2023	Low Tide Time	354
S3	15 Aug 2023	Comments	Water clear; Trash-1; Algae;Kelp; Person/Walker/Jogger-10; No water flow from storm drain
S3	22 Aug 2023	Arrive Time	905
S3	22 Aug 2023	Weather	Sunny
S3	22 Aug 2023	Wind Speed (kts)	1.1
S3	22 Aug 2023	Wind Dir	NE
S3	22 Aug 2023	Animal Life	Dog-3;
S3	22 Aug 2023	Floatables	None
S3	22 Aug 2023	Water Color	Green
S3	22 Aug 2023	Current Direction	N
S3	22 Aug 2023	Water Temp (C)	14
S3	22 Aug 2023	Wave Height Low (ft)	2
S3	22 Aug 2023	High Tide (ft)	3.6
S3	22 Aug 2023	High Tide Time	39
S3	22 Aug 2023	Low Tide (ft)	1.71
S3	22 Aug 2023	Low Tide Time	626
S3	22 Aug 2023	Comments	Water turbid; Trash-1; Algae;Kelp; No water flow from storm drain.

Station	Date	Parameter	Value
S3	29 Aug 2023	Arrive Time	1035
S3	29 Aug 2023	Weather	Cloudy
S3	29 Aug 2023	Wind Speed (kts)	2.1
S3	29 Aug 2023	Wind Dir	NE
S3	29 Aug 2023	Animal Life	Dog-2; Seagull-20;
S3	29 Aug 2023	Floatables	None
S3	29 Aug 2023	Water Color	Green
S3	29 Aug 2023	Current Direction	N
S3	29 Aug 2023	Water Temp (C)	17
S3	29 Aug 2023	Wave Height Low (ft)	3
S3	29 Aug 2023	High Tide (ft)	4.47
S3	29 Aug 2023	High Tide Time	906
S3	29 Aug 2023	Low Tide (ft)	-1.01
S3	29 Aug 2023	Low Tide Time	256
S3	29 Aug 2023	Comments	Water clear; Trash-1; Kelp;Algae; Person/Walker/Jogger-10; No water flow from storm drain.
S4	01 Aug 2023	Arrive Time	1012
S4	01 Aug 2023	Weather	Sunny
S4	01 Aug 2023	Wind Speed (kts)	3.4
S4	01 Aug 2023	Wind Dir	W
S4	01 Aug 2023	Animal Life	Bird-20;
S4	01 Aug 2023	Floatables	None
S4	01 Aug 2023	Water Color	Green
S4	01 Aug 2023	Current Direction	S
S4	01 Aug 2023	Water Temp (C)	22
S4	01 Aug 2023	Wave Height Low (ft)	1
S4	01 Aug 2023	High Tide (ft)	4.18
S4	01 Aug 2023	High Tide Time	1013
S4	01 Aug 2023	Low Tide (ft)	-1.38
S4	01 Aug 2023	Low Tide Time	401
S4	01 Aug 2023	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris
S4	08 Aug 2023	Arrive Time	951
S4	08 Aug 2023	Weather	Sunny
S4	08 Aug 2023	Wind Speed (kts)	5.4
S4	08 Aug 2023	Wind Dir	SW
S4	08 Aug 2023	Animal Life	
S4	08 Aug 2023	Floatables	None
S4	08 Aug 2023	Water Color	Green
S4	08 Aug 2023	Current Direction	S
S4	08 Aug 2023	Water Temp (C)	23
S4	08 Aug 2023	Wave Height Low (ft)	5
S4	08 Aug 2023	High Tide (ft)	3.19
S4	08 Aug 2023	High Tide Time	325
S4	08 Aug 2023	Low Tide (ft)	1.96
S4	08 Aug 2023	Low Tide Time	842
S4	08 Aug 2023	Comments	Water clear; Trash-2; Kelp;Seagrass
S4	15 Aug 2023	Arrive Time	822
S4	15 Aug 2023	Weather	Cloudy
S4	15 Aug 2023	Wind Speed (kts)	3.3
S4	15 Aug 2023	Wind Dir	W
S4	15 Aug 2023	Animal Life	Bird-2;
S4	15 Aug 2023	Floatables	None
S4	15 Aug 2023	Water Color	Green
S4	15 Aug 2023	Current Direction	S
S4	15 Aug 2023	Water Temp (C)	15
S4	15 Aug 2023	Wave Height Low (ft)	3
S4	15 Aug 2023	High Tide (ft)	4.06
S4	15 Aug 2023	High Tide Time	1005

Station	Date	Parameter	Value
S4	15 Aug 2023	Low Tide (ft)	-0.27
S4	15 Aug 2023	Low Tide Time	354
S4	15 Aug 2023	Comments	Water clear; Trash-3; Debris;Kelp;Seagrass
S4	22 Aug 2023	Arrive Time	1034
S4	22 Aug 2023	Weather	Hazy
S4	22 Aug 2023	Wind Speed (kts)	1.5
S4	22 Aug 2023	Wind Dir	W
S4	22 Aug 2023	Animal Life	
S4	22 Aug 2023	Floatables	None
S4	22 Aug 2023	Water Color	Green
S4	22 Aug 2023	Current Direction	S
S4	22 Aug 2023	Water Temp (C)	14
S4	22 Aug 2023	Wave Height Low (ft)	5
S4	22 Aug 2023	High Tide (ft)	3.6
S4	22 Aug 2023	High Tide Time	39
S4	22 Aug 2023	Low Tide (ft)	1.71
S4	22 Aug 2023	Low Tide Time	626
S4	22 Aug 2023	Comments	Water clear; Trash-3; Kelp;Seagrass;Debris
S4	29 Aug 2023	Arrive Time	948
S4	29 Aug 2023	Weather	Foggy
S4	29 Aug 2023	Wind Speed (kts)	1.4
S4	29 Aug 2023	Wind Dir	W
S4	29 Aug 2023	Animal Life	
S4	29 Aug 2023	Floatables	None
S4	29 Aug 2023	Water Color	Green
S4	29 Aug 2023	Current Direction	S
S4	29 Aug 2023	Water Temp (C)	17
S4	29 Aug 2023	Wave Height Low (ft)	2
S4	29 Aug 2023	High Tide (ft)	4.47
S4	29 Aug 2023	High Tide Time	906
S4	29 Aug 2023	Low Tide (ft)	-1.01
S4	29 Aug 2023	Low Tide Time	256
S4	29 Aug 2023	Comments	Water clear; Trash-1; Kelp;Seagrass
S5	01 Aug 2023	Arrive Time	851
S5	01 Aug 2023	Weather	Partly cloudy
S5	01 Aug 2023	Wind Speed (kts)	5
S5	01 Aug 2023	Wind Dir	W
S5	01 Aug 2023	Animal Life	
S5	01 Aug 2023	Floatables	None
S5	01 Aug 2023	Water Color	Green
S5	01 Aug 2023	Current Direction	S
S5	01 Aug 2023	Water Temp (C)	23
S5	01 Aug 2023	Wave Height Low (ft)	1
S5	01 Aug 2023	High Tide (ft)	4.18
S5	01 Aug 2023	High Tide Time	1013
S5	01 Aug 2023	Low Tide (ft)	-1.38
S5	01 Aug 2023	Low Tide Time	401
S5	01 Aug 2023	Comments	Water clear; Trash-1; Kelp;Seagrass
S5	08 Aug 2023	Arrive Time	848
S5	08 Aug 2023	Weather	Sunny
S5	08 Aug 2023	Wind Speed (kts)	2
S5	08 Aug 2023	Wind Dir	SW
S5	08 Aug 2023	Animal Life	
S5	08 Aug 2023	Floatables	None
S5	08 Aug 2023	Water Color	Green
S5	08 Aug 2023	Current Direction	S
S5	08 Aug 2023	Water Temp (C)	23

Station	Date	Parameter	Value
S5	08 Aug 2023	Wave Height Low (ft)	5
S5	08 Aug 2023	High Tide (ft)	3.19
S5	08 Aug 2023	High Tide Time	325
S5	08 Aug 2023	Low Tide (ft)	1.96
S5	08 Aug 2023	Low Tide Time	842
S5	08 Aug 2023	Comments	Water clear; Trash-1; Kelp;Seagrass
S5	15 Aug 2023	Arrive Time	914
S5	15 Aug 2023	Weather	Cloudy
S5	15 Aug 2023	Wind Speed (kts)	2.7
S5	15 Aug 2023	Wind Dir	W
S5	15 Aug 2023	Animal Life	Bird-5;
S5	15 Aug 2023	Floatables	None
S5	15 Aug 2023	Water Color	Green
S5	15 Aug 2023	Current Direction	S
S5	15 Aug 2023	Water Temp (C)	15
S5	15 Aug 2023	Wave Height Low (ft)	4
S5	15 Aug 2023	High Tide (ft)	4.06
S5	15 Aug 2023	High Tide Time	1005
S5	15 Aug 2023	Low Tide (ft)	-0.27
S5	15 Aug 2023	Low Tide Time	354
S5	15 Aug 2023	Comments	Water clear; Trash-2; Kelp;Debris
S5	22 Aug 2023	Arrive Time	917
S5	22 Aug 2023	Weather	Hazy
S5	22 Aug 2023	Wind Speed (kts)	1.2
S5	22 Aug 2023	Wind Dir	NW
S5	22 Aug 2023	Animal Life	
S5	22 Aug 2023	Floatables	None
S5	22 Aug 2023	Water Color	Green
S5	22 Aug 2023	Current Direction	S
S5	22 Aug 2023	Water Temp (C)	13
S5	22 Aug 2023	Wave Height Low (ft)	4
S5	22 Aug 2023	High Tide (ft)	3.6
S5	22 Aug 2023	High Tide Time	39
S5	22 Aug 2023	Low Tide (ft)	1.71
S5	22 Aug 2023	Low Tide Time	626
S5	22 Aug 2023	Comments	Water clear; Trash-1; Kelp;Seagrass
S5	29 Aug 2023	Arrive Time	851
S5	29 Aug 2023	Weather	Sunny
S5	29 Aug 2023	Wind Speed (kts)	3.2
S5	29 Aug 2023	Wind Dir	W
S5	29 Aug 2023	Animal Life	
S5	29 Aug 2023	Floatables	None
S5	29 Aug 2023	Water Color	Green
S5	29 Aug 2023	Current Direction	S
S5	29 Aug 2023	Water Temp (C)	16
S5	29 Aug 2023	Wave Height Low (ft)	3
S5	29 Aug 2023	High Tide (ft)	4.47
S5	29 Aug 2023	High Tide Time	906
S5	29 Aug 2023	Low Tide (ft)	-1.01
S5	29 Aug 2023	Low Tide Time	256
S5	29 Aug 2023	Comments	Water clear; Trash-1; Kelp;Seagrass
S6	01 Aug 2023	Arrive Time	905
S6	01 Aug 2023	Weather	Sunny
S6	01 Aug 2023	Wind Speed (kts)	5.9
S6	01 Aug 2023	Wind Dir	W
S6	01 Aug 2023	Animal Life	
S6	01 Aug 2023	Floatables	None

Station	Date	Parameter	Value
S6	01 Aug 2023	Water Color	Green
S6	01 Aug 2023	Current Direction	S
S6	01 Aug 2023	Water Temp (C)	22
S6	01 Aug 2023	Wave Height Low (ft)	3
S6	01 Aug 2023	High Tide (ft)	4.18
S6	01 Aug 2023	High Tide Time	1013
S6	01 Aug 2023	Low Tide (ft)	-1.38
S6	01 Aug 2023	Low Tide Time	401
S6	01 Aug 2023	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae
S6	08 Aug 2023	Arrive Time	900
S6	08 Aug 2023	Weather	Sunny
S6	08 Aug 2023	Wind Speed (kts)	2.1
S6	08 Aug 2023	Wind Dir	W
S6	08 Aug 2023	Animal Life	
S6	08 Aug 2023	Floatables	None
S6	08 Aug 2023	Water Color	Green
S6	08 Aug 2023	Current Direction	S
S6	08 Aug 2023	Water Temp (C)	21
S6	08 Aug 2023	Wave Height Low (ft)	4
S6	08 Aug 2023	High Tide (ft)	3.19
S6	08 Aug 2023	High Tide Time	325
S6	08 Aug 2023	Low Tide (ft)	1.96
S6	08 Aug 2023	Low Tide Time	842
S6	08 Aug 2023	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae; Person/Walker/Jogger-1
S6	15 Aug 2023	Arrive Time	927
S6	15 Aug 2023	Weather	Cloudy
S6	15 Aug 2023	Wind Speed (kts)	2.9
S6	15 Aug 2023	Wind Dir	W
S6	15 Aug 2023	Animal Life	
S6	15 Aug 2023	Floatables	None
S6	15 Aug 2023	Water Color	Green
S6	15 Aug 2023	Current Direction	S
S6	15 Aug 2023	Water Temp (C)	16
S6	15 Aug 2023	Wave Height Low (ft)	4
S6	15 Aug 2023	High Tide (ft)	4.06
S6	15 Aug 2023	High Tide Time	1005
S6	15 Aug 2023	Low Tide (ft)	-0.27
S6	15 Aug 2023	Low Tide Time	354
S6	15 Aug 2023	Comments	Water clear; Trash-1; Seagrass;Debris;Kelp
S6	22 Aug 2023	Arrive Time	938
S6	22 Aug 2023	Weather	Hazy
S6	22 Aug 2023	Wind Speed (kts)	2.3
S6	22 Aug 2023	Wind Dir	W
S6	22 Aug 2023	Animal Life	
S6	22 Aug 2023	Floatables	None
S6	22 Aug 2023	Water Color	Green
S6	22 Aug 2023	Current Direction	S
S6	22 Aug 2023	Water Temp (C)	17
S6	22 Aug 2023	Wave Height Low (ft)	3
S6	22 Aug 2023	High Tide (ft)	3.6
S6	22 Aug 2023	High Tide Time	39
S6	22 Aug 2023	Low Tide (ft)	1.71
S6	22 Aug 2023	Low Tide Time	626
S6	22 Aug 2023	Comments	Water clear; Trash-2; Kelp;Seagrass;Algae
S6	29 Aug 2023	Arrive Time	911
S6	29 Aug 2023	Weather	Sunny

Station	Date	Parameter	Value
S6	29 Aug 2023	Wind Speed (kts)	6
S6	29 Aug 2023	Wind Dir	NW
S6	29 Aug 2023	Animal Life	
S6	29 Aug 2023	Floatables	None
S6	29 Aug 2023	Water Color	Green
S6	29 Aug 2023	Current Direction	S
S6	29 Aug 2023	Water Temp (C)	16
S6	29 Aug 2023	Wave Height Low (ft)	2
S6	29 Aug 2023	High Tide (ft)	4.47
S6	29 Aug 2023	High Tide Time	906
S6	29 Aug 2023	Low Tide (ft)	-1.01
S6	29 Aug 2023	Low Tide Time	256
S6	29 Aug 2023	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae
S8	01 Aug 2023	Arrive Time	817
S8	01 Aug 2023	Weather	Cloudy
S8	01 Aug 2023	Wind Speed (kts)	1.1
S8	01 Aug 2023	Wind Dir	W
S8	01 Aug 2023	Animal Life	
S8	01 Aug 2023	Floatables	None
S8	01 Aug 2023	Water Color	Green
S8	01 Aug 2023	Current Direction	S
S8	01 Aug 2023	Water Temp (C)	22
S8	01 Aug 2023	Wave Height Low (ft)	1
S8	01 Aug 2023	High Tide (ft)	4.18
S8	01 Aug 2023	High Tide Time	1013
S8	01 Aug 2023	Low Tide (ft)	-1.38
S8	01 Aug 2023	Low Tide Time	401
S8	01 Aug 2023	Comments	Water clear; Trash-1; Kelp;Seagrass
S8	08 Aug 2023	Arrive Time	812
S8	08 Aug 2023	Weather	Sunny
S8	08 Aug 2023	Wind Speed (kts)	2.6
S8	08 Aug 2023	Wind Dir	SW
S8	08 Aug 2023	Animal Life	
S8	08 Aug 2023	Floatables	None
S8	08 Aug 2023	Water Color	Green
S8	08 Aug 2023	Current Direction	S
S8	08 Aug 2023	Water Temp (C)	26
S8	08 Aug 2023	Wave Height Low (ft)	4
S8	08 Aug 2023	High Tide (ft)	3.19
S8	08 Aug 2023	High Tide Time	325
S8	08 Aug 2023	Low Tide (ft)	1.96
S8	08 Aug 2023	Low Tide Time	842
S8	08 Aug 2023	Comments	Water clear; Trash-1; Kelp;Seagrass
S8	15 Aug 2023	Arrive Time	957
S8	15 Aug 2023	Weather	Cloudy
S8	15 Aug 2023	Wind Speed (kts)	5
S8	15 Aug 2023	Wind Dir	W
S8	15 Aug 2023	Animal Life	
S8	15 Aug 2023	Floatables	None
S8	15 Aug 2023	Water Color	Green
S8	15 Aug 2023	Current Direction	S
S8	15 Aug 2023	Water Temp (C)	16
S8	15 Aug 2023	Wave Height Low (ft)	4
S8	15 Aug 2023	High Tide (ft)	4.06
S8	15 Aug 2023	High Tide Time	1005
S8	15 Aug 2023	Low Tide (ft)	-0.27
S8	15 Aug 2023	Low Tide Time	354
S8	15 Aug 2023	Comments	Water clear; Fisherpersion-1; Trash-1; Kelp;Debris

Station	Date	Parameter	Value
S8	22 Aug 2023	Arrive Time	819
S8	22 Aug 2023	Weather	Hazy
S8	22 Aug 2023	Wind Speed (kts)	0
S8	22 Aug 2023	Wind Dir	
S8	22 Aug 2023	Animal Life	Bird-2;
S8	22 Aug 2023	Floatables	None
S8	22 Aug 2023	Water Color	Green
S8	22 Aug 2023	Current Direction	S
S8	22 Aug 2023	Water Temp (C)	14
S8	22 Aug 2023	Wave Height Low (ft)	2
S8	22 Aug 2023	High Tide (ft)	3.6
S8	22 Aug 2023	High Tide Time	39
S8	22 Aug 2023	Low Tide (ft)	1.71
S8	22 Aug 2023	Low Tide Time	626
S8	22 Aug 2023	Comments	Water clear; Trash-2; Kelp;Seagrass
S8	29 Aug 2023	Arrive Time	813
S8	29 Aug 2023	Weather	Sunny
S8	29 Aug 2023	Wind Speed (kts)	0
S8	29 Aug 2023	Wind Dir	W
S8	29 Aug 2023	Animal Life	Bird-1;
S8	29 Aug 2023	Floatables	None
S8	29 Aug 2023	Water Color	Green
S8	29 Aug 2023	Current Direction	S
S8	29 Aug 2023	Water Temp (C)	17
S8	29 Aug 2023	Wave Height Low (ft)	1
S8	29 Aug 2023	High Tide (ft)	4.47
S8	29 Aug 2023	High Tide Time	906
S8	29 Aug 2023	Low Tide (ft)	-1.01
S8	29 Aug 2023	Low Tide Time	256
S8	29 Aug 2023	Comments	Water clear; Trash-1; Kelp;Seagrass
S9	01 Aug 2023	Arrive Time	801
S9	01 Aug 2023	Weather	Cloudy
S9	01 Aug 2023	Wind Speed (kts)	1.1
S9	01 Aug 2023	Wind Dir	W
S9	01 Aug 2023	Animal Life	
S9	01 Aug 2023	Floatables	None
S9	01 Aug 2023	Water Color	Green
S9	01 Aug 2023	Current Direction	S
S9	01 Aug 2023	Water Temp (C)	21
S9	01 Aug 2023	Wave Height Low (ft)	1
S9	01 Aug 2023	High Tide (ft)	4.18
S9	01 Aug 2023	High Tide Time	1013
S9	01 Aug 2023	Low Tide (ft)	-1.38
S9	01 Aug 2023	Low Tide Time	401
S9	01 Aug 2023	Comments	Water turbid; Trash-1; Seagrass;Kelp;Debris
S9	08 Aug 2023	Arrive Time	756
S9	08 Aug 2023	Weather	Sunny
S9	08 Aug 2023	Wind Speed (kts)	1.3
S9	08 Aug 2023	Wind Dir	W
S9	08 Aug 2023	Animal Life	
S9	08 Aug 2023	Floatables	None
S9	08 Aug 2023	Water Color	Green
S9	08 Aug 2023	Current Direction	S
S9	08 Aug 2023	Water Temp (C)	22
S9	08 Aug 2023	Wave Height Low (ft)	2
S9	08 Aug 2023	High Tide (ft)	3.19
S9	08 Aug 2023	High Tide Time	325

Station	Date	Parameter	Value
S9	08 Aug 2023	Low Tide (ft)	1.96
S9	08 Aug 2023	Low Tide Time	842
S9	08 Aug 2023	Comments	Water clear; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-9
S9	15 Aug 2023	Arrive Time	1101
S9	15 Aug 2023	Weather	Partly cloudy
S9	15 Aug 2023	Wind Speed (kts)	5.8
S9	15 Aug 2023	Wind Dir	N
S9	15 Aug 2023	Animal Life	
S9	15 Aug 2023	Floatables	None
S9	15 Aug 2023	Water Color	Green
S9	15 Aug 2023	Current Direction	S
S9	15 Aug 2023	Water Temp (C)	19
S9	15 Aug 2023	Wave Height Low (ft)	2
S9	15 Aug 2023	High Tide (ft)	4.06
S9	15 Aug 2023	High Tide Time	1005
S9	15 Aug 2023	Low Tide (ft)	-0.27
S9	15 Aug 2023	Low Tide Time	354
S9	15 Aug 2023	Comments	Water turbid; Surfer/Paddle boarder-2; Trash-1; Kelp;Seagrass;Debris; Sewage-like odor
S9	22 Aug 2023	Arrive Time	745
S9	22 Aug 2023	Weather	Foggy
S9	22 Aug 2023	Wind Speed (kts)	2.2
S9	22 Aug 2023	Wind Dir	NW
S9	22 Aug 2023	Animal Life	Bird-3;
S9	22 Aug 2023	Floatables	None
S9	22 Aug 2023	Water Color	Green
S9	22 Aug 2023	Current Direction	S
S9	22 Aug 2023	Water Temp (C)	13
S9	22 Aug 2023	Wave Height Low (ft)	2
S9	22 Aug 2023	High Tide (ft)	3.6
S9	22 Aug 2023	High Tide Time	39
S9	22 Aug 2023	Low Tide (ft)	1.71
S9	22 Aug 2023	Low Tide Time	626
S9	22 Aug 2023	Comments	Water clear; Trash-2; Kelp;Seagrass
S9	29 Aug 2023	Arrive Time	800
S9	29 Aug 2023	Weather	Sunny
S9	29 Aug 2023	Wind Speed (kts)	0
S9	29 Aug 2023	Wind Dir	W
S9	29 Aug 2023	Animal Life	Bird-2;
S9	29 Aug 2023	Floatables	None
S9	29 Aug 2023	Water Color	Green
S9	29 Aug 2023	Current Direction	S
S9	29 Aug 2023	Water Temp (C)	16
S9	29 Aug 2023	Wave Height Low (ft)	2
S9	29 Aug 2023	High Tide (ft)	4.47
S9	29 Aug 2023	High Tide Time	906
S9	29 Aug 2023	Low Tide (ft)	-1.01
S9	29 Aug 2023	Low Tide Time	256
S9	29 Aug 2023	Comments	Water clear; Trash-1
S10	01 Aug 2023	Arrive Time	956
S10	01 Aug 2023	Weather	Sunny
S10	01 Aug 2023	Wind Speed (kts)	5.6
S10	01 Aug 2023	Wind Dir	W
S10	01 Aug 2023	Animal Life	
S10	01 Aug 2023	Floatables	None
S10	01 Aug 2023	Water Color	Green

Station	Date	Parameter	Value
S10	01 Aug 2023	Current Direction	S
S10	01 Aug 2023	Water Temp (C)	22
S10	01 Aug 2023	Wave Height Low (ft)	1
S10	01 Aug 2023	High Tide (ft)	4.18
S10	01 Aug 2023	High Tide Time	1013
S10	01 Aug 2023	Low Tide (ft)	-1.38
S10	01 Aug 2023	Low Tide Time	401
S10	01 Aug 2023	Comments	Water clear; Trash-1; Kelp;Seagrass; Birdwatchers -2
S10	08 Aug 2023	Arrive Time	942
S10	08 Aug 2023	Weather	Sunny
S10	08 Aug 2023	Wind Speed (kts)	5
S10	08 Aug 2023	Wind Dir	W
S10	08 Aug 2023	Animal Life	
S10	08 Aug 2023	Floatables	None
S10	08 Aug 2023	Water Color	Green
S10	08 Aug 2023	Current Direction	S
S10	08 Aug 2023	Water Temp (C)	21
S10	08 Aug 2023	Wave Height Low (ft)	4
S10	08 Aug 2023	High Tide (ft)	3.19
S10	08 Aug 2023	High Tide Time	325
S10	08 Aug 2023	Low Tide (ft)	1.96
S10	08 Aug 2023	Low Tide Time	842
S10	08 Aug 2023	Comments	Water clear; Trash-2; Kelp;Seagrass
S10	15 Aug 2023	Arrive Time	837
S10	15 Aug 2023	Weather	Cloudy
S10	15 Aug 2023	Wind Speed (kts)	3.4
S10	15 Aug 2023	Wind Dir	W
S10	15 Aug 2023	Animal Life	
S10	15 Aug 2023	Floatables	None
S10	15 Aug 2023	Water Color	Green
S10	15 Aug 2023	Current Direction	S
S10	15 Aug 2023	Water Temp (C)	15
S10	15 Aug 2023	Wave Height Low (ft)	4
S10	15 Aug 2023	High Tide (ft)	4.06
S10	15 Aug 2023	High Tide Time	1005
S10	15 Aug 2023	Low Tide (ft)	-0.27
S10	15 Aug 2023	Low Tide Time	354
S10	15 Aug 2023	Comments	Water clear; Trash-2; Kelp;Seagrass;Debris
S10	22 Aug 2023	Arrive Time	1023
S10	22 Aug 2023	Weather	Sunny
S10	22 Aug 2023	Wind Speed (kts)	2.9
S10	22 Aug 2023	Wind Dir	W
S10	22 Aug 2023	Animal Life	
S10	22 Aug 2023	Floatables	None
S10	22 Aug 2023	Water Color	Green
S10	22 Aug 2023	Current Direction	S
S10	22 Aug 2023	Water Temp (C)	14
S10	22 Aug 2023	Wave Height Low (ft)	5
S10	22 Aug 2023	High Tide (ft)	3.6
S10	22 Aug 2023	High Tide Time	39
S10	22 Aug 2023	Low Tide (ft)	1.71
S10	22 Aug 2023	Low Tide Time	626
S10	22 Aug 2023	Comments	Water clear; Trash-2; Kelp;Seagrass;Debris
S10	29 Aug 2023	Arrive Time	1018
S10	29 Aug 2023	Weather	Foggy
S10	29 Aug 2023	Wind Speed (kts)	2.6
S10	29 Aug 2023	Wind Dir	S

Station	Date	Parameter	Value
S10	29 Aug 2023	Animal Life	
S10	29 Aug 2023	Floatables	None
S10	29 Aug 2023	Water Color	Green
S10	29 Aug 2023	Current Direction	S
S10	29 Aug 2023	Water Temp (C)	21
S10	29 Aug 2023	Wave Height Low (ft)	4
S10	29 Aug 2023	High Tide (ft)	4.47
S10	29 Aug 2023	High Tide Time	906
S10	29 Aug 2023	Low Tide (ft)	-1.01
S10	29 Aug 2023	Low Tide Time	256
S10	29 Aug 2023	Comments	Water clear; Trash-3; Seagrass;Kelp;Debris
S11	01 Aug 2023	Arrive Time	901
S11	01 Aug 2023	Weather	Sunny
S11	01 Aug 2023	Wind Speed (kts)	5.3
S11	01 Aug 2023	Wind Dir	W
S11	01 Aug 2023	Animal Life	
S11	01 Aug 2023	Floatables	Foam
S11	01 Aug 2023	Water Color	Green
S11	01 Aug 2023	Current Direction	S
S11	01 Aug 2023	Water Temp (C)	22
S11	01 Aug 2023	Wave Height Low (ft)	1
S11	01 Aug 2023	High Tide (ft)	4.18
S11	01 Aug 2023	High Tide Time	1013
S11	01 Aug 2023	Low Tide (ft)	-1.38
S11	01 Aug 2023	Low Tide Time	401
S11	01 Aug 2023	Comments	Water clear; Trash-1; Kelp;Seagrass
S11	08 Aug 2023	Arrive Time	855
S11	08 Aug 2023	Weather	Sunny
S11	08 Aug 2023	Wind Speed (kts)	1.7
S11	08 Aug 2023	Wind Dir	SW
S11	08 Aug 2023	Animal Life	
S11	08 Aug 2023	Floatables	None
S11	08 Aug 2023	Water Color	Green
S11	08 Aug 2023	Current Direction	S
S11	08 Aug 2023	Water Temp (C)	23
S11	08 Aug 2023	Wave Height Low (ft)	5
S11	08 Aug 2023	High Tide (ft)	3.19
S11	08 Aug 2023	High Tide Time	325
S11	08 Aug 2023	Low Tide (ft)	1.96
S11	08 Aug 2023	Low Tide Time	842
S11	08 Aug 2023	Comments	Water clear; Trash-2; Kelp;Seagrass
S11	15 Aug 2023	Arrive Time	922
S11	15 Aug 2023	Weather	Cloudy
S11	15 Aug 2023	Wind Speed (kts)	3.6
S11	15 Aug 2023	Wind Dir	W
S11	15 Aug 2023	Animal Life	Bird-1; Dog-1;
S11	15 Aug 2023	Floatables	None
S11	15 Aug 2023	Water Color	Green
S11	15 Aug 2023	Current Direction	S
S11	15 Aug 2023	Water Temp (C)	16
S11	15 Aug 2023	Wave Height Low (ft)	3
S11	15 Aug 2023	High Tide (ft)	4.06
S11	15 Aug 2023	High Tide Time	1005
S11	15 Aug 2023	Low Tide (ft)	-0.27
S11	15 Aug 2023	Low Tide Time	354
S11	15 Aug 2023	Comments	Water clear; Trash-2; Kelp;Seagrass;Debris; Person/Walker/Jogger-2

Station	Date	Parameter	Value
S11	22 Aug 2023	Arrive Time	933
S11	22 Aug 2023	Weather	Hazy
S11	22 Aug 2023	Wind Speed (kts)	1.5
S11	22 Aug 2023	Wind Dir	W
S11	22 Aug 2023	Animal Life	
S11	22 Aug 2023	Floatables	None
S11	22 Aug 2023	Water Color	Green
S11	22 Aug 2023	Current Direction	S
S11	22 Aug 2023	Water Temp (C)	12
S11	22 Aug 2023	Wave Height Low (ft)	5
S11	22 Aug 2023	High Tide (ft)	3.6
S11	22 Aug 2023	High Tide Time	39
S11	22 Aug 2023	Low Tide (ft)	1.71
S11	22 Aug 2023	Low Tide Time	626
S11	22 Aug 2023	Comments	Water clear; Trash-2; Kelp;Seagrass
S11	29 Aug 2023	Arrive Time	906
S11	29 Aug 2023	Weather	Sunny
S11	29 Aug 2023	Wind Speed (kts)	5.2
S11	29 Aug 2023	Wind Dir	NW
S11	29 Aug 2023	Animal Life	
S11	29 Aug 2023	Floatables	None
S11	29 Aug 2023	Water Color	Green
S11	29 Aug 2023	Current Direction	S
S11	29 Aug 2023	Water Temp (C)	14
S11	29 Aug 2023	Wave Height Low (ft)	3
S11	29 Aug 2023	High Tide (ft)	4.47
S11	29 Aug 2023	High Tide Time	906
S11	29 Aug 2023	Low Tide (ft)	-1.01
S11	29 Aug 2023	Low Tide Time	256
S11	29 Aug 2023	Comments	Water clear; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-1
S12	01 Aug 2023	Arrive Time	835
S12	01 Aug 2023	Weather	Partly cloudy
S12	01 Aug 2023	Wind Speed (kts)	2.8
S12	01 Aug 2023	Wind Dir	W
S12	01 Aug 2023	Animal Life	
S12	01 Aug 2023	Floatables	None
S12	01 Aug 2023	Water Color	Green
S12	01 Aug 2023	Current Direction	S
S12	01 Aug 2023	Water Temp (C)	22
S12	01 Aug 2023	Wave Height Low (ft)	1
S12	01 Aug 2023	High Tide (ft)	4.18
S12	01 Aug 2023	High Tide Time	1013
S12	01 Aug 2023	Low Tide (ft)	-1.38
S12	01 Aug 2023	Low Tide Time	401
S12	01 Aug 2023	Comments	Water clear; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-2
S12	08 Aug 2023	Arrive Time	828
S12	08 Aug 2023	Weather	Sunny
S12	08 Aug 2023	Wind Speed (kts)	0.9
S12	08 Aug 2023	Wind Dir	SW
S12	08 Aug 2023	Animal Life	
S12	08 Aug 2023	Floatables	None
S12	08 Aug 2023	Water Color	Green
S12	08 Aug 2023	Current Direction	S
S12	08 Aug 2023	Water Temp (C)	21
S12	08 Aug 2023	Wave Height Low (ft)	4
S12	08 Aug 2023	High Tide (ft)	3.19

Station	Date	Parameter	Value
S12	08 Aug 2023	High Tide Time	325
S12	08 Aug 2023	Low Tide (ft)	1.96
S12	08 Aug 2023	Low Tide Time	842
S12	08 Aug 2023	Comments	Water clear; Surfer/Paddle boarder-1; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-4
S12	15 Aug 2023	Arrive Time	941
S12	15 Aug 2023	Weather	Cloudy
S12	15 Aug 2023	Wind Speed (kts)	3.8
S12	15 Aug 2023	Wind Dir	W
S12	15 Aug 2023	Animal Life	
S12	15 Aug 2023	Floatables	None
S12	15 Aug 2023	Water Color	Green
S12	15 Aug 2023	Current Direction	S
S12	15 Aug 2023	Water Temp (C)	18
S12	15 Aug 2023	Wave Height Low (ft)	3
S12	15 Aug 2023	High Tide (ft)	4.06
S12	15 Aug 2023	High Tide Time	1005
S12	15 Aug 2023	Low Tide (ft)	-0.27
S12	15 Aug 2023	Low Tide Time	354
S12	15 Aug 2023	Comments	Water clear; Fisherpersion-2; Trash-2; Debris;Kelp;Seagrass; Person/Walker/Jogger-3
S12	22 Aug 2023	Arrive Time	851
S12	22 Aug 2023	Weather	Hazy
S12	22 Aug 2023	Wind Speed (kts)	0.4
S12	22 Aug 2023	Wind Dir	SW
S12	22 Aug 2023	Animal Life	Bird-3;
S12	22 Aug 2023	Floatables	None
S12	22 Aug 2023	Water Color	Green
S12	22 Aug 2023	Current Direction	S
S12	22 Aug 2023	Water Temp (C)	13
S12	22 Aug 2023	Wave Height Low (ft)	3
S12	22 Aug 2023	High Tide (ft)	3.6
S12	22 Aug 2023	High Tide Time	39
S12	22 Aug 2023	Low Tide (ft)	1.71
S12	22 Aug 2023	Low Tide Time	626
S12	22 Aug 2023	Comments	Water clear; Trash-3; Kelp;Seagrass; Person/Walker/Jogger-2
S12	29 Aug 2023	Arrive Time	829
S12	29 Aug 2023	Weather	Sunny
S12	29 Aug 2023	Wind Speed (kts)	0
S12	29 Aug 2023	Wind Dir	W
S12	29 Aug 2023	Animal Life	
S12	29 Aug 2023	Floatables	None
S12	29 Aug 2023	Water Color	Green
S12	29 Aug 2023	Current Direction	S
S12	29 Aug 2023	Water Temp (C)	17
S12	29 Aug 2023	Wave Height Low (ft)	2
S12	29 Aug 2023	High Tide (ft)	4.47
S12	29 Aug 2023	High Tide Time	906
S12	29 Aug 2023	Low Tide (ft)	-1.01
S12	29 Aug 2023	Low Tide Time	256
S12	29 Aug 2023	Comments	Water clear; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-1

Kelp Stations

Table 3.1

Summary of compliance with the Ocean Plan's 30-day Geometric Mean standard for fecal coliform bacteria at the SBOO kelp stations. Data are based on the geometric mean of the five most recent samples from each site over the previous 30 days unless otherwise noted (*). Values >200 CFU/100 mL exceed the standard.

Date	I19	I24	I25	I26	I32	I39	I40
01 Aug 2023	2	2	2	2	2	2	3
02 Aug 2023	2	2	2	2	2	2	3
03 Aug 2023	2	2	2	2	2	2	3
04 Aug 2023	2	2	4	2	2	2	2
05 Aug 2023	2	2	4	2	2	2	2
06 Aug 2023	2	2	4	2	2	2	2
07 Aug 2023	2	2	4	2	2	2	2
08 Aug 2023	2	2	4	2	2	2	2
09 Aug 2023	2	2	4	2	2	2	2
10 Aug 2023	2	2	4	2	2	2	2
11 Aug 2023	2	2	4	2	2	2	2
12 Aug 2023	2	2	4	2	2	2	2
13 Aug 2023	2	2	4	2	2	2	2
14 Aug 2023	2	2	4	2	2	2	2
15 Aug 2023	2	2	4	2	2	2	2
16 Aug 2023	2	2	4	2	2	2	2
17 Aug 2023	2	2	4	2	2	2	2
18 Aug 2023	2	2	4	2	2	2	2
19 Aug 2023	2	2	4	2	2	2	2
20 Aug 2023	2	2	4	2	2	2	2
21 Aug 2023	2	2	4	2	2	2	2
22 Aug 2023	2	2	4	2	2	2	2
23 Aug 2023	5	6	9	4	12	4	5
24 Aug 2023	5	6	9	4	12	4	5
25 Aug 2023	5	6	9	4	12	4	5
26 Aug 2023	6	7	13	5	18	5	7
27 Aug 2023	6	7	13	5	18	5	7
28 Aug 2023	6	10	13	12	42	11	11
29 Aug 2023	6	10	13	12	42	11	11
30 Aug 2023	6	10	13	12	42	11	11
31 Aug 2023	6	10	13	12	42	11	11

* Geometric mean calculated using n<5

Table 3.2

Summary of compliance at the SBOO kelp stations with the Ocean Plan's Single Sample Maximum standard for fecal coliform bacteria, which states that fecal coliform density shall not exceed 400 CFU/100 mL.

Date	I19	I24	I25	I26	I32	I39	I40
04 Aug 2023	IC	IC	IC	IC	IC	IC	IC
07 Aug 2023	IC	IC	IC	IC	IC	IC	IC
14 Aug 2023	IC	IC	IC	IC	IC	IC	IC
23 Aug 2023	IC	E	IC	IC	E	IC	IC
28 Aug 2023	IC	IC	IC	E	E	E	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 3.3

Summary of compliance with the Ocean Plan's 6-week Geometric Mean standard for *Enterococcus* at the SBOO kelp stations. Data are based on the geometric mean of the five most recent samples from each site over the previous 6 weeks unless otherwise noted (*). Values >30 CFU/100 mL exceed the standard.

Date	I19	I24	I25	I26	I32	I39	I40
01 Aug 2023	4	2	2	2	2	2	2
02 Aug 2023	4	2	2	2	2	2	2
03 Aug 2023	4	2	2	2	2	2	2
04 Aug 2023	4	2	3	2	2	2	2
05 Aug 2023	4	2	3	2	2	2	2
06 Aug 2023	4	2	3	2	2	2	2
07 Aug 2023	2	2	3	2	2	2	2
08 Aug 2023	2	2	3	2	2	2	2
09 Aug 2023	2	2	3	2	2	2	2
10 Aug 2023	2	2	3	2	2	2	2
11 Aug 2023	2	2	3	2	2	2	2
12 Aug 2023	2	2	3	2	2	2	2
13 Aug 2023	2	2	3	2	2	2	2
14 Aug 2023	3	3	3	2	2	2	3
15 Aug 2023	3	3	3	2	2	2	3
16 Aug 2023	3	3	4	2	2	2	4
17 Aug 2023	3	3	4	2	2	2	4
18 Aug 2023	3	3	4	2	2	2	4
19 Aug 2023	3	3	4	2	2	2	4
20 Aug 2023	3	3	4	2	2	2	4
21 Aug 2023	3	3	4	2	2	2	4
22 Aug 2023	3	3	4	2	2	2	4
23 Aug 2023	5	5	6	3	4	3	5
24 Aug 2023	5	6	6	3	4	3	6
25 Aug 2023	5	6	6	3	4	3	6
26 Aug 2023	5	6	6	3	4	3	6
27 Aug 2023	5	6	6	3	4	3	6
28 Aug 2023	5	6	6	5	7	5	7
29 Aug 2023	5	6	6	5	7	5	7
30 Aug 2023	6	8	8	6	9	6	9
31 Aug 2023	6	8	8	6	9	6	9

* Geometric mean calculated using n<5

Table 3.4

Summary of compliance at the SBOO kelp stations with the Ocean Plan's Statistical Threshold Value standard for *Enterococcus* bacteria, which states that *Enterococcus* density shall not exceed 110 CFU/100 mL in more than 10% of samples per month.

Date	I19	I24	I25	I26	I32	I39	I40
August	E	E	E	E	E	E	E

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 3.5

Summary of compliance with the Ocean Plan's 30-day Median standard for total coliform bacteria at the SBOO kelp stations. Data are based on the median of the five most recent samples from each site and depth over the previous 30 days unless otherwise noted (*). Values >70 CFU/100 mL exceed the standard. Median calculated using n<5

Date	I19			I24			I25			I26			I32			I39			I40		
	2m	6m	11m	2m	6m	11m	2m	6m	9m	2m	6m	9m	2m	6m	9m	2m	12m	18m	2m	6m	9m
01 Aug 2023	2	20	2	2	2	2	2	2	2	2	2	20	2	20	20	2	2	2	11	32	14
02 Aug 2023	2	20	2	2	2	2	2	2	2	2	2	20	2	20	20	2	2	2	11	32	14
03 Aug 2023	2	20	2	2	2	2	2	2	2	2	2	20	2	20	20	2	2	2	11	32	14
04 Aug 2023	2	20	11	2	11	11	7	11	11	2	2	20	2	20	20	2	2	2	11	32	14
05 Aug 2023	2	20	11	2	11	11	7	11	11	2	2	20	2	20	20	2	2	2	11	32	14
06 Aug 2023	2	20	11	2	11	11	7	11	11	2	2	20	2	20	20	2	2	2	11	32	14
07 Aug 2023	2	20	20	2	2	20	2	2	2	2	2	20	2	20	20	2	2	2	20	20	20
08 Aug 2023	2	20	20	2	2	20	2	2	2	2	2	20	2	20	20	2	2	2	20	20	20
09 Aug 2023	2	20	20	2	2	20	2	2	2	2	2	20	2	20	20	2	2	2	20	20	20
10 Aug 2023	2	20	20	2	2	20	2	2	2	2	2	20	2	20	20	2	2	2	20	20	20
11 Aug 2023	2	20	20	2	2	20	2	2	2	2	2	20	2	20	20	2	2	2	20	20	20
12 Aug 2023	11	20	20	2	11	20	7	11	11	2	2	11	11	20	20	2	2	3	20	40	20
13 Aug 2023	11	20	20	2	11	20	7	11	11	2	2	11	11	20	20	2	2	3	20	40	20
14 Aug 2023	20	20	20	2	20	20	2	20	20	2	2	20	2	20	20	2	2	2	20	20	20
15 Aug 2023	20	20	20	2	20	20	2	20	20	2	2	20	2	20	20	2	2	2	20	20	20
16 Aug 2023	20	20	20	2	20	20	2	20	20	2	2	20	2	20	20	2	2	2	20	20	20
17 Aug 2023	20	20	20	2	20	20	2	20	20	2	2	20	2	20	20	2	2	2	20	20	20
18 Aug 2023	20	20	20	15	21	20	7	21	11	11	11	20	2	20	20	8	2	2	20	20	20
19 Aug 2023	20	20	20	15	21	20	7	21	11	11	11	20	2	20	20	8	2	2	20	20	20
20 Aug 2023	20	20	20	15	21	20	7	21	11	11	11	20	2	20	20	8	2	2	20	20	20
21 Aug 2023	20	20	20	15	21	20	7	21	11	11	11	20	2	20	20	8	2	2	20	20	20
22 Aug 2023	20	20	20	15	21	20	7	21	11	11	11	20	2	20	20	8	2	2	20	20	20
23 Aug 2023	20	20	20	10	40	20	2	40	20	20	4	20	2	20	20	2	2	2	20	20	20
24 Aug 2023	20	20	20	10	40	20	2	40	20	20	4	20	2	20	20	2	2	2	20	20	20
25 Aug 2023	20	20	20	10	40	20	2	40	20	20	4	20	2	20	20	2	2	2	20	20	20
26 Aug 2023	30	20	20	19	220	110	2	220	110	20	110	12	110	20	110	8	5	3	40	110	110
27 Aug 2023	30	20	20	19	220	110	2	220	110	20	110	12	110	20	110	8	5	3	40	110	110
28 Aug 2023	20	20	20	28	40	200	2	140	80	20	200	20	200	20	60	14	4	20	60	200	200
29 Aug 2023	20	20	20	28	40	200	2	140	80	20	200	20	200	20	60	14	4	20	60	200	200
30 Aug 2023	20	20	20	28	40	200	2	140	80	20	200	20	200	20	60	14	4	20	60	200	200
31 Aug 2023	20	20	20	28	40	200	2	140	80	20	200	20	200	20	60	14	4	20	60	200	200

Table 3.6

Summary of compliance at the SBOO kelp stations with the Ocean Plan’s Statistical Threshold Value for total coliform bacteria, which states that total coliform density shall not exceed 230 CFU/100 mL in more than 10% of samples per station by depth, per month.

Date	I19			I24			I25			I26			I32			I39			I40		
	2m	6m	11m	2m	6m	11m	2m	6m	9m	2m	6m	9m	2m	6m	9m	2m	12m	18m	2m	6m	9m
August	IC	E	E	IC	E	E	IC	E	E	E	E	E	E	E	E	E	E	E	IC	E	E

IC = In Compliance
 E = Exceedance
 ns = not sampled
 ND = no data

Table 3.7

Summary of water quality parameters at the SBOO kelp stations for each sample date. Densities of total coliform (Total), fecal coliform (Fecal), and *Enterococcus* (Entero) bacteria are reported as CFU/100 mL; values for temperature (Temp, °C), transmissivity (XMS, ‰), dissolved oxygen (DO, mg/L), salinity (Sal, ppt) and pH were extracted from CTD profile data for depths closest to those at which the bacteriological samples were collected. Comments follow the data summary.

Station	Date	Time	Depth	Total	Fecal	Entero	Temp	XMS	DO	Sal	pH
I19	04 Aug 2023	1124	2	<20	<2	<2	21.3	78.56	8.5	33.45	8.2
I19	04 Aug 2023	1124	6	<20	2e	<2	20.2	69.63	8.7	33.44	8.2
I19	04 Aug 2023	1124	11	<20	2e	<2	16.6	56.29	8.1	33.35	8.2
I19	07 Aug 2023	1048	2	<20	<2	2e	19.8	76.42	8.8	33.41	8.2
I19	07 Aug 2023	1048	6	<2	<2	<2	16.0	78.36	8.8	33.29	8.2
I19	07 Aug 2023	1048	11	<20	<2	<2	15.2	59.42	7.0	33.33	8.0
I19	14 Aug 2023	1005	2	40e	2e	42	18.7	74.71	8.3	33.34	8.2
I19	14 Aug 2023	1005	6	<20	<2	<2	14.1	71.78	7.7	33.29	8.1
I19	14 Aug 2023	1005	11	<20	<2	2e	13.7	62.83	7.6	33.27	8.0
I19	23 Aug 2023	1048	2	100e	28e	22e	17.0	75.68	8.8	33.15	8.2
I19	23 Aug 2023	1048	6	1000e	86	50	16.6	67.62	8.9	33.13	8.2
I19	23 Aug 2023	1048	11	1800e	300e	200e	16.1	57.27	8.9	33.11	8.2
I19	28 Aug 2023	1034	2	14e	<2	2e	15.9	72.58	8.3	33.15	8.1
I19	28 Aug 2023	1034	6	<20	<2	2e	14.5	80.47	8.0	33.20	8.1
I19	28 Aug 2023	1034	11	80e	<20	10e	14.0	66.53	7.4	33.23	8.0
I24	04 Aug 2023	1140	2	28e	2e	<2	21.4	80.00	8.4	33.43	8.2
I24	04 Aug 2023	1140	6	400e	6e	8e	17.5	69.97	8.4	33.38	8.2
I24	04 Aug 2023	1140	11	<200	<2	<2	15.8	62.97	8.1	33.35	8.1
I24	07 Aug 2023	1107	2	<2	<2	<2	19.1	78.74	8.8	33.37	8.2
I24	07 Aug 2023	1107	6	<2	<2	<2	14.8	85.26	8.8	33.26	8.1
I24	07 Aug 2023	1107	11	<20	<2	<2	14.9	65.74	7.5	33.32	8.0
I24	14 Aug 2023	1024	2	<200	2e	20e	19.5	77.20	8.6	33.37	8.2
I24	14 Aug 2023	1024	6	40e	2e	2e	14.8	77.48	8.2	33.23	8.1
I24	14 Aug 2023	1024	11	<20	<2	<2	13.7	69.78	7.4	33.27	8.0
I24	23 Aug 2023	1111	2	10e	<2	<2	17.4	85.19	8.7	33.18	8.2
I24	23 Aug 2023	1111	6	1000e	200e	180e	16.3	60.59	8.7	33.12	8.2
I24	23 Aug 2023	1111	11	4000	440e	160e	16.2	51.85	8.7	33.12	8.2
I24	28 Aug 2023	1052	2	28e	50	20e	17.2	75.57	8.7	33.11	8.2
I24	28 Aug 2023	1052	6	24e	2e	<2	14.5	86.09	8.3	33.19	8.1
I24	28 Aug 2023	1052	11	800e	80e	28e	14.0	61.49	7.4	33.22	8.0
I25	04 Aug 2023	1147	2	12e	<2	<2	21.1	77.32	8.5	33.42	8.2
I25	04 Aug 2023	1147	6	400e	120e	36e	17.6	61.47	7.5	33.41	8.2
I25	04 Aug 2023	1147	9	<200	14e	10e	17.3	64.64	7.5	33.34	8.1
I25	07 Aug 2023	1114	2	<2	<2	<2	19.7	74.01	8.7	33.39	8.2
I25	07 Aug 2023	1114	6	2e	<2	<2	15.1	80.82	8.6	33.27	8.1
I25	07 Aug 2023	1114	9	<2	<2	<2	15.2	78.29	8.4	33.29	8.1
I25	14 Aug 2023	1030	2	2e	<2	6e	20.1	83.79	8.8	33.39	8.2
I25	14 Aug 2023	1030	6	40e	2e	6e	14.4	76.63	7.9	33.25	8.1
I25	14 Aug 2023	1030	9	<20	<2	<2	14.1	71.98	7.6	33.26	8.0

Station	Date	Time	Depth	Total	Fecal	Entero	Temp	XMS	DO	Sal	pH
I25	23 Aug 2023	1120	2	2e	2e	2e	17.7	84.97	8.7	33.19	8.2
I25	23 Aug 2023	1120	6	2200e	200e	100e	16.4	62.01	8.8	33.12	8.2
I25	23 Aug 2023	1120	9	2200e	300e	240e	16.3	59.79	8.8	33.12	8.2
I25	28 Aug 2023	1059	2	22e	14e	10e	16.7	77.42	9.1	33.16	8.2
I25	28 Aug 2023	1059	6	140e	6e	6e	15.0	84.74	8.5	33.18	8.1
I25	28 Aug 2023	1059	9	80e	20e	4e	14.2	79.60	7.7	33.21	8.1
I26	04 Aug 2023	1154	2	<2	<2	<2	21.7	76.64	8.4	33.44	8.2
I26	04 Aug 2023	1154	6	<20	<2	<2	19.5	76.57	8.6	33.41	8.2
I26	04 Aug 2023	1154	9	<20	<2	<2	16.8	64.68	8.0	33.45	8.2
I26	07 Aug 2023	1126	2	<20	<2	<2	20.4	73.08	9.0	33.38	8.2
I26	07 Aug 2023	1126	6	<2	<2	<2	16.1	85.89	8.9	33.27	8.2
I26	07 Aug 2023	1126	9	<2	<2	<2	15.5	76.96	8.2	33.28	8.1
I26	14 Aug 2023	1038	2	<20	<2	<2	20.1	83.60	8.8	33.40	8.2
I26	14 Aug 2023	1038	6	<200	<2	<2	16.6	79.07	8.3	33.35	8.2
I26	14 Aug 2023	1038	9	4e	<2	<2	14.2	83.64	8.2	33.25	8.1
I26	23 Aug 2023	1128	2	20e	16e	6e	17.7	83.09	8.7	33.17	8.2
I26	23 Aug 2023	1128	6	200e	120e	24e	16.7	70.16	8.9	33.12	8.2
I26	23 Aug 2023	1128	9	1000e	140e	72	16.7	70.05	8.9	33.13	8.2
I26	28 Aug 2023	1108	2	1000e	80e	20e	16.3	74.40	8.9	33.16	8.2
I26	28 Aug 2023	1108	6	>=16000	500	140e	15.4	77.08	8.2	33.18	8.1
I26	28 Aug 2023	1108	9	2400e	620	80e	14.3	66.01	7.5	33.20	8.0
I32	04 Aug 2023	1203	2	<200	<2	<2	21.2	74.01	8.0	33.46	8.2
I32	04 Aug 2023	1203	6	20e	4e	<2	16.7	57.05	7.5	33.43	8.2
I32	04 Aug 2023	1203	9	<200	<2	<2	16.3	51.15	7.8	33.32	8.1
I32	07 Aug 2023	1137	2	<20	2e	<2	20.2	71.12	8.3	33.38	8.2
I32	07 Aug 2023	1137	6	<20	<2	<2	15.4	73.24	8.4	33.28	8.1
I32	07 Aug 2023	1137	9	<20	<2	<2	15.1	73.89	8.2	33.28	8.1
I32	14 Aug 2023	1049	2	<20	<2	<2	19.5	81.64	8.9	33.37	8.2
I32	14 Aug 2023	1049	6	<20	<2	<2	15.5	70.75	8.0	33.31	8.1
I32	14 Aug 2023	1049	9	<20	<2	<2	14.4	63.64	7.9	33.23	8.1
I32	23 Aug 2023	1139	2	>=16000	>12000	140e	17.4	50.83	10.0	32.53	8.2
I32	23 Aug 2023	1139	6	>=16000	>12000	280e	16.5	66.99	9.0	33.01	8.2
I32	23 Aug 2023	1139	9	>=16000	4800	140e	16.2	72.87	8.8	33.07	8.2
I32	28 Aug 2023	1117	2	60	10e	2e	17.3	78.05	9.5	33.15	8.2
I32	28 Aug 2023	1117	6	>=16000	1800e	240e	16.6	59.48	9.0	33.08	8.2
I32	28 Aug 2023	1117	9	>=16000	2000e	320e	14.5	58.77	7.7	33.20	8.1
I39	04 Aug 2023	1057	2	14e	8e	<2	20.6	84.04	NA	NA	8.2
I39	04 Aug 2023	1057	12	<2	<2	<2	15.2	80.56	8.6	33.42	8.2
I39	04 Aug 2023	1057	18	2e	<2	<2	14.7	79.93	8.0	33.36	8.1
I39	07 Aug 2023	1030	2	<2	<2	<2	20.7	79.09	9.0	33.42	8.2
I39	07 Aug 2023	1030	12	8e	<2	<2	13.7	85.74	8.3	33.25	8.1
I39	07 Aug 2023	1030	18	4e	2e	<2	13.7	86.62	8.1	33.29	8.1
I39	14 Aug 2023	948	2	<20	<2	<2	19.8	83.98	8.8	33.41	8.2
I39	14 Aug 2023	948	12	<2	<2	<2	13.8	87.79	8.1	33.27	8.1
I39	14 Aug 2023	948	18	<2	<2	<2	12.7	87.65	7.0	33.31	8.0
I39	23 Aug 2023	1029	2	<2	<2	<2	17.9	85.05	8.7	33.18	8.2

Station	Date	Time	Depth	Total	Fecal	Entero	Temp	XMS	DO	Sal	pH
I39	23 Aug 2023	1029	12	1000e	88	66	16.6	69.72	8.8	33.14	8.2
I39	23 Aug 2023	1029	18	800e	60e	46	16.5	68.80	8.8	33.14	8.2
I39	28 Aug 2023	1015	2	4000	520	160e	17.5	74.28	9.1	33.06	8.2
I39	28 Aug 2023	1015	12	<20	8e	2e	13.8	86.05	7.6	33.24	8.0
I39	28 Aug 2023	1015	18	38e	4e	<2	13.1	84.53	6.5	33.30	8.0
I40	04 Aug 2023	1133	2	<20	<2	<2	20.7	73.31	8.0	33.40	8.2
I40	04 Aug 2023	1133	6	200e	<2	2e	18.1	62.36	8.3	33.38	8.2
I40	04 Aug 2023	1133	9	<200	<2	<2	16.8	75.96	8.2	33.36	8.2
I40	07 Aug 2023	1055	2	<20	<2	<2	20.1	70.17	8.8	33.40	8.2
I40	07 Aug 2023	1055	6	<20	<2	<2	15.8	74.37	8.6	33.29	8.1
I40	07 Aug 2023	1055	9	<20	<2	<2	15.6	70.82	8.1	33.31	8.1
I40	14 Aug 2023	1013	2	<200	4e	120	18.9	78.13	8.2	33.34	8.2
I40	14 Aug 2023	1013	6	<20	<2	12e	14.8	80.38	8.2	33.25	8.1
I40	14 Aug 2023	1013	9	<20	<2	2e	13.9	61.14	7.7	33.26	8.0
I40	23 Aug 2023	1102	2	60e	34e	4e	17.6	79.89	8.7	33.16	8.2
I40	23 Aug 2023	1102	6	1200e	320e	72	16.4	65.56	8.9	33.12	8.2
I40	23 Aug 2023	1102	9	800e	220e	90	16.4	58.97	8.9	33.11	8.2
I40	28 Aug 2023	1043	2	8e	6e	6e	16.0	79.41	8.6	33.18	8.1
I40	28 Aug 2023	1043	6	60e	2e	2e	14.9	80.49	8.3	33.18	8.1
I40	28 Aug 2023	1043	9	1000e	200e	54	14.2	52.20	6.8	33.21	8.0

ns = not sampled

ND = no data

Comments

Station	Date	Depth	Parameter	Comments
I39	04 Aug 2023			Salinity, DO, density data omitted in upper 7m due to bubbles

Table 3.8

Summary of visual observations made during the month for each SBOO kelp station by sample date.

Station	Date	Parameter	Value
I19	04 Aug 2023	Depth (m)	11
I19	04 Aug 2023	Arrive Time	1124
I19	04 Aug 2023	Depart Time	1126
I19	04 Aug 2023	Air Temp (C)	
I19	04 Aug 2023	Weather	Clear
I19	04 Aug 2023	Visibility (mi)	10
I19	04 Aug 2023	Wind Speed (kts)	
I19	04 Aug 2023	Wind Dir	
I19	04 Aug 2023	Water Color	Green
I19	04 Aug 2023	Wave Ht Low (ft)	3.6
I19	04 Aug 2023	Wave Period (sec)	8
I19	04 Aug 2023	Sea State	Calm
I19	04 Aug 2023	High Tide (ft)	6.08
I19	04 Aug 2023	High Tide Time	6
I19	04 Aug 2023	Low Tide (ft)	-0.69
I19	04 Aug 2023	Low Tide Time	548
I19	04 Aug 2023	Comments	none
I19	07 Aug 2023	Depth (m)	10
I19	07 Aug 2023	Arrive Time	1048
I19	07 Aug 2023	Depart Time	1056
I19	07 Aug 2023	Air Temp (C)	19.7
I19	07 Aug 2023	Weather	Clear
I19	07 Aug 2023	Visibility (mi)	8
I19	07 Aug 2023	Wind Speed (kts)	6.3
I19	07 Aug 2023	Wind Dir	S
I19	07 Aug 2023	Water Color	Greenish-Blue
I19	07 Aug 2023	Wave Ht Low (ft)	2
I19	07 Aug 2023	Wave Period (sec)	15
I19	07 Aug 2023	Sea State	Calm
I19	07 Aug 2023	High Tide (ft)	5.24
I19	07 Aug 2023	High Tide Time	1436
I19	07 Aug 2023	Low Tide (ft)	1.37
I19	07 Aug 2023	Low Tide Time	2142
I19	07 Aug 2023	Comments	none
I19	14 Aug 2023	Depth (m)	10
I19	14 Aug 2023	Arrive Time	1005
I19	14 Aug 2023	Depart Time	1010
I19	14 Aug 2023	Air Temp (C)	19.7
I19	14 Aug 2023	Weather	Overcast
I19	14 Aug 2023	Visibility (mi)	3
I19	14 Aug 2023	Wind Speed (kts)	0.7
I19	14 Aug 2023	Wind Dir	S
I19	14 Aug 2023	Water Color	Green
I19	14 Aug 2023	Wave Ht Low (ft)	2
I19	14 Aug 2023	Wave Period (sec)	12
I19	14 Aug 2023	Sea State	Light Chop
I19	14 Aug 2023	High Tide (ft)	6
I19	14 Aug 2023	High Tide Time	2042
I19	14 Aug 2023	Low Tide (ft)	-0.32
I19	14 Aug 2023	Low Tide Time	318
I19	14 Aug 2023	Comments	none
I19	23 Aug 2023	Depth (m)	11
I19	23 Aug 2023	Arrive Time	1048

Station	Date	Parameter	Value
I19	23 Aug 2023	Depart Time	1051
I19	23 Aug 2023	Air Temp (C)	19
I19	23 Aug 2023	Weather	Clear
I19	23 Aug 2023	Visibility (mi)	14
I19	23 Aug 2023	Wind Speed (kts)	0
I19	23 Aug 2023	Wind Dir	E
I19	23 Aug 2023	Water Color	Green
I19	23 Aug 2023	Wave Ht Low (ft)	3
I19	23 Aug 2023	Wave Period (sec)	13
I19	23 Aug 2023	Sea State	Calm
I19	23 Aug 2023	High Tide (ft)	4.86
I19	23 Aug 2023	High Tide Time	1354
I19	23 Aug 2023	Low Tide (ft)	1.55
I19	23 Aug 2023	Low Tide Time	2206
I19	23 Aug 2023	Comments	none
I19	28 Aug 2023	Depth (m)	11
I19	28 Aug 2023	Arrive Time	1034
I19	28 Aug 2023	Depart Time	1039
I19	28 Aug 2023	Air Temp (C)	19.2
I19	28 Aug 2023	Weather	Partly Cloudy
I19	28 Aug 2023	Visibility (mi)	4
I19	28 Aug 2023	Wind Speed (kts)	3.2
I19	28 Aug 2023	Wind Dir	SW
I19	28 Aug 2023	Water Color	Green
I19	28 Aug 2023	Wave Ht Low (ft)	2.3
I19	28 Aug 2023	Wave Period (sec)	15
I19	28 Aug 2023	Sea State	Wind Ripples
I19	28 Aug 2023	High Tide (ft)	6.67
I19	28 Aug 2023	High Tide Time	1942
I19	28 Aug 2023	Low Tide (ft)	-0.75
I19	28 Aug 2023	Low Tide Time	212
I19	28 Aug 2023	Comments	none
I24	04 Aug 2023	Depth (m)	12
I24	04 Aug 2023	Arrive Time	1140
I24	04 Aug 2023	Depart Time	1143
I24	04 Aug 2023	Air Temp (C)	
I24	04 Aug 2023	Weather	Clear
I24	04 Aug 2023	Visibility (mi)	11
I24	04 Aug 2023	Wind Speed (kts)	
I24	04 Aug 2023	Wind Dir	
I24	04 Aug 2023	Water Color	Green
I24	04 Aug 2023	Wave Ht Low (ft)	3.6
I24	04 Aug 2023	Wave Period (sec)	8
I24	04 Aug 2023	Sea State	Calm
I24	04 Aug 2023	High Tide (ft)	6.08
I24	04 Aug 2023	High Tide Time	6
I24	04 Aug 2023	Low Tide (ft)	-0.69
I24	04 Aug 2023	Low Tide Time	548
I24	04 Aug 2023	Comments	none
I24	07 Aug 2023	Depth (m)	9
I24	07 Aug 2023	Arrive Time	1107
I24	07 Aug 2023	Depart Time	1112
I24	07 Aug 2023	Air Temp (C)	20.5
I24	07 Aug 2023	Weather	Clear
I24	07 Aug 2023	Visibility (mi)	8
I24	07 Aug 2023	Wind Speed (kts)	5.8
I24	07 Aug 2023	Wind Dir	S
I24	07 Aug 2023	Water Color	Green

Station	Date	Parameter	Value
I24	07 Aug 2023	Wave Ht Low (ft)	2
I24	07 Aug 2023	Wave Period (sec)	15
I24	07 Aug 2023	Sea State	Calm
I24	07 Aug 2023	High Tide (ft)	5.24
I24	07 Aug 2023	High Tide Time	1436
I24	07 Aug 2023	Low Tide (ft)	1.37
I24	07 Aug 2023	Low Tide Time	2142
I24	07 Aug 2023	Comments	none
I24	14 Aug 2023	Depth (m)	11
I24	14 Aug 2023	Arrive Time	1024
I24	14 Aug 2023	Depart Time	1027
I24	14 Aug 2023	Air Temp (C)	20
I24	14 Aug 2023	Weather	Overcast
I24	14 Aug 2023	Visibility (mi)	3
I24	14 Aug 2023	Wind Speed (kts)	1.9
I24	14 Aug 2023	Wind Dir	W
I24	14 Aug 2023	Water Color	Green
I24	14 Aug 2023	Wave Ht Low (ft)	2
I24	14 Aug 2023	Wave Period (sec)	12
I24	14 Aug 2023	Sea State	Light Chop
I24	14 Aug 2023	High Tide (ft)	6
I24	14 Aug 2023	High Tide Time	2042
I24	14 Aug 2023	Low Tide (ft)	-0.32
I24	14 Aug 2023	Low Tide Time	318
I24	14 Aug 2023	Comments	none
I24	23 Aug 2023	Depth (m)	9
I24	23 Aug 2023	Arrive Time	1111
I24	23 Aug 2023	Depart Time	1120
I24	23 Aug 2023	Air Temp (C)	19.3
I24	23 Aug 2023	Weather	Clear
I24	23 Aug 2023	Visibility (mi)	14
I24	23 Aug 2023	Wind Speed (kts)	4.1
I24	23 Aug 2023	Wind Dir	W
I24	23 Aug 2023	Water Color	Green
I24	23 Aug 2023	Wave Ht Low (ft)	3
I24	23 Aug 2023	Wave Period (sec)	13
I24	23 Aug 2023	Sea State	Calm
I24	23 Aug 2023	High Tide (ft)	4.86
I24	23 Aug 2023	High Tide Time	1354
I24	23 Aug 2023	Low Tide (ft)	1.55
I24	23 Aug 2023	Low Tide Time	2206
I24	23 Aug 2023	Comments	none
I24	28 Aug 2023	Depth (m)	9
I24	28 Aug 2023	Arrive Time	1052
I24	28 Aug 2023	Depart Time	1056
I24	28 Aug 2023	Air Temp (C)	19.6
I24	28 Aug 2023	Weather	Partly Cloudy
I24	28 Aug 2023	Visibility (mi)	8
I24	28 Aug 2023	Wind Speed (kts)	3.1
I24	28 Aug 2023	Wind Dir	NW
I24	28 Aug 2023	Water Color	Green
I24	28 Aug 2023	Wave Ht Low (ft)	2.3
I24	28 Aug 2023	Wave Period (sec)	15
I24	28 Aug 2023	Sea State	Wind Ripples
I24	28 Aug 2023	High Tide (ft)	6.67
I24	28 Aug 2023	High Tide Time	1942
I24	28 Aug 2023	Low Tide (ft)	-0.75
I24	28 Aug 2023	Low Tide Time	212

Station	Date	Parameter	Value
I24	28 Aug 2023	Comments	none
I25	04 Aug 2023	Depth (m)	10
I25	04 Aug 2023	Arrive Time	1147
I25	04 Aug 2023	Depart Time	1149
I25	04 Aug 2023	Air Temp (C)	19.3
I25	04 Aug 2023	Weather	Clear
I25	04 Aug 2023	Visibility (mi)	11
I25	04 Aug 2023	Wind Speed (kts)	4.8
I25	04 Aug 2023	Wind Dir	SW
I25	04 Aug 2023	Water Color	Green
I25	04 Aug 2023	Wave Ht Low (ft)	3.6
I25	04 Aug 2023	Wave Period (sec)	8
I25	04 Aug 2023	Sea State	Calm
I25	04 Aug 2023	High Tide (ft)	6.08
I25	04 Aug 2023	High Tide Time	6
I25	04 Aug 2023	Low Tide (ft)	-0.69
I25	04 Aug 2023	Low Tide Time	548
I25	04 Aug 2023	Comments	none
I25	07 Aug 2023	Depth (m)	9
I25	07 Aug 2023	Arrive Time	1114
I25	07 Aug 2023	Depart Time	1121
I25	07 Aug 2023	Air Temp (C)	20.5
I25	07 Aug 2023	Weather	Clear
I25	07 Aug 2023	Visibility (mi)	8
I25	07 Aug 2023	Wind Speed (kts)	6.6
I25	07 Aug 2023	Wind Dir	S
I25	07 Aug 2023	Water Color	Green
I25	07 Aug 2023	Wave Ht Low (ft)	2
I25	07 Aug 2023	Wave Period (sec)	15
I25	07 Aug 2023	Sea State	Calm
I25	07 Aug 2023	High Tide (ft)	5.24
I25	07 Aug 2023	High Tide Time	1436
I25	07 Aug 2023	Low Tide (ft)	1.37
I25	07 Aug 2023	Low Tide Time	2142
I25	07 Aug 2023	Comments	none
I25	14 Aug 2023	Depth (m)	9
I25	14 Aug 2023	Arrive Time	1030
I25	14 Aug 2023	Depart Time	1033
I25	14 Aug 2023	Air Temp (C)	20
I25	14 Aug 2023	Weather	Overcast
I25	14 Aug 2023	Visibility (mi)	3
I25	14 Aug 2023	Wind Speed (kts)	1.4
I25	14 Aug 2023	Wind Dir	SW
I25	14 Aug 2023	Water Color	Green
I25	14 Aug 2023	Wave Ht Low (ft)	2
I25	14 Aug 2023	Wave Period (sec)	12
I25	14 Aug 2023	Sea State	Light Chop
I25	14 Aug 2023	High Tide (ft)	6
I25	14 Aug 2023	High Tide Time	2042
I25	14 Aug 2023	Low Tide (ft)	-0.32
I25	14 Aug 2023	Low Tide Time	318
I25	14 Aug 2023	Comments	none
I25	23 Aug 2023	Depth (m)	10
I25	23 Aug 2023	Arrive Time	1120
I25	23 Aug 2023	Depart Time	1122
I25	23 Aug 2023	Air Temp (C)	19.3
I25	23 Aug 2023	Weather	Clear

Station	Date	Parameter	Value
I25	23 Aug 2023	Visibility (mi)	14
I25	23 Aug 2023	Wind Speed (kts)	8.3
I25	23 Aug 2023	Wind Dir	W
I25	23 Aug 2023	Water Color	Green
I25	23 Aug 2023	Wave Ht Low (ft)	3
I25	23 Aug 2023	Wave Period (sec)	13
I25	23 Aug 2023	Sea State	Calm
I25	23 Aug 2023	High Tide (ft)	4.86
I25	23 Aug 2023	High Tide Time	1354
I25	23 Aug 2023	Low Tide (ft)	1.55
I25	23 Aug 2023	Low Tide Time	2206
I25	23 Aug 2023	Comments	none
I25	28 Aug 2023	Depth (m)	9
I25	28 Aug 2023	Arrive Time	1059
I25	28 Aug 2023	Depart Time	1103
I25	28 Aug 2023	Air Temp (C)	19.8
I25	28 Aug 2023	Weather	Partly Cloudy
I25	28 Aug 2023	Visibility (mi)	8
I25	28 Aug 2023	Wind Speed (kts)	1.9
I25	28 Aug 2023	Wind Dir	S
I25	28 Aug 2023	Water Color	Green
I25	28 Aug 2023	Wave Ht Low (ft)	2.3
I25	28 Aug 2023	Wave Period (sec)	15
I25	28 Aug 2023	Sea State	Wind Ripples
I25	28 Aug 2023	High Tide (ft)	6.67
I25	28 Aug 2023	High Tide Time	1942
I25	28 Aug 2023	Low Tide (ft)	-0.75
I25	28 Aug 2023	Low Tide Time	212
I25	28 Aug 2023	Comments	none
I26	04 Aug 2023	Depth (m)	10
I26	04 Aug 2023	Arrive Time	1154
I26	04 Aug 2023	Depart Time	1157
I26	04 Aug 2023	Air Temp (C)	19.2
I26	04 Aug 2023	Weather	Clear
I26	04 Aug 2023	Visibility (mi)	11
I26	04 Aug 2023	Wind Speed (kts)	5.6
I26	04 Aug 2023	Wind Dir	S
I26	04 Aug 2023	Water Color	Green
I26	04 Aug 2023	Wave Ht Low (ft)	3.6
I26	04 Aug 2023	Wave Period (sec)	8
I26	04 Aug 2023	Sea State	Calm
I26	04 Aug 2023	High Tide (ft)	6.08
I26	04 Aug 2023	High Tide Time	6
I26	04 Aug 2023	Low Tide (ft)	-0.69
I26	04 Aug 2023	Low Tide Time	548
I26	04 Aug 2023	Comments	none
I26	07 Aug 2023	Depth (m)	9
I26	07 Aug 2023	Arrive Time	1126
I26	07 Aug 2023	Depart Time	1131
I26	07 Aug 2023	Air Temp (C)	20.6
I26	07 Aug 2023	Weather	Clear
I26	07 Aug 2023	Visibility (mi)	8
I26	07 Aug 2023	Wind Speed (kts)	8.3
I26	07 Aug 2023	Wind Dir	S
I26	07 Aug 2023	Water Color	Green
I26	07 Aug 2023	Wave Ht Low (ft)	2
I26	07 Aug 2023	Wave Period (sec)	15
I26	07 Aug 2023	Sea State	Calm

Station	Date	Parameter	Value
I26	07 Aug 2023	High Tide (ft)	5.24
I26	07 Aug 2023	High Tide Time	1436
I26	07 Aug 2023	Low Tide (ft)	1.37
I26	07 Aug 2023	Low Tide Time	2142
I26	07 Aug 2023	Comments	none
I26	14 Aug 2023	Depth (m)	9
I26	14 Aug 2023	Arrive Time	1038
I26	14 Aug 2023	Depart Time	1042
I26	14 Aug 2023	Air Temp (C)	20.2
I26	14 Aug 2023	Weather	Overcast
I26	14 Aug 2023	Visibility (mi)	3
I26	14 Aug 2023	Wind Speed (kts)	9.9
I26	14 Aug 2023	Wind Dir	NW
I26	14 Aug 2023	Water Color	Green
I26	14 Aug 2023	Wave Ht Low (ft)	2
I26	14 Aug 2023	Wave Period (sec)	12
I26	14 Aug 2023	Sea State	Light Chop
I26	14 Aug 2023	High Tide (ft)	6
I26	14 Aug 2023	High Tide Time	2042
I26	14 Aug 2023	Low Tide (ft)	-0.32
I26	14 Aug 2023	Low Tide Time	318
I26	14 Aug 2023	Comments	none
I26	23 Aug 2023	Depth (m)	9
I26	23 Aug 2023	Arrive Time	1128
I26	23 Aug 2023	Depart Time	1131
I26	23 Aug 2023	Air Temp (C)	19.5
I26	23 Aug 2023	Weather	Clear
I26	23 Aug 2023	Visibility (mi)	14
I26	23 Aug 2023	Wind Speed (kts)	4.5
I26	23 Aug 2023	Wind Dir	SW
I26	23 Aug 2023	Water Color	Green
I26	23 Aug 2023	Wave Ht Low (ft)	3
I26	23 Aug 2023	Wave Period (sec)	13
I26	23 Aug 2023	Sea State	Calm
I26	23 Aug 2023	High Tide (ft)	4.86
I26	23 Aug 2023	High Tide Time	1354
I26	23 Aug 2023	Low Tide (ft)	1.55
I26	23 Aug 2023	Low Tide Time	2206
I26	23 Aug 2023	Comments	none
I26	28 Aug 2023	Depth (m)	9
I26	28 Aug 2023	Arrive Time	1108
I26	28 Aug 2023	Depart Time	1112
I26	28 Aug 2023	Air Temp (C)	20.1
I26	28 Aug 2023	Weather	Partly Cloudy
I26	28 Aug 2023	Visibility (mi)	8
I26	28 Aug 2023	Wind Speed (kts)	5.4
I26	28 Aug 2023	Wind Dir	W
I26	28 Aug 2023	Water Color	Green
I26	28 Aug 2023	Wave Ht Low (ft)	2.3
I26	28 Aug 2023	Wave Period (sec)	15
I26	28 Aug 2023	Sea State	Wind Ripples
I26	28 Aug 2023	High Tide (ft)	6.67
I26	28 Aug 2023	High Tide Time	1942
I26	28 Aug 2023	Low Tide (ft)	-0.75
I26	28 Aug 2023	Low Tide Time	212
I26	28 Aug 2023	Comments	none
I32	04 Aug 2023	Depth (m)	10, 13

Station	Date	Parameter	Value
I32	04 Aug 2023	Arrive Time	1203, 1210
I32	04 Aug 2023	Depart Time	1207, 1211
I32	04 Aug 2023	Air Temp (C)	19.1, 19.5
I32	04 Aug 2023	Weather	Clear
I32	04 Aug 2023	Visibility (mi)	11
I32	04 Aug 2023	Wind Speed (kts)	8.6, 19.7
I32	04 Aug 2023	Wind Dir	NW, W
I32	04 Aug 2023	Water Color	Green
I32	04 Aug 2023	Wave Ht Low (ft)	3.6
I32	04 Aug 2023	Wave Period (sec)	8
I32	04 Aug 2023	Sea State	Calm
I32	04 Aug 2023	High Tide (ft)	6.08
I32	04 Aug 2023	High Tide Time	6
I32	04 Aug 2023	Low Tide (ft)	-0.69
I32	04 Aug 2023	Low Tide Time	548
I32	04 Aug 2023	Comments	, Accidental click. Ignore
I32	07 Aug 2023	Depth (m)	10
I32	07 Aug 2023	Arrive Time	1137
I32	07 Aug 2023	Depart Time	1141
I32	07 Aug 2023	Air Temp (C)	20.7
I32	07 Aug 2023	Weather	Clear
I32	07 Aug 2023	Visibility (mi)	8
I32	07 Aug 2023	Wind Speed (kts)	11.9
I32	07 Aug 2023	Wind Dir	SW
I32	07 Aug 2023	Water Color	Green
I32	07 Aug 2023	Wave Ht Low (ft)	2
I32	07 Aug 2023	Wave Period (sec)	15
I32	07 Aug 2023	Sea State	Calm
I32	07 Aug 2023	High Tide (ft)	5.24
I32	07 Aug 2023	High Tide Time	1436
I32	07 Aug 2023	Low Tide (ft)	1.37
I32	07 Aug 2023	Low Tide Time	2142
I32	07 Aug 2023	Comments	none
I32	14 Aug 2023	Depth (m)	10
I32	14 Aug 2023	Arrive Time	1049
I32	14 Aug 2023	Depart Time	1052
I32	14 Aug 2023	Air Temp (C)	19.8
I32	14 Aug 2023	Weather	Overcast
I32	14 Aug 2023	Visibility (mi)	3
I32	14 Aug 2023	Wind Speed (kts)	10.5
I32	14 Aug 2023	Wind Dir	W
I32	14 Aug 2023	Water Color	Green
I32	14 Aug 2023	Wave Ht Low (ft)	2
I32	14 Aug 2023	Wave Period (sec)	12
I32	14 Aug 2023	Sea State	Light Chop
I32	14 Aug 2023	High Tide (ft)	6
I32	14 Aug 2023	High Tide Time	2042
I32	14 Aug 2023	Low Tide (ft)	-0.32
I32	14 Aug 2023	Low Tide Time	318
I32	14 Aug 2023	Comments	none
I32	23 Aug 2023	Depth (m)	10
I32	23 Aug 2023	Arrive Time	1139
I32	23 Aug 2023	Depart Time	1145
I32	23 Aug 2023	Air Temp (C)	19.2
I32	23 Aug 2023	Weather	Clear
I32	23 Aug 2023	Visibility (mi)	14
I32	23 Aug 2023	Wind Speed (kts)	6.5
I32	23 Aug 2023	Wind Dir	SW

Station	Date	Parameter	Value
I32	23 Aug 2023	Water Color	Reddish-Brown
I32	23 Aug 2023	Wave Ht Low (ft)	3
I32	23 Aug 2023	Wave Period (sec)	13
I32	23 Aug 2023	Sea State	Calm
I32	23 Aug 2023	High Tide (ft)	4.86
I32	23 Aug 2023	High Tide Time	1354
I32	23 Aug 2023	Low Tide (ft)	1.55
I32	23 Aug 2023	Low Tide Time	2206
I32	23 Aug 2023	Comments	none
I32	28 Aug 2023	Depth (m)	9
I32	28 Aug 2023	Arrive Time	1117
I32	28 Aug 2023	Depart Time	1121
I32	28 Aug 2023	Air Temp (C)	19.5
I32	28 Aug 2023	Weather	Partly Cloudy
I32	28 Aug 2023	Visibility (mi)	8
I32	28 Aug 2023	Wind Speed (kts)	9.9
I32	28 Aug 2023	Wind Dir	NW
I32	28 Aug 2023	Water Color	Greenish-Brown
I32	28 Aug 2023	Wave Ht Low (ft)	2.3
I32	28 Aug 2023	Wave Period (sec)	15
I32	28 Aug 2023	Sea State	Wind Ripples
I32	28 Aug 2023	High Tide (ft)	6.67
I32	28 Aug 2023	High Tide Time	1942
I32	28 Aug 2023	Low Tide (ft)	-0.75
I32	28 Aug 2023	Low Tide Time	212
I32	28 Aug 2023	Comments	none
I39	04 Aug 2023	Depth (m)	15
I39	04 Aug 2023	Arrive Time	1057
I39	04 Aug 2023	Depart Time	1057
I39	04 Aug 2023	Air Temp (C)	19
I39	04 Aug 2023	Weather	Partly Cloudy
I39	04 Aug 2023	Visibility (mi)	10
I39	04 Aug 2023	Wind Speed (kts)	5.5
I39	04 Aug 2023	Wind Dir	SE
I39	04 Aug 2023	Water Color	Green
I39	04 Aug 2023	Wave Ht Low (ft)	3.6
I39	04 Aug 2023	Wave Period (sec)	8
I39	04 Aug 2023	Sea State	Confused Swell
I39	04 Aug 2023	High Tide (ft)	6.08
I39	04 Aug 2023	High Tide Time	6
I39	04 Aug 2023	Low Tide (ft)	-0.69
I39	04 Aug 2023	Low Tide Time	548
I39	04 Aug 2023	Comments	Sampled on station; Forgot to mark; Salinity, DO, density data omitted in upper 7m due to bubbles
I39	07 Aug 2023	Depth (m)	18
I39	07 Aug 2023	Arrive Time	1030
I39	07 Aug 2023	Depart Time	1035
I39	07 Aug 2023	Air Temp (C)	19.9
I39	07 Aug 2023	Weather	Clear
I39	07 Aug 2023	Visibility (mi)	8
I39	07 Aug 2023	Wind Speed (kts)	0.9
I39	07 Aug 2023	Wind Dir	W
I39	07 Aug 2023	Water Color	Greenish-Blue
I39	07 Aug 2023	Wave Ht Low (ft)	2
I39	07 Aug 2023	Wave Period (sec)	15
I39	07 Aug 2023	Sea State	Calm
I39	07 Aug 2023	High Tide (ft)	5.24
I39	07 Aug 2023	High Tide Time	1436

Station	Date	Parameter	Value
I39	07 Aug 2023	Low Tide (ft)	1.37
I39	07 Aug 2023	Low Tide Time	2142
I39	07 Aug 2023	Comments	none
I39	14 Aug 2023	Depth (m)	19
I39	14 Aug 2023	Arrive Time	948
I39	14 Aug 2023	Depart Time	952
I39	14 Aug 2023	Air Temp (C)	19.6
I39	14 Aug 2023	Weather	Overcast
I39	14 Aug 2023	Visibility (mi)	3
I39	14 Aug 2023	Wind Speed (kts)	3.6
I39	14 Aug 2023	Wind Dir	S
I39	14 Aug 2023	Water Color	Green
I39	14 Aug 2023	Wave Ht Low (ft)	2
I39	14 Aug 2023	Wave Period (sec)	12
I39	14 Aug 2023	Sea State	Light Chop
I39	14 Aug 2023	High Tide (ft)	6
I39	14 Aug 2023	High Tide Time	2042
I39	14 Aug 2023	Low Tide (ft)	-0.32
I39	14 Aug 2023	Low Tide Time	318
I39	14 Aug 2023	Comments	none
I39	23 Aug 2023	Depth (m)	19
I39	23 Aug 2023	Arrive Time	1029
I39	23 Aug 2023	Depart Time	1031
I39	23 Aug 2023	Air Temp (C)	18.8
I39	23 Aug 2023	Weather	Clear
I39	23 Aug 2023	Visibility (mi)	14
I39	23 Aug 2023	Wind Speed (kts)	1.8
I39	23 Aug 2023	Wind Dir	NW
I39	23 Aug 2023	Water Color	Green
I39	23 Aug 2023	Wave Ht Low (ft)	3
I39	23 Aug 2023	Wave Period (sec)	13
I39	23 Aug 2023	Sea State	Calm
I39	23 Aug 2023	High Tide (ft)	4.86
I39	23 Aug 2023	High Tide Time	1354
I39	23 Aug 2023	Low Tide (ft)	1.55
I39	23 Aug 2023	Low Tide Time	2206
I39	23 Aug 2023	Comments	none
I39	28 Aug 2023	Depth (m)	19
I39	28 Aug 2023	Arrive Time	1015
I39	28 Aug 2023	Depart Time	1020
I39	28 Aug 2023	Air Temp (C)	19.2
I39	28 Aug 2023	Weather	Partly Cloudy
I39	28 Aug 2023	Visibility (mi)	4
I39	28 Aug 2023	Wind Speed (kts)	14.3
I39	28 Aug 2023	Wind Dir	W
I39	28 Aug 2023	Water Color	Green
I39	28 Aug 2023	Wave Ht Low (ft)	2.3
I39	28 Aug 2023	Wave Period (sec)	15
I39	28 Aug 2023	Sea State	Wind Ripples
I39	28 Aug 2023	High Tide (ft)	6.67
I39	28 Aug 2023	High Tide Time	1942
I39	28 Aug 2023	Low Tide (ft)	-0.75
I39	28 Aug 2023	Low Tide Time	212
I39	28 Aug 2023	Comments	none
I40	04 Aug 2023	Depth (m)	10
I40	04 Aug 2023	Arrive Time	1133
I40	04 Aug 2023	Depart Time	1136

Station	Date	Parameter	Value
I40	04 Aug 2023	Air Temp (C)	19.2
I40	04 Aug 2023	Weather	Clear
I40	04 Aug 2023	Visibility (mi)	11
I40	04 Aug 2023	Wind Speed (kts)	12.6
I40	04 Aug 2023	Wind Dir	W
I40	04 Aug 2023	Water Color	Green
I40	04 Aug 2023	Wave Ht Low (ft)	3.6
I40	04 Aug 2023	Wave Period (sec)	8
I40	04 Aug 2023	Sea State	Calm
I40	04 Aug 2023	High Tide (ft)	6.08
I40	04 Aug 2023	High Tide Time	6
I40	04 Aug 2023	Low Tide (ft)	-0.69
I40	04 Aug 2023	Low Tide Time	548
I40	04 Aug 2023	Comments	none
I40	07 Aug 2023	Depth (m)	10
I40	07 Aug 2023	Arrive Time	1058
I40	07 Aug 2023	Depart Time	1104
I40	07 Aug 2023	Air Temp (C)	20
I40	07 Aug 2023	Weather	Clear
I40	07 Aug 2023	Visibility (mi)	8
I40	07 Aug 2023	Wind Speed (kts)	5.1
I40	07 Aug 2023	Wind Dir	SW
I40	07 Aug 2023	Water Color	Green
I40	07 Aug 2023	Wave Ht Low (ft)	2
I40	07 Aug 2023	Wave Period (sec)	15
I40	07 Aug 2023	Sea State	Calm
I40	07 Aug 2023	High Tide (ft)	5.24
I40	07 Aug 2023	High Tide Time	1436
I40	07 Aug 2023	Low Tide (ft)	1.37
I40	07 Aug 2023	Low Tide Time	2142
I40	07 Aug 2023	Comments	none
I40	14 Aug 2023	Depth (m)	10
I40	14 Aug 2023	Arrive Time	1013
I40	14 Aug 2023	Depart Time	1023
I40	14 Aug 2023	Air Temp (C)	19.9
I40	14 Aug 2023	Weather	Overcast
I40	14 Aug 2023	Visibility (mi)	3
I40	14 Aug 2023	Wind Speed (kts)	12.8
I40	14 Aug 2023	Wind Dir	W
I40	14 Aug 2023	Water Color	Green
I40	14 Aug 2023	Wave Ht Low (ft)	2
I40	14 Aug 2023	Wave Period (sec)	12
I40	14 Aug 2023	Sea State	Light Chop
I40	14 Aug 2023	High Tide (ft)	6
I40	14 Aug 2023	High Tide Time	2042
I40	14 Aug 2023	Low Tide (ft)	-0.32
I40	14 Aug 2023	Low Tide Time	318
I40	14 Aug 2023	Comments	none
I40	23 Aug 2023	Depth (m)	10
I40	23 Aug 2023	Arrive Time	1102
I40	23 Aug 2023	Depart Time	1108
I40	23 Aug 2023	Air Temp (C)	19.4
I40	23 Aug 2023	Weather	Clear
I40	23 Aug 2023	Visibility (mi)	14
I40	23 Aug 2023	Wind Speed (kts)	2
I40	23 Aug 2023	Wind Dir	E
I40	23 Aug 2023	Water Color	Green
I40	23 Aug 2023	Wave Ht Low (ft)	3

Station	Date	Parameter	Value
I40	23 Aug 2023	Wave Period (sec)	13
I40	23 Aug 2023	Sea State	Calm
I40	23 Aug 2023	High Tide (ft)	4.86
I40	23 Aug 2023	High Tide Time	1354
I40	23 Aug 2023	Low Tide (ft)	1.55
I40	23 Aug 2023	Low Tide Time	2206
I40	23 Aug 2023	Comments	none
I40	28 Aug 2023	Depth (m)	10
I40	28 Aug 2023	Arrive Time	1043
I40	28 Aug 2023	Depart Time	1049
I40	28 Aug 2023	Air Temp (C)	19.7
I40	28 Aug 2023	Weather	Partly Cloudy
I40	28 Aug 2023	Visibility (mi)	4
I40	28 Aug 2023	Wind Speed (kts)	13.7
I40	28 Aug 2023	Wind Dir	W
I40	28 Aug 2023	Water Color	Green
I40	28 Aug 2023	Wave Ht Low (ft)	2.3
I40	28 Aug 2023	Wave Period (sec)	15
I40	28 Aug 2023	Sea State	Wind Ripples
I40	28 Aug 2023	High Tide (ft)	6.67
I40	28 Aug 2023	High Tide Time	1942
I40	28 Aug 2023	Low Tide (ft)	-0.75
I40	28 Aug 2023	Low Tide Time	212
I40	28 Aug 2023	Comments	none

Table 3.9

Summary of CTD profile data from the SBOO kelp stations for each sample date.

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
I19	04 Aug 2023	1	21.64	80.02	8.4	33.45	8.2	23.1	0.75
I19	04 Aug 2023	2	21.31	78.56	8.5	33.45	8.2	23.2	0.82
I19	04 Aug 2023	3	20.80	75.36	8.8	33.43	8.2	23.4	1.12
I19	04 Aug 2023	4	20.69	72.47	8.8	33.41	8.2	23.4	1.73
I19	04 Aug 2023	5	20.59	71.10	8.7	33.41	8.2	23.4	2.26
I19	04 Aug 2023	6	20.25	69.63	8.7	33.44	8.2	23.5	3.37
I19	04 Aug 2023	7	19.15	60.37	8.3	33.52	8.2	23.8	5.06
I19	04 Aug 2023	8	16.99	62.68	8.4	33.41	8.2	24.3	4.65
I19	04 Aug 2023	9	16.63	71.06	8.2	33.36	8.2	24.3	4.05
I19	04 Aug 2023	10	16.55	56.29	8.1	33.35	8.2	24.4	3.57
I19	07 Aug 2023	1	20.77	77.36	8.2	33.41	8.2	23.3	0.81
I19	07 Aug 2023	2	19.77	76.42	8.8	33.41	8.2	23.6	0.93
I19	07 Aug 2023	3	18.87	76.43	8.7	33.38	8.2	23.8	1.37
I19	07 Aug 2023	4	16.97	72.52	8.5	33.35	8.2	24.3	2.29
I19	07 Aug 2023	5	16.38	69.59	8.7	33.31	8.2	24.4	2.60
I19	07 Aug 2023	6	16.03	78.36	8.8	33.29	8.2	24.4	2.64
I19	07 Aug 2023	7	15.67	79.92	8.8	33.28	8.2	24.5	2.53
I19	07 Aug 2023	8	15.62	81.14	8.5	33.29	8.1	24.5	2.58
I19	07 Aug 2023	9	15.28	77.16	7.6	33.32	8.1	24.6	2.87
I19	07 Aug 2023	10	15.23	59.42	7.0	33.33	8.0	24.6	4.35
I19	14 Aug 2023	1	18.76	74.30	8.1	33.32	8.1	23.8	1.60
I19	14 Aug 2023	2	18.66	74.71	8.3	33.34	8.2	23.8	2.03
I19	14 Aug 2023	3	18.51	75.12	8.3	33.34	8.2	23.9	3.14
I19	14 Aug 2023	4	18.41	74.56	8.1	33.34	8.2	23.9	4.16
I19	14 Aug 2023	5	16.05	72.02	7.6	33.42	8.1	24.5	5.65
I19	14 Aug 2023	6	14.06	71.78	7.7	33.29	8.1	24.9	4.30
I19	14 Aug 2023	7	13.84	75.68	7.7	33.27	8.0	24.9	3.02
I19	14 Aug 2023	8	13.75	75.32	7.7	33.26	8.0	24.9	2.74
I19	14 Aug 2023	9	13.73	68.74	7.6	33.26	8.0	24.9	2.80
I19	14 Aug 2023	10	13.73	62.83	7.6	33.27	8.0	24.9	2.78
I19	23 Aug 2023	1	16.96	75.75	8.8	33.15	8.2	24.1	0.72
I19	23 Aug 2023	2	16.98	75.68	8.8	33.15	8.2	24.1	0.72
I19	23 Aug 2023	3	17.03	74.67	8.8	33.15	8.2	24.1	0.72
I19	23 Aug 2023	4	16.89	74.52	8.8	33.15	8.2	24.1	0.80
I19	23 Aug 2023	5	16.73	71.64	8.8	33.14	8.2	24.2	1.06
I19	23 Aug 2023	6	16.58	67.62	8.9	33.13	8.2	24.2	2.12
I19	23 Aug 2023	7	16.48	64.55	9.0	33.12	8.2	24.2	3.99
I19	23 Aug 2023	8	16.43	61.64	9.0	33.12	8.2	24.2	5.27
I19	23 Aug 2023	9	16.24	59.21	9.0	33.12	8.2	24.2	5.93
I19	23 Aug 2023	10	16.13	57.27	8.9	33.11	8.2	24.3	4.87
I19	28 Aug 2023	1	16.22	72.83	8.4	33.13	8.1	24.3	0.69
I19	28 Aug 2023	2	15.90	72.58	8.3	33.15	8.1	24.3	0.76
I19	28 Aug 2023	3	15.27	70.99	8.3	33.20	8.1	24.5	0.93
I19	28 Aug 2023	4	14.65	75.87	8.2	33.20	8.1	24.7	0.93
I19	28 Aug 2023	5	14.59	82.68	8.2	33.20	8.1	24.7	0.97
I19	28 Aug 2023	6	14.50	80.47	8.0	33.20	8.1	24.7	1.18
I19	28 Aug 2023	7	14.38	74.34	7.9	33.21	8.1	24.7	1.44
I19	28 Aug 2023	8	14.30	71.80	7.8	33.21	8.1	24.7	1.57
I19	28 Aug 2023	9	14.17	69.85	7.7	33.22	8.0	24.8	1.67
I19	28 Aug 2023	10	14.00	66.53	7.4	33.23	8.0	24.8	1.72
I24	04 Aug 2023	1	21.45	79.45	8.4	33.41	8.2	23.2	0.87

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
I24	04 Aug 2023	2	21.45	80.00	8.4	33.43	8.2	23.2	0.79
I24	04 Aug 2023	3	20.64	77.48	8.3	33.42	8.2	23.4	1.02
I24	04 Aug 2023	4	19.24	66.87	8.0	33.38	8.2	23.7	2.44
I24	04 Aug 2023	5	17.98	59.69	8.2	33.39	8.2	24.0	3.97
I24	04 Aug 2023	6	17.46	69.97	8.4	33.38	8.2	24.2	4.34
I24	04 Aug 2023	7	16.98	78.93	8.7	33.35	8.2	24.3	3.46
I24	04 Aug 2023	8	17.00	80.29	8.6	33.34	8.2	24.2	2.75
I24	04 Aug 2023	9	16.40	78.98	8.2	33.36	8.2	24.4	2.54
I24	04 Aug 2023	10	15.98	69.65	8.1	33.35	8.1	24.5	2.35
I24	04 Aug 2023	11	15.80	62.97	8.1	33.35	8.1	24.5	2.21
I24	07 Aug 2023	1	20.75	79.17	8.8	33.41	8.2	23.4	0.82
I24	07 Aug 2023	2	19.08	78.74	8.8	33.37	8.2	23.8	0.96
I24	07 Aug 2023	3	16.41	78.89	8.6	33.31	8.2	24.4	1.05
I24	07 Aug 2023	4	15.30	83.35	8.8	33.25	8.2	24.6	1.15
I24	07 Aug 2023	5	14.89	85.19	8.9	33.23	8.2	24.6	1.12
I24	07 Aug 2023	6	14.80	85.26	8.8	33.26	8.1	24.7	1.11
I24	07 Aug 2023	7	14.82	83.52	8.3	33.28	8.1	24.7	1.37
I24	07 Aug 2023	8	14.83	76.21	7.8	33.31	8.1	24.7	2.16
I24	07 Aug 2023	9	14.84	67.92	7.6	33.31	8.1	24.7	2.71
I24	07 Aug 2023	10	14.87	65.74	7.5	33.32	8.0	24.7	2.98
I24	14 Aug 2023	1	19.65	78.15	8.8	33.38	8.2	23.6	2.44
I24	14 Aug 2023	2	19.47	77.20	8.6	33.37	8.2	23.7	2.98
I24	14 Aug 2023	3	18.60	74.54	8.0	33.36	8.2	23.9	5.80
I24	14 Aug 2023	4	15.24	62.85	7.9	33.33	8.1	24.6	7.03
I24	14 Aug 2023	5	15.00	70.87	8.1	33.23	8.1	24.6	3.54
I24	14 Aug 2023	6	14.78	77.48	8.2	33.23	8.1	24.7	2.43
I24	14 Aug 2023	7	14.71	79.81	8.1	33.23	8.1	24.7	2.10
I24	14 Aug 2023	8	14.30	78.92	8.0	33.26	8.1	24.8	2.64
I24	14 Aug 2023	9	13.96	78.57	7.8	33.26	8.1	24.9	3.32
I24	14 Aug 2023	10	13.73	74.46	7.5	33.27	8.0	24.9	3.27
I24	14 Aug 2023	11	13.73	69.78	7.4	33.27	8.0	24.9	2.82
I24	23 Aug 2023	1	17.59	85.32	8.7	33.15	8.2	24.0	0.44
I24	23 Aug 2023	2	17.44	85.19	8.7	33.18	8.2	24.0	0.45
I24	23 Aug 2023	3	17.04	84.77	8.7	33.18	8.2	24.1	0.46
I24	23 Aug 2023	4	16.76	75.35	8.7	33.16	8.2	24.2	0.64
I24	23 Aug 2023	5	16.38	63.22	8.7	33.13	8.2	24.2	1.02
I24	23 Aug 2023	6	16.27	60.59	8.7	33.12	8.2	24.2	1.54
I24	23 Aug 2023	7	16.24	57.15	8.7	33.12	8.2	24.2	2.15
I24	23 Aug 2023	8	16.20	55.05	8.7	33.12	8.2	24.3	2.54
I24	23 Aug 2023	9	16.18	52.64	8.7	33.12	8.2	24.3	2.61
I24	23 Aug 2023	10	16.18	51.85	8.7	33.12	8.2	24.3	2.57
I24	28 Aug 2023	1	17.51	74.66	8.9	33.07	8.2	23.9	0.68
I24	28 Aug 2023	2	17.22	75.57	8.7	33.11	8.2	24.0	0.74
I24	28 Aug 2023	3	15.35	77.86	8.6	33.22	8.1	24.5	0.77
I24	28 Aug 2023	4	15.18	84.14	8.4	33.18	8.1	24.5	0.68
I24	28 Aug 2023	5	14.63	85.03	8.3	33.20	8.1	24.7	0.70
I24	28 Aug 2023	6	14.54	86.09	8.3	33.19	8.1	24.7	0.75
I24	28 Aug 2023	7	14.42	85.76	8.1	33.20	8.1	24.7	0.89
I24	28 Aug 2023	8	14.29	80.01	7.8	33.20	8.1	24.7	1.29
I24	28 Aug 2023	9	14.03	64.75	7.5	33.22	8.0	24.8	1.49
I24	28 Aug 2023	10	13.99	61.49	7.4	33.22	8.0	24.8	1.49
I25	04 Aug 2023	1	21.12	76.72	8.6	33.41	8.2	23.3	0.81
I25	04 Aug 2023	2	21.14	77.32	8.5	33.42	8.2	23.3	0.80
I25	04 Aug 2023	3	20.46	77.48	8.7	33.44	8.2	23.5	0.82
I25	04 Aug 2023	4	20.18	73.78	8.7	33.40	8.2	23.5	1.23
I25	04 Aug 2023	5	19.37	66.84	8.1	33.40	8.2	23.7	2.19

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I25	04 Aug 2023	6	17.63	61.47	7.5	33.41	8.2	24.1	2.94
I25	04 Aug 2023	7	17.39	66.78	7.5	33.35	8.1	24.2	2.22
I25	04 Aug 2023	8	17.23	66.51	7.5	33.34	8.1	24.2	1.81
I25	04 Aug 2023	9	17.26	64.64	7.5	33.34	8.1	24.2	1.60
I25	07 Aug 2023	1	20.69	72.66	8.8	33.40	8.2	23.4	1.29
I25	07 Aug 2023	2	19.74	74.01	8.7	33.39	8.2	23.6	1.31
I25	07 Aug 2023	3	17.20	75.61	8.6	33.34	8.2	24.2	1.32
I25	07 Aug 2023	4	15.55	81.39	8.7	33.27	8.2	24.5	1.28
I25	07 Aug 2023	5	15.10	83.09	8.7	33.26	8.2	24.6	1.30
I25	07 Aug 2023	6	15.10	80.82	8.6	33.27	8.1	24.6	1.26
I25	07 Aug 2023	7	15.11	79.64	8.6	33.27	8.1	24.6	1.15
I25	07 Aug 2023	8	15.12	79.25	8.4	33.28	8.1	24.6	1.23
I25	07 Aug 2023	9	15.18	78.29	8.4	33.29	8.1	24.6	1.21
I25	14 Aug 2023	1	20.14	83.70	8.9	33.39	8.2	23.5	0.94
I25	14 Aug 2023	2	20.11	83.79	8.8	33.39	8.2	23.5	0.86
I25	14 Aug 2023	3	19.04	83.54	8.1	33.38	8.2	23.8	1.18
I25	14 Aug 2023	4	16.47	76.23	7.5	33.36	8.1	24.4	2.77
I25	14 Aug 2023	5	14.70	70.88	7.8	33.27	8.1	24.7	2.88
I25	14 Aug 2023	6	14.43	76.63	7.9	33.25	8.1	24.7	2.45
I25	14 Aug 2023	7	14.14	77.49	7.8	33.26	8.1	24.8	2.48
I25	14 Aug 2023	8	14.14	74.85	7.8	33.25	8.0	24.8	2.48
I25	14 Aug 2023	9	14.10	71.98	7.6	33.26	8.0	24.8	2.22
I25	23 Aug 2023	1	18.20	84.92	8.7	33.17	8.2	23.8	0.45
I25	23 Aug 2023	2	17.68	84.97	8.7	33.19	8.2	24.0	0.45
I25	23 Aug 2023	3	17.09	84.28	8.6	33.19	8.2	24.1	0.48
I25	23 Aug 2023	4	16.61	75.13	8.7	33.14	8.2	24.2	0.80
I25	23 Aug 2023	5	16.57	67.20	8.7	33.14	8.2	24.2	1.04
I25	23 Aug 2023	6	16.35	62.01	8.8	33.12	8.2	24.2	1.46
I25	23 Aug 2023	7	16.34	60.62	8.8	33.12	8.2	24.2	1.98
I25	23 Aug 2023	8	16.33	60.23	8.8	33.12	8.2	24.2	2.24
I25	23 Aug 2023	9	16.32	59.79	8.8	33.12	8.2	24.2	2.32
I25	28 Aug 2023	1	17.24	77.87	9.2	33.12	8.2	24.0	0.73
I25	28 Aug 2023	2	16.74	77.42	9.1	33.16	8.2	24.2	1.21
I25	28 Aug 2023	3	15.85	75.05	8.8	33.17	8.2	24.4	1.21
I25	28 Aug 2023	4	15.47	79.61	8.6	33.18	8.1	24.5	0.97
I25	28 Aug 2023	5	15.04	83.70	8.6	33.19	8.1	24.6	0.93
I25	28 Aug 2023	6	15.03	84.74	8.5	33.18	8.1	24.6	0.97
I25	28 Aug 2023	7	14.44	85.22	8.1	33.21	8.1	24.7	1.04
I25	28 Aug 2023	8	14.20	79.60	7.7	33.21	8.1	24.8	1.14
I26	04 Aug 2023	1	21.68	76.52	8.4	33.44	8.2	23.1	0.67
I26	04 Aug 2023	2	21.66	76.64	8.4	33.44	8.2	23.1	0.65
I26	04 Aug 2023	3	21.52	76.56	8.4	33.44	8.2	23.2	0.70
I26	04 Aug 2023	4	21.15	76.25	8.5	33.45	8.2	23.3	0.80
I26	04 Aug 2023	5	20.19	76.44	8.6	33.47	8.2	23.5	0.86
I26	04 Aug 2023	6	19.48	76.57	8.6	33.41	8.2	23.7	0.93
I26	04 Aug 2023	7	19.28	75.51	8.5	33.40	8.2	23.7	1.07
I26	04 Aug 2023	8	18.89	72.30	8.2	33.41	8.2	23.8	1.30
I26	04 Aug 2023	9	16.80	64.68	8.0	33.45	8.2	24.4	3.38
I26	07 Aug 2023	1	21.04	73.61	9.1	33.39	8.2	23.3	1.67
I26	07 Aug 2023	2	20.36	73.08	9.0	33.38	8.2	23.4	1.79
I26	07 Aug 2023	3	18.53	74.95	9.0	33.37	8.2	23.9	1.51
I26	07 Aug 2023	4	17.95	80.72	8.8	33.33	8.2	24.0	1.16
I26	07 Aug 2023	5	16.46	83.76	8.8	33.30	8.2	24.3	0.95
I26	07 Aug 2023	6	16.05	85.89	8.9	33.27	8.2	24.4	0.82
I26	07 Aug 2023	7	15.83	83.54	8.5	33.28	8.1	24.5	0.90

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I26	07 Aug 2023	8	15.56	80.17	8.3	33.28	8.1	24.5	1.09
I26	07 Aug 2023	9	15.50	76.96	8.2	33.28	8.1	24.5	1.15
I26	14 Aug 2023	1	20.30	83.65	8.8	33.39	8.2	23.5	0.63
I26	14 Aug 2023	2	20.13	83.60	8.8	33.40	8.2	23.5	0.68
I26	14 Aug 2023	3	19.81	82.38	8.8	33.39	8.2	23.6	0.89
I26	14 Aug 2023	4	18.54	80.17	8.6	33.39	8.2	23.9	1.46
I26	14 Aug 2023	5	17.93	76.36	8.7	33.33	8.2	24.0	2.86
I26	14 Aug 2023	6	16.61	79.07	8.3	33.35	8.2	24.3	3.05
I26	14 Aug 2023	7	14.81	79.09	8.2	33.29	8.1	24.7	2.50
I26	14 Aug 2023	8	14.47	82.58	8.2	33.26	8.1	24.7	1.79
I26	14 Aug 2023	9	14.16	83.64	8.2	33.25	8.1	24.8	1.21
I26	23 Aug 2023	1	18.11	84.39	8.6	33.17	8.2	23.8	0.46
I26	23 Aug 2023	2	17.72	83.09	8.7	33.17	8.2	23.9	0.49
I26	23 Aug 2023	3	17.11	79.24	8.7	33.15	8.2	24.1	0.66
I26	23 Aug 2023	4	16.78	72.58	8.8	33.13	8.2	24.1	0.91
I26	23 Aug 2023	5	16.72	70.24	8.9	33.12	8.2	24.1	1.15
I26	23 Aug 2023	6	16.70	70.16	8.9	33.12	8.2	24.1	1.41
I26	23 Aug 2023	7	16.68	70.16	8.9	33.12	8.2	24.1	1.70
I26	23 Aug 2023	8	16.68	70.01	8.9	33.12	8.2	24.1	1.91
I26	23 Aug 2023	9	16.68	70.05	8.9	33.13	8.2	24.1	1.97
I26	28 Aug 2023	1	16.70	76.35	9.1	33.15	8.2	24.2	1.51
I26	28 Aug 2023	2	16.32	74.40	8.9	33.16	8.2	24.3	1.81
I26	28 Aug 2023	3	16.11	71.75	8.6	33.15	8.1	24.3	1.96
I26	28 Aug 2023	4	15.80	74.11	8.3	33.16	8.1	24.4	1.80
I26	28 Aug 2023	5	15.71	74.25	8.3	33.15	8.1	24.4	1.78
I26	28 Aug 2023	6	15.41	77.08	8.2	33.18	8.1	24.5	1.76
I26	28 Aug 2023	7	15.03	79.13	8.1	33.17	8.1	24.6	1.73
I26	28 Aug 2023	8	14.57	76.93	7.6	33.21	8.1	24.7	1.65
I26	28 Aug 2023	9	14.31	66.01	7.5	33.20	8.0	24.7	1.65
I32	04 Aug 2023	1	21.47	74.15	8.1	33.45	8.2	23.2	0.69
I32	04 Aug 2023	2	21.24	74.01	8.0	33.46	8.2	23.3	0.74
I32	04 Aug 2023	3	20.87	70.18	8.0	33.46	8.2	23.4	1.15
I32	04 Aug 2023	4	20.65	62.25	7.9	33.45	8.2	23.4	2.12
I32	04 Aug 2023	5	18.68	53.73	7.5	33.52	8.2	24.0	4.52
I32	04 Aug 2023	6	16.74	57.05	7.5	33.43	8.2	24.4	5.74
I32	04 Aug 2023	7	16.32	60.12	7.7	33.34	8.1	24.4	5.89
I32	04 Aug 2023	8	16.31	55.39	7.8	33.32	8.1	24.4	6.13
I32	04 Aug 2023	9	16.26	51.15	7.8	33.32	8.1	24.4	6.11
I32	04 Aug 2023	10	16.26	49.13	7.8	33.32	8.1	24.4	5.67
I32	07 Aug 2023	1	21.07	73.26	8.7	33.41	8.2	23.3	1.29
I32	07 Aug 2023	2	20.24	71.12	8.3	33.38	8.2	23.5	1.75
I32	07 Aug 2023	3	17.05	68.89	8.1	33.36	8.2	24.2	2.31
I32	07 Aug 2023	4	16.03	67.46	8.3	33.30	8.2	24.4	2.42
I32	07 Aug 2023	5	15.87	71.16	8.3	33.28	8.1	24.5	2.67
I32	07 Aug 2023	6	15.39	73.24	8.4	33.28	8.1	24.6	3.09
I32	07 Aug 2023	7	15.18	76.03	8.4	33.27	8.1	24.6	3.35
I32	07 Aug 2023	8	15.15	75.48	8.4	33.27	8.1	24.6	3.69
I32	07 Aug 2023	9	15.14	73.89	8.2	33.28	8.1	24.6	3.69
I32	07 Aug 2023	10	15.16	67.39	8.2	33.28	8.1	24.6	3.31
I32	14 Aug 2023	1	19.60	82.19	8.9	33.37	8.2	23.6	0.62
I32	14 Aug 2023	2	19.46	81.64	8.9	33.37	8.2	23.7	0.69
I32	14 Aug 2023	3	19.05	79.38	8.7	33.37	8.2	23.8	1.06
I32	14 Aug 2023	4	17.90	72.71	8.4	33.35	8.2	24.0	3.11
I32	14 Aug 2023	5	17.27	62.88	8.3	33.31	8.2	24.2	4.60
I32	14 Aug 2023	6	15.52	70.75	8.0	33.31	8.1	24.6	3.91

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I32	14 Aug 2023	7	14.56	73.54	7.9	33.26	8.1	24.7	3.55
I32	14 Aug 2023	8	14.52	69.49	8.0	33.23	8.1	24.7	4.07
I32	14 Aug 2023	9	14.43	63.64	7.9	33.23	8.1	24.7	4.58
I32	14 Aug 2023	10	14.43	61.07	7.9	33.24	8.1	24.7	4.63
I32	23 Aug 2023	1	17.40	49.66	9.9	32.53	8.2	23.5	6.35
I32	23 Aug 2023	2	17.35	50.83	10.0	32.53	8.2	23.5	6.28
I32	23 Aug 2023	3	17.23	44.68	10.4	32.57	8.2	23.6	10.76
I32	23 Aug 2023	4	17.10	41.51	10.0	32.66	8.2	23.7	14.36
I32	23 Aug 2023	5	16.85	50.54	9.4	32.84	8.2	23.9	11.73
I32	23 Aug 2023	6	16.51	66.99	9.0	33.01	8.2	24.1	7.28
I32	23 Aug 2023	7	16.38	71.77	8.8	33.04	8.2	24.2	3.97
I32	23 Aug 2023	8	16.26	71.17	8.8	33.07	8.2	24.2	2.62
I32	23 Aug 2023	9	16.24	72.87	8.8	33.07	8.2	24.2	2.08
I32	23 Aug 2023	10	16.17	72.07	8.8	33.08	8.2	24.2	1.89
I32	28 Aug 2023	1	17.59	78.52	9.1	33.14	8.2	23.9	0.64
I32	28 Aug 2023	2	17.27	78.05	9.5	33.15	8.2	24.0	0.97
I32	28 Aug 2023	3	16.96	73.03	9.5	33.13	8.2	24.1	2.14
I32	28 Aug 2023	4	16.82	65.15	9.1	33.10	8.2	24.1	2.98
I32	28 Aug 2023	5	16.69	63.01	9.0	33.08	8.2	24.1	4.10
I32	28 Aug 2023	6	16.59	59.48	9.0	33.08	8.2	24.1	5.67
I32	28 Aug 2023	7	16.37	56.98	8.5	33.08	8.1	24.2	7.21
I32	28 Aug 2023	8	15.09	55.30	7.7	33.18	8.1	24.6	5.65
I32	28 Aug 2023	9	14.51	58.77	7.7	33.20	8.1	24.7	3.71
I32	28 Aug 2023	10	14.37	66.38	7.8	33.20	8.1	24.7	3.03
I39	04 Aug 2023	1	20.67	84.19	NA	NA	8.2	NA	1.17
I39	04 Aug 2023	2	20.59	84.04	NA	NA	8.2	NA	1.07
I39	04 Aug 2023	3	20.07	83.39	NA	NA	8.2	NA	0.97
I39	04 Aug 2023	4	19.50	82.26	NA	NA	8.2	NA	0.93
I39	04 Aug 2023	5	18.46	81.27	NA	NA	8.2	NA	0.87
I39	04 Aug 2023	6	17.92	81.46	NA	NA	8.2	NA	0.76
I39	04 Aug 2023	7	17.54	81.92	NA	NA	8.2	NA	0.75
I39	04 Aug 2023	8	17.24	82.15	8.8	33.48	8.2	24.3	0.80
I39	04 Aug 2023	9	17.02	81.65	8.8	33.50	8.2	24.4	0.94
I39	04 Aug 2023	10	15.80	79.53	8.6	33.55	8.2	24.7	1.08
I39	04 Aug 2023	11	15.36	78.37	8.6	33.45	8.2	24.7	1.53
I39	04 Aug 2023	12	15.25	80.56	8.6	33.42	8.2	24.7	2.64
I39	04 Aug 2023	13	14.87	81.41	8.5	33.41	8.2	24.8	3.41
I39	04 Aug 2023	14	14.72	79.51	8.2	33.38	8.1	24.8	4.07
I39	04 Aug 2023	15	14.69	78.38	8.1	33.37	8.1	24.8	4.66
I39	04 Aug 2023	16	14.67	78.89	8.1	33.36	8.1	24.8	4.86
I39	04 Aug 2023	17	14.67	79.77	8.0	33.36	8.1	24.8	4.44
I39	04 Aug 2023	18	14.68	79.93	8.0	33.36	8.1	24.8	4.01
I39	07 Aug 2023	1	20.65	79.15	9.0	33.42	8.2	23.4	1.27
I39	07 Aug 2023	2	20.66	79.09	9.0	33.42	8.2	23.4	1.36
I39	07 Aug 2023	3	20.57	79.12	9.1	33.42	8.2	23.4	1.54
I39	07 Aug 2023	4	20.52	79.00	9.2	33.42	8.2	23.4	2.17
I39	07 Aug 2023	5	20.45	76.99	9.2	33.41	8.2	23.4	2.99
I39	07 Aug 2023	6	19.76	76.11	8.6	33.39	8.2	23.6	2.96
I39	07 Aug 2023	7	16.99	81.31	8.5	33.36	8.2	24.3	1.99
I39	07 Aug 2023	8	15.58	85.33	8.5	33.30	8.2	24.5	1.34
I39	07 Aug 2023	9	14.40	87.08	8.7	33.23	8.2	24.7	1.24
I39	07 Aug 2023	10	13.89	87.51	8.6	33.23	8.2	24.8	1.59
I39	07 Aug 2023	11	13.75	85.79	8.4	33.25	8.1	24.9	1.93
I39	07 Aug 2023	12	13.72	85.74	8.3	33.25	8.1	24.9	2.05
I39	07 Aug 2023	13	13.71	86.06	8.2	33.26	8.1	24.9	2.02
I39	07 Aug 2023	14	13.69	86.10	8.2	33.26	8.1	24.9	1.92
I39	07 Aug 2023	15	13.70	86.28	8.2	33.27	8.1	24.9	1.91

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I39	07 Aug 2023	16	13.68	86.42	8.1	33.28	8.1	24.9	1.97
I39	07 Aug 2023	17	13.66	86.41	8.1	33.28	8.1	24.9	1.86
I39	07 Aug 2023	18	13.68	86.62	8.1	33.29	8.1	24.9	1.83
I39	14 Aug 2023	1	19.77	83.99	8.8	33.41	8.2	23.6	0.91
I39	14 Aug 2023	2	19.76	83.98	8.8	33.41	8.2	23.6	0.97
I39	14 Aug 2023	3	19.72	83.87	8.8	33.41	8.2	23.6	1.07
I39	14 Aug 2023	4	19.62	83.74	8.8	33.41	8.2	23.6	1.15
I39	14 Aug 2023	5	19.15	83.69	8.7	33.41	8.2	23.8	1.42
I39	14 Aug 2023	6	17.36	83.28	8.9	33.41	8.2	24.2	2.14
I39	14 Aug 2023	7	16.42	83.13	8.8	33.35	8.2	24.4	1.95
I39	14 Aug 2023	8	15.58	85.79	8.4	33.34	8.1	24.6	1.73
I39	14 Aug 2023	9	14.56	86.93	8.2	33.32	8.1	24.8	1.63
I39	14 Aug 2023	10	13.93	87.78	8.2	33.28	8.1	24.9	1.73
I39	14 Aug 2023	11	13.83	87.81	8.2	33.27	8.1	24.9	1.97
I39	14 Aug 2023	12	13.75	87.79	8.1	33.27	8.1	24.9	2.15
I39	14 Aug 2023	13	13.66	87.50	8.0	33.28	8.1	24.9	2.43
I39	14 Aug 2023	14	13.50	87.28	7.9	33.29	8.1	25.0	2.41
I39	14 Aug 2023	15	13.32	87.46	7.7	33.29	8.0	25.0	2.02
I39	14 Aug 2023	16	13.07	88.21	7.5	33.30	8.0	25.1	1.61
I39	14 Aug 2023	17	12.84	88.40	7.2	33.31	8.0	25.1	1.31
I39	14 Aug 2023	18	12.71	87.65	7.0	33.31	8.0	25.1	1.09
I39	23 Aug 2023	1	18.08	85.07	8.7	33.18	8.2	23.9	0.69
I39	23 Aug 2023	2	17.87	85.05	8.7	33.18	8.2	23.9	0.72
I39	23 Aug 2023	3	17.65	84.93	8.6	33.19	8.2	24.0	0.75
I39	23 Aug 2023	4	17.11	84.17	8.7	33.18	8.2	24.1	0.80
I39	23 Aug 2023	5	16.95	80.85	8.7	33.16	8.2	24.1	0.99
I39	23 Aug 2023	6	16.84	76.60	8.7	33.15	8.2	24.1	1.21
I39	23 Aug 2023	7	16.76	74.04	8.8	33.15	8.2	24.1	1.50
I39	23 Aug 2023	8	16.70	72.12	8.8	33.14	8.2	24.2	1.73
I39	23 Aug 2023	9	16.67	71.15	8.8	33.14	8.2	24.2	2.02
I39	23 Aug 2023	10	16.58	70.16	8.8	33.14	8.2	24.2	2.24
I39	23 Aug 2023	11	16.58	69.80	8.8	33.14	8.2	24.2	2.46
I39	23 Aug 2023	12	16.56	69.72	8.8	33.14	8.2	24.2	2.56
I39	23 Aug 2023	13	16.53	69.15	8.8	33.14	8.2	24.2	2.65
I39	23 Aug 2023	14	16.52	69.08	8.8	33.14	8.2	24.2	2.58
I39	23 Aug 2023	15	16.51	69.06	8.8	33.14	8.2	24.2	2.53
I39	23 Aug 2023	16	16.50	68.87	8.8	33.14	8.2	24.2	2.48
I39	23 Aug 2023	17	16.49	69.07	8.8	33.14	8.2	24.2	2.43
I39	23 Aug 2023	18	16.49	68.80	8.8	33.14	8.2	24.2	2.46
I39	28 Aug 2023	1	17.56	73.40	9.1	33.04	8.2	23.9	1.01
I39	28 Aug 2023	2	17.50	74.28	9.1	33.06	8.2	23.9	1.14
I39	28 Aug 2023	3	16.78	74.97	8.8	33.16	8.2	24.2	1.31
I39	28 Aug 2023	4	15.31	81.89	8.6	33.19	8.1	24.5	1.06
I39	28 Aug 2023	5	14.44	86.96	8.1	33.22	8.1	24.7	0.92
I39	28 Aug 2023	6	14.25	87.26	8.0	33.20	8.1	24.7	1.02
I39	28 Aug 2023	7	14.15	86.61	7.9	33.20	8.1	24.8	1.25
I39	28 Aug 2023	8	14.07	86.59	7.9	33.21	8.1	24.8	1.40
I39	28 Aug 2023	9	14.04	86.32	7.8	33.22	8.1	24.8	1.49
I39	28 Aug 2023	10	14.04	85.98	7.8	33.22	8.1	24.8	1.63
I39	28 Aug 2023	11	13.97	86.13	7.7	33.23	8.0	24.8	1.59
I39	28 Aug 2023	12	13.83	86.05	7.6	33.24	8.0	24.9	1.45
I39	28 Aug 2023	13	13.82	85.73	7.5	33.24	8.0	24.9	1.37
I39	28 Aug 2023	14	13.75	85.52	7.4	33.24	8.0	24.9	1.27
I39	28 Aug 2023	15	13.72	85.19	7.4	33.25	8.0	24.9	1.11
I39	28 Aug 2023	16	13.68	85.37	7.2	33.25	8.0	24.9	1.03
I39	28 Aug 2023	17	13.20	85.13	6.7	33.31	8.0	25.0	0.85
I39	28 Aug 2023	18	13.05	84.53	6.5	33.30	8.0	25.1	0.72

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I40	04 Aug 2023	1	21.22	74.05	7.9	33.42	8.2	23.2	0.91
I40	04 Aug 2023	2	20.74	73.31	8.0	33.40	8.2	23.3	0.99
I40	04 Aug 2023	3	19.99	71.89	8.3	33.43	8.2	23.6	1.20
I40	04 Aug 2023	4	19.01	67.99	8.7	33.39	8.2	23.8	2.72
I40	04 Aug 2023	5	18.92	59.72	8.5	33.35	8.2	23.8	6.38
I40	04 Aug 2023	6	18.07	62.36	8.3	33.38	8.2	24.0	6.87
I40	04 Aug 2023	7	17.66	69.91	8.4	33.35	8.2	24.1	4.45
I40	04 Aug 2023	8	17.20	74.41	8.3	33.39	8.2	24.2	3.25
I40	04 Aug 2023	9	16.80	75.96	8.2	33.36	8.2	24.3	2.54
I40	04 Aug 2023	10	16.58	66.40	8.1	33.34	8.1	24.3	2.13
I40	07 Aug 2023	1	21.01	72.34	8.5	33.39	8.2	23.3	1.25
I40	07 Aug 2023	2	20.05	70.17	8.8	33.40	8.2	23.5	1.39
I40	07 Aug 2023	3	18.44	71.27	8.9	33.38	8.2	23.9	1.89
I40	07 Aug 2023	4	17.78	69.48	8.2	33.35	8.2	24.1	2.44
I40	07 Aug 2023	5	16.48	67.68	8.3	33.32	8.1	24.3	2.72
I40	07 Aug 2023	6	15.82	74.37	8.6	33.29	8.1	24.5	2.45
I40	07 Aug 2023	7	15.72	80.93	8.7	33.29	8.1	24.5	2.08
I40	07 Aug 2023	8	15.65	78.88	8.4	33.30	8.1	24.5	1.97
I40	07 Aug 2023	9	15.62	70.82	8.1	33.31	8.1	24.5	2.35
I40	07 Aug 2023	10	15.76	58.08	8.1	33.31	8.1	24.5	2.83
I40	14 Aug 2023	1	19.48	79.39	8.4	33.33	8.2	23.6	1.21
I40	14 Aug 2023	2	18.95	78.13	8.2	33.34	8.2	23.8	1.37
I40	14 Aug 2023	3	17.89	75.53	8.0	33.32	8.1	24.0	1.83
I40	14 Aug 2023	4	15.71	74.91	8.0	33.31	8.1	24.5	2.01
I40	14 Aug 2023	5	15.28	78.66	8.1	33.24	8.1	24.6	1.87
I40	14 Aug 2023	6	14.80	80.38	8.2	33.25	8.1	24.7	1.75
I40	14 Aug 2023	7	14.25	77.96	7.9	33.27	8.1	24.8	2.22
I40	14 Aug 2023	8	14.00	70.75	7.7	33.26	8.0	24.8	2.81
I40	14 Aug 2023	9	13.92	61.14	7.7	33.26	8.0	24.9	2.82
I40	14 Aug 2023	10	13.91	51.24	7.6	33.27	8.0	24.9	2.87
I40	23 Aug 2023	1	17.66	81.77	8.7	33.16	8.2	23.9	0.57
I40	23 Aug 2023	2	17.55	79.89	8.7	33.16	8.2	24.0	0.59
I40	23 Aug 2023	3	16.87	77.35	8.7	33.17	8.2	24.1	0.79
I40	23 Aug 2023	4	16.70	69.80	8.8	33.13	8.2	24.2	1.13
I40	23 Aug 2023	5	16.63	67.38	8.8	33.13	8.2	24.2	1.38
I40	23 Aug 2023	6	16.44	65.56	8.9	33.12	8.2	24.2	2.30
I40	23 Aug 2023	7	16.39	63.60	8.9	33.11	8.2	24.2	3.26
I40	23 Aug 2023	8	16.37	61.80	8.9	33.11	8.2	24.2	3.49
I40	23 Aug 2023	9	16.36	58.97	8.9	33.11	8.2	24.2	3.30
I40	23 Aug 2023	10	16.35	55.84	8.9	33.12	8.2	24.2	3.23
I40	28 Aug 2023	1	17.00	78.61	8.8	33.14	8.1	24.1	0.61
I40	28 Aug 2023	2	16.02	79.41	8.6	33.18	8.1	24.3	0.77
I40	28 Aug 2023	3	15.24	75.70	8.5	33.18	8.1	24.5	1.01
I40	28 Aug 2023	4	15.13	77.89	8.5	33.17	8.1	24.5	0.99
I40	28 Aug 2023	5	15.06	79.82	8.5	33.17	8.1	24.5	1.15
I40	28 Aug 2023	6	14.94	80.49	8.3	33.18	8.1	24.6	1.24
I40	28 Aug 2023	7	14.70	78.05	7.8	33.19	8.1	24.6	1.56
I40	28 Aug 2023	8	14.25	66.78	7.0	33.21	8.0	24.8	1.85
I40	28 Aug 2023	9	14.17	52.20	6.8	33.21	8.0	24.8	2.08
I40	28 Aug 2023	10	14.07	49.25	6.8	33.21	8.0	24.8	2.32

NA = not available

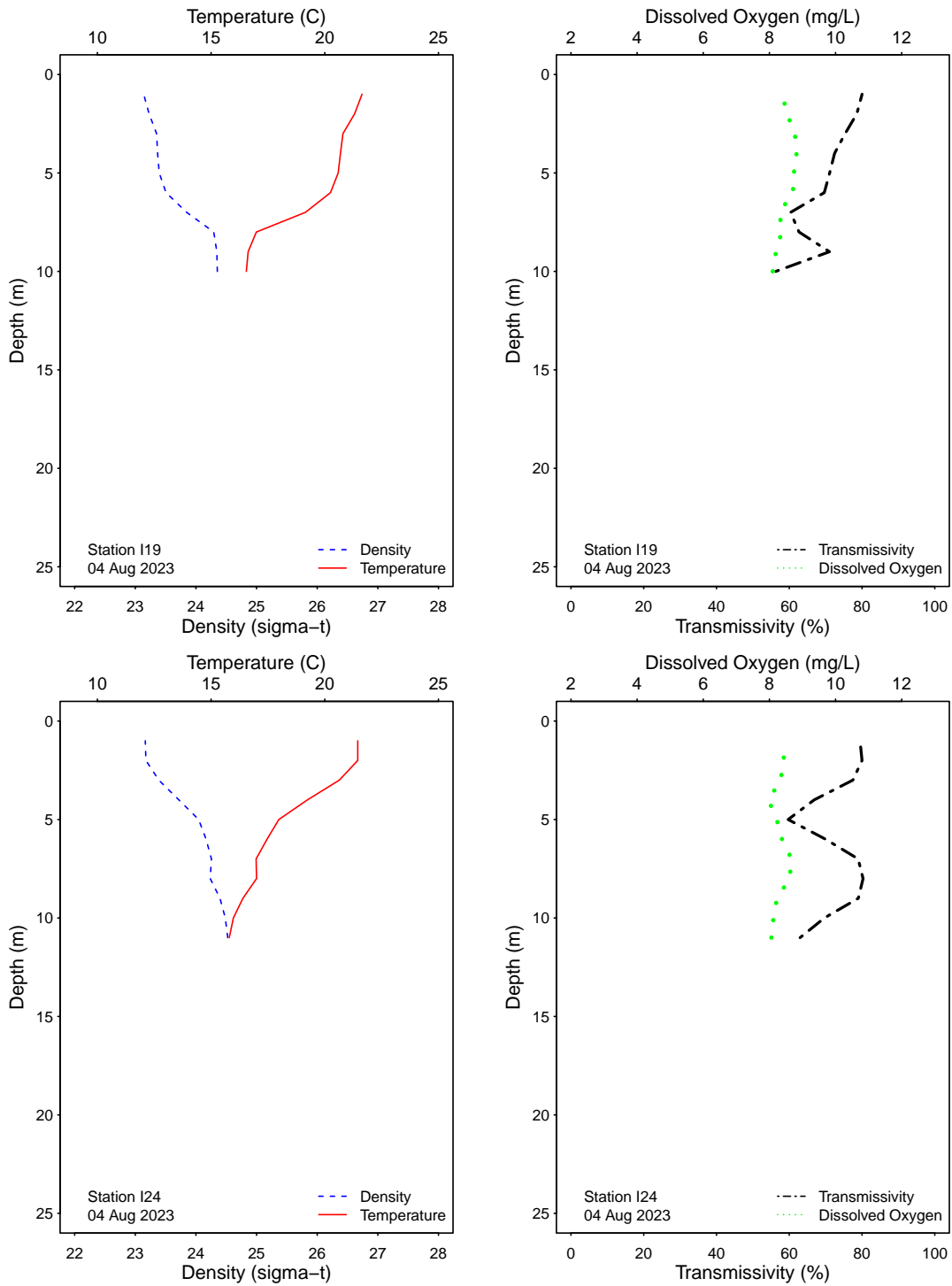


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

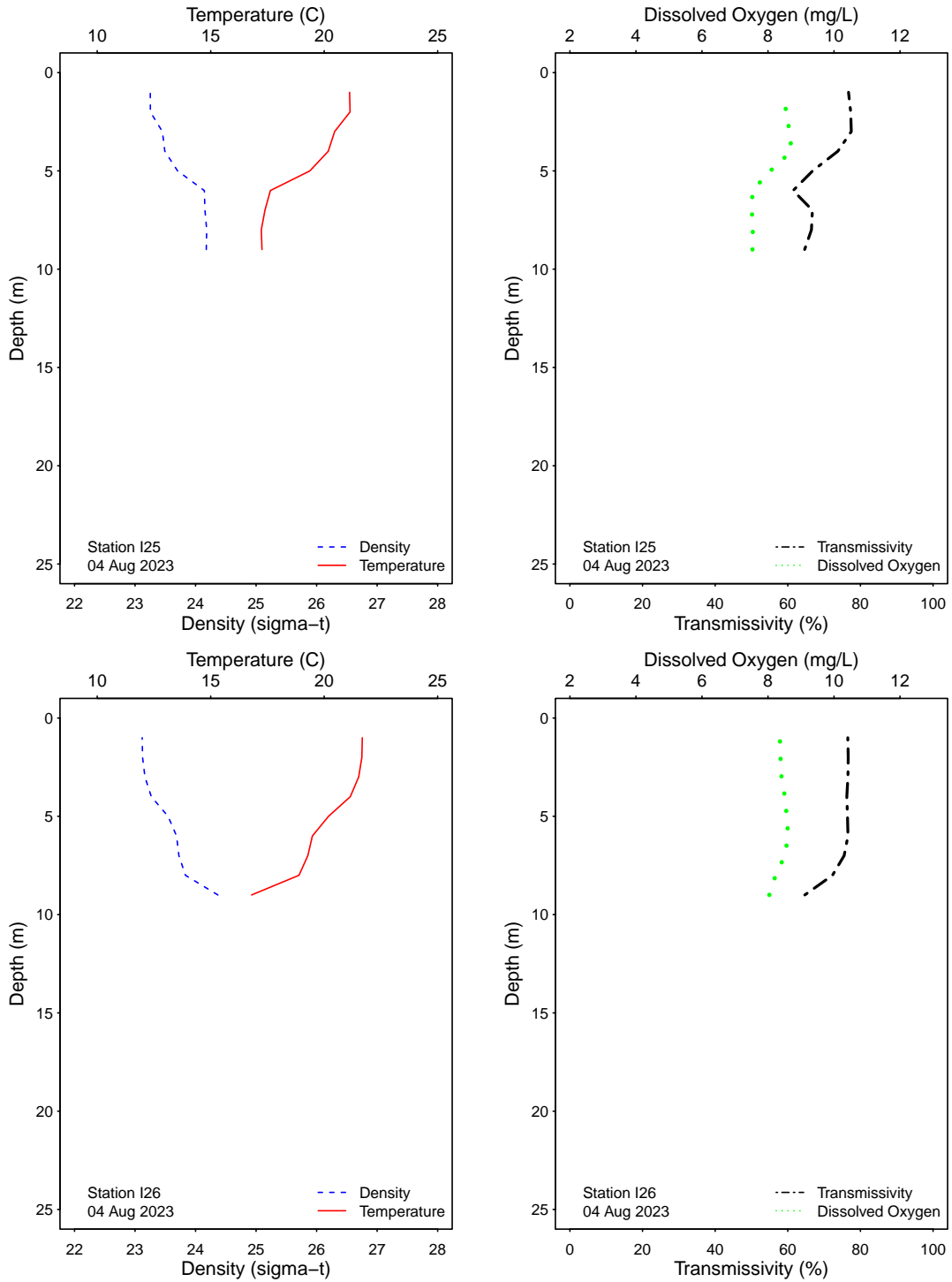


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

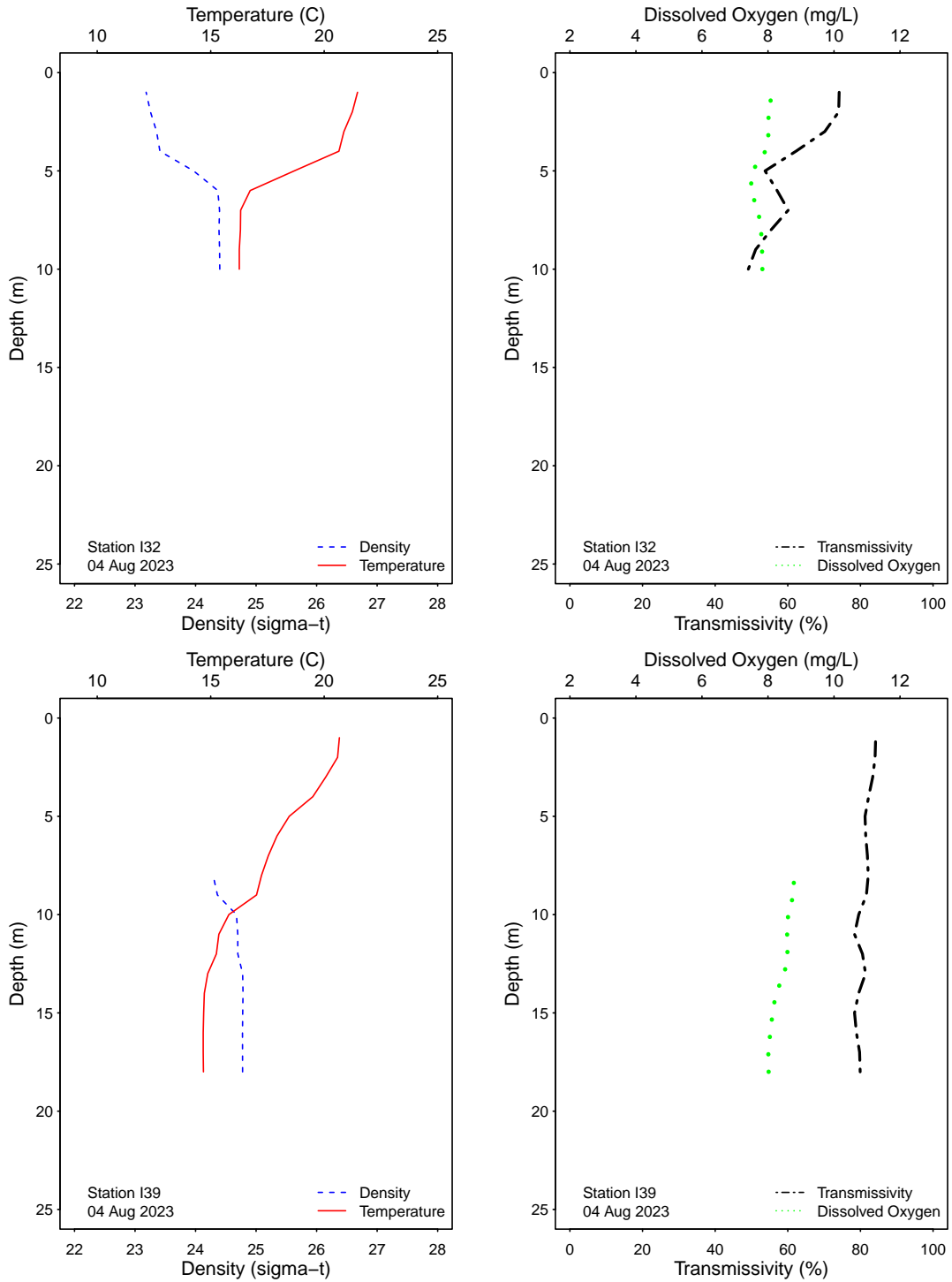


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

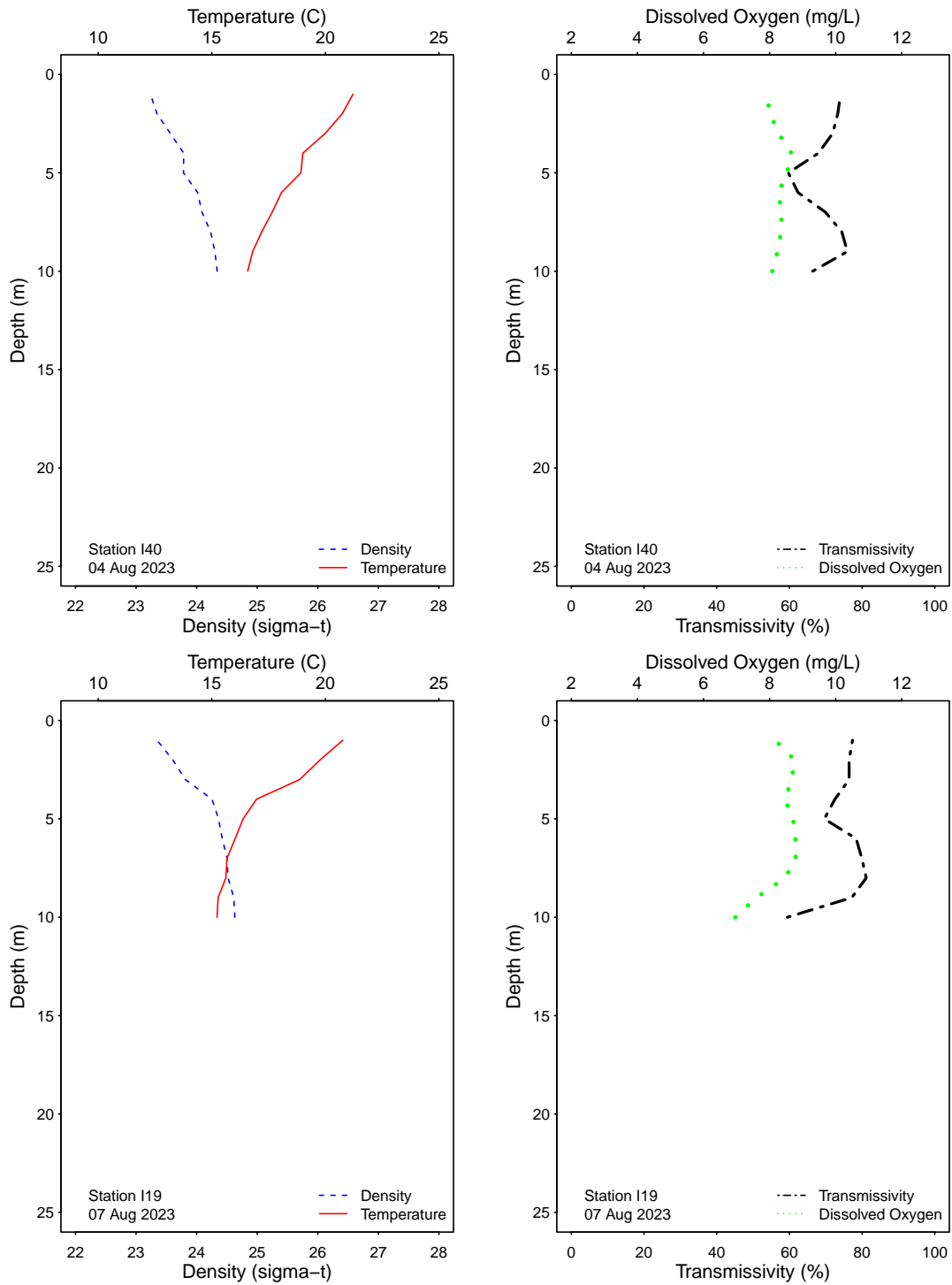


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

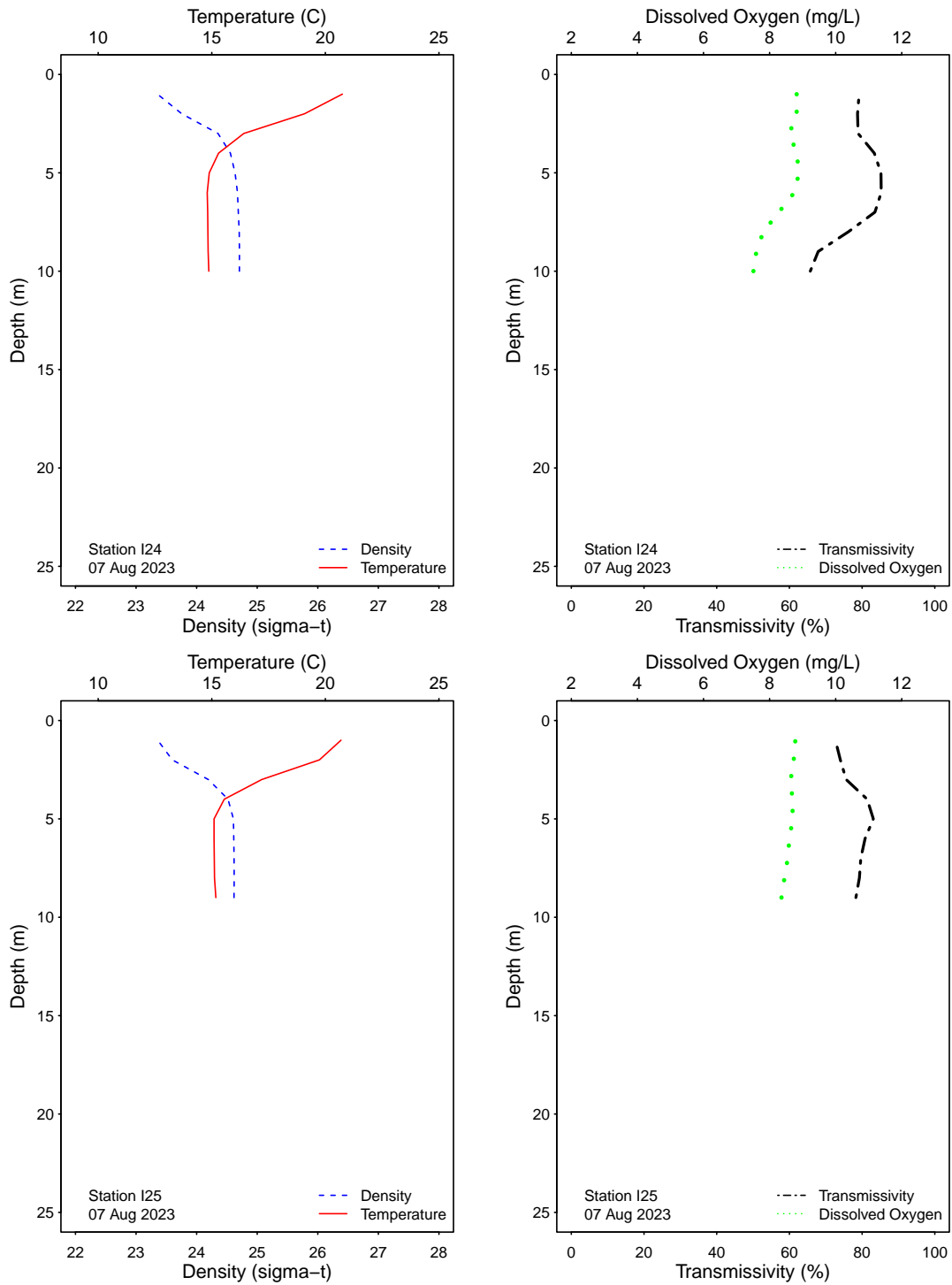


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

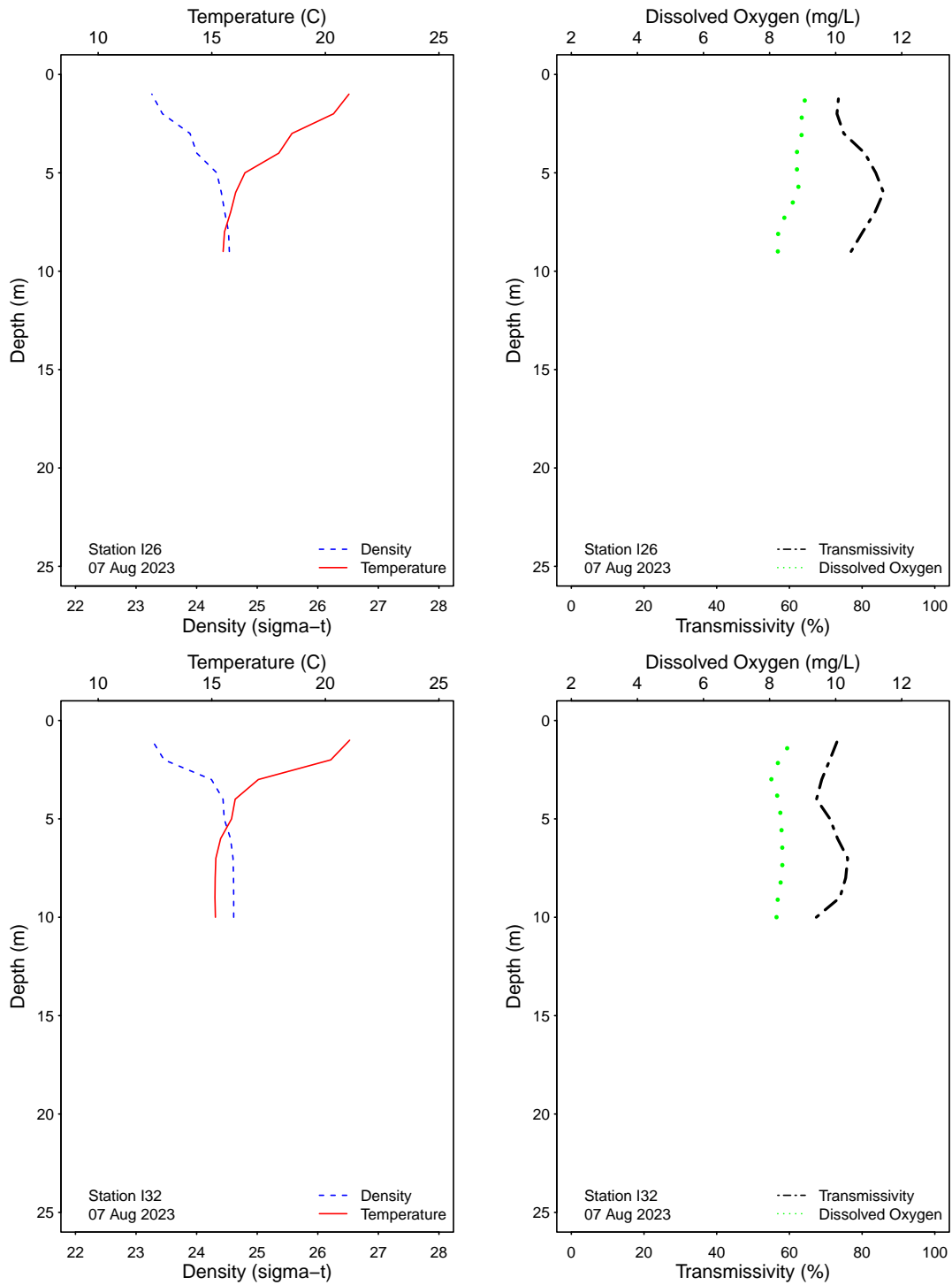


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

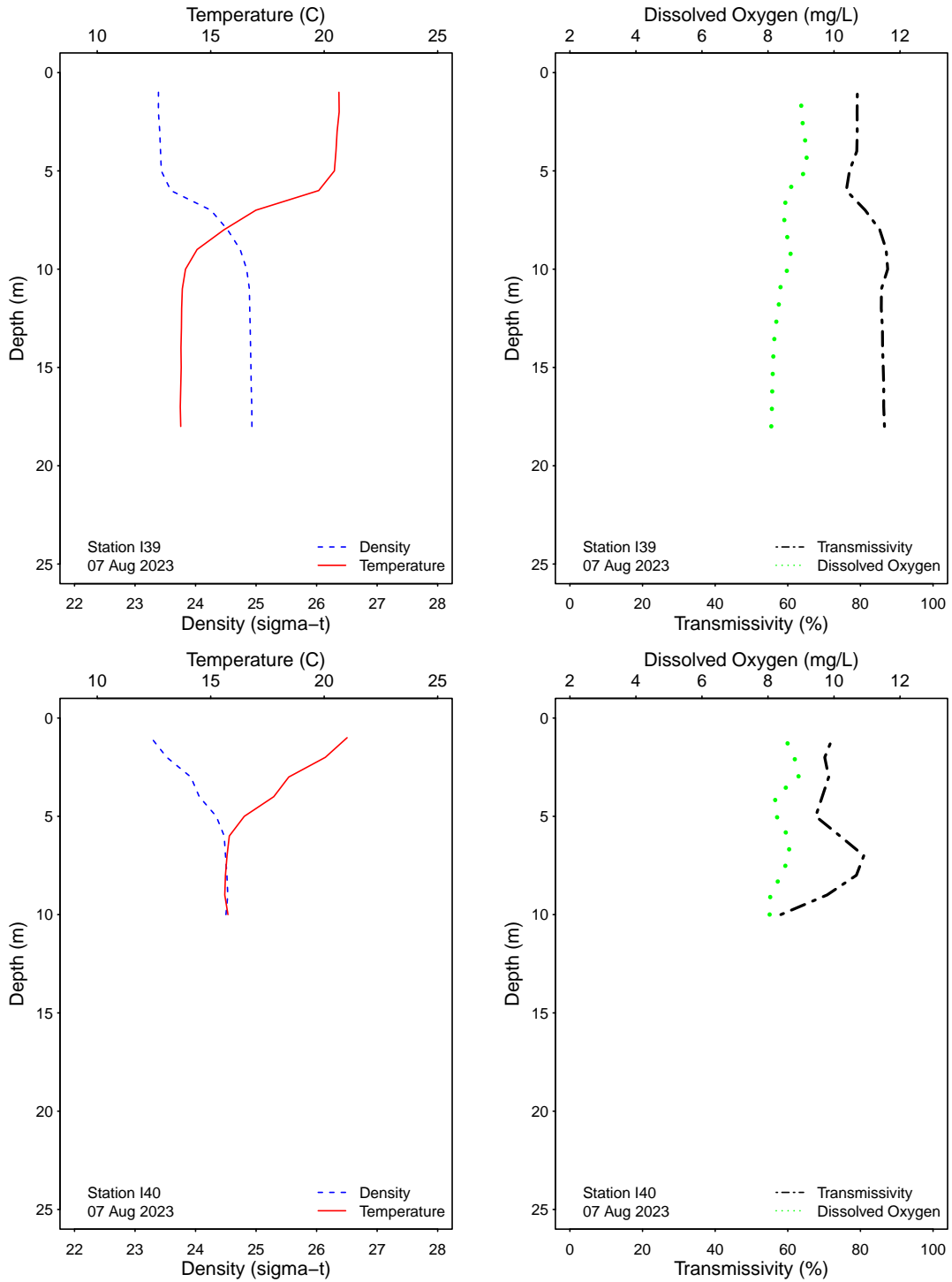


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

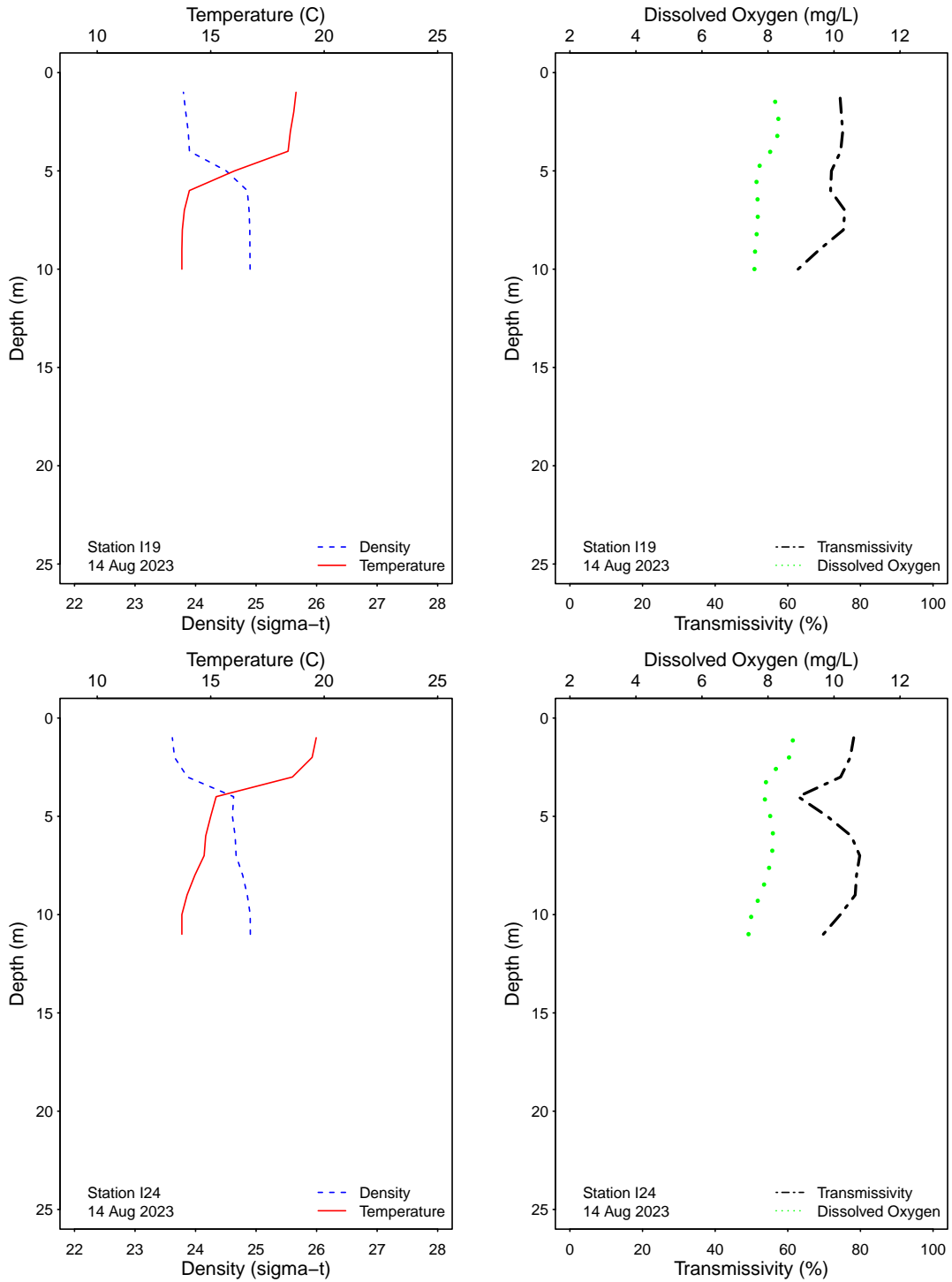


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

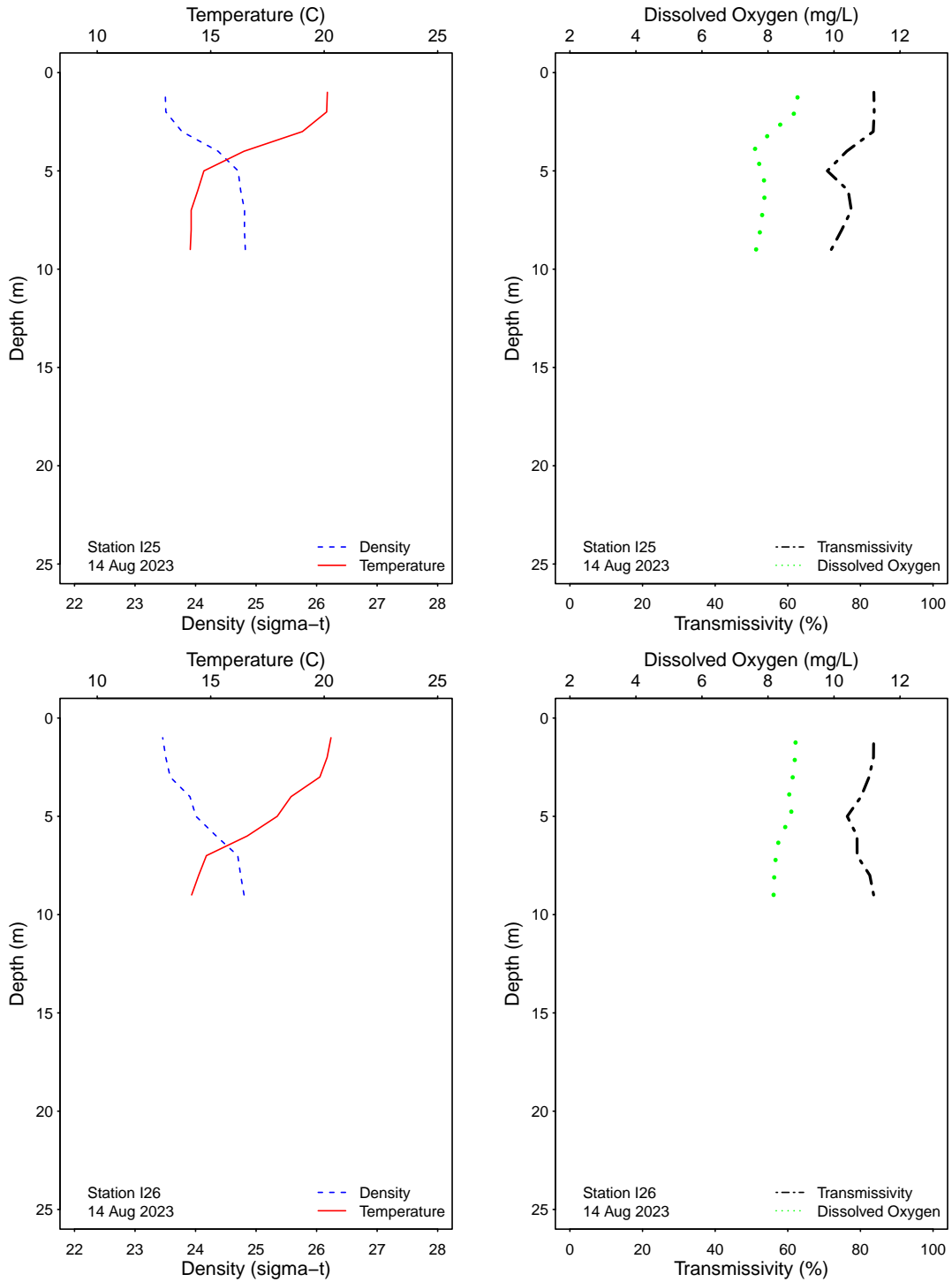


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

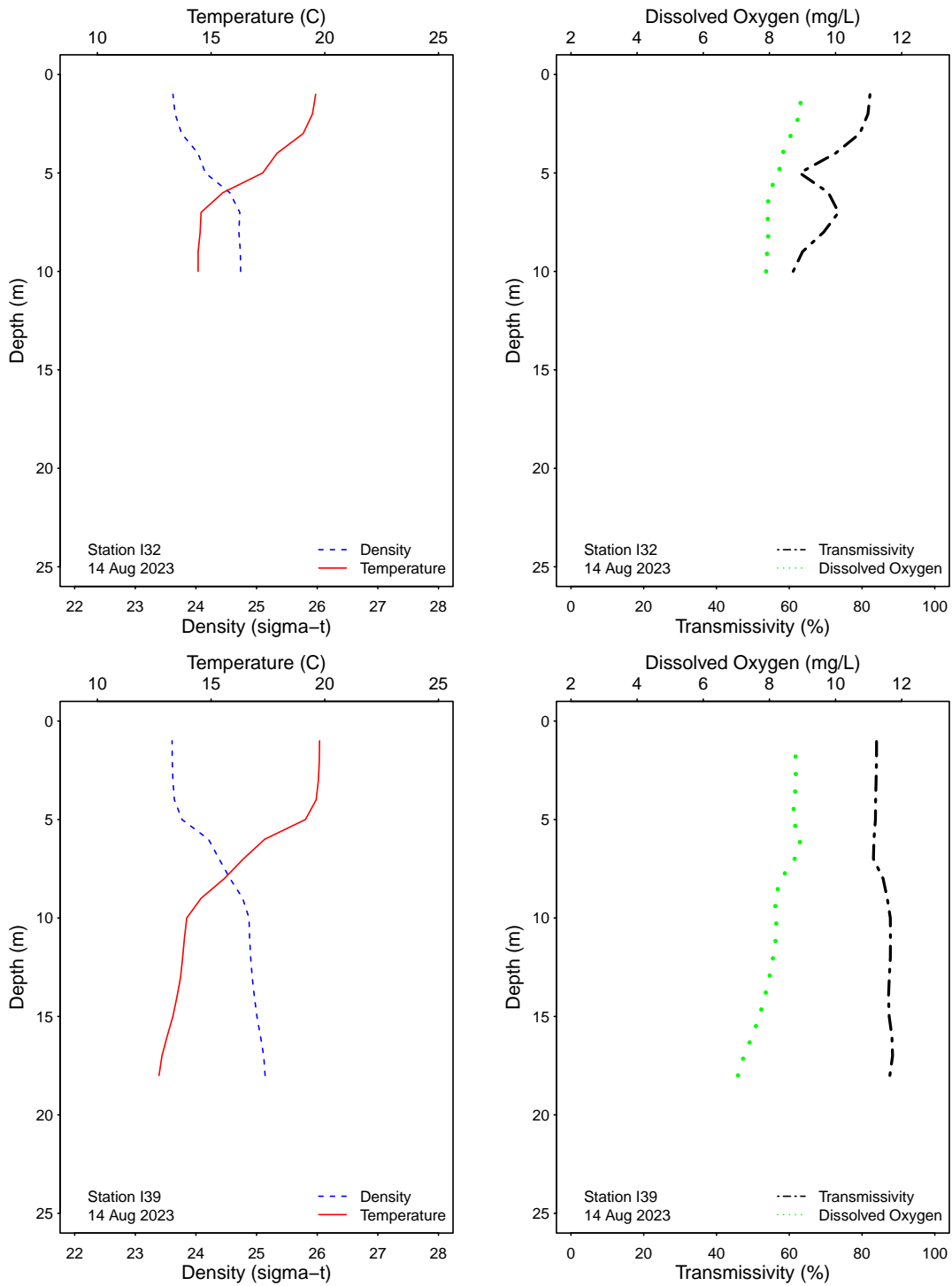


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

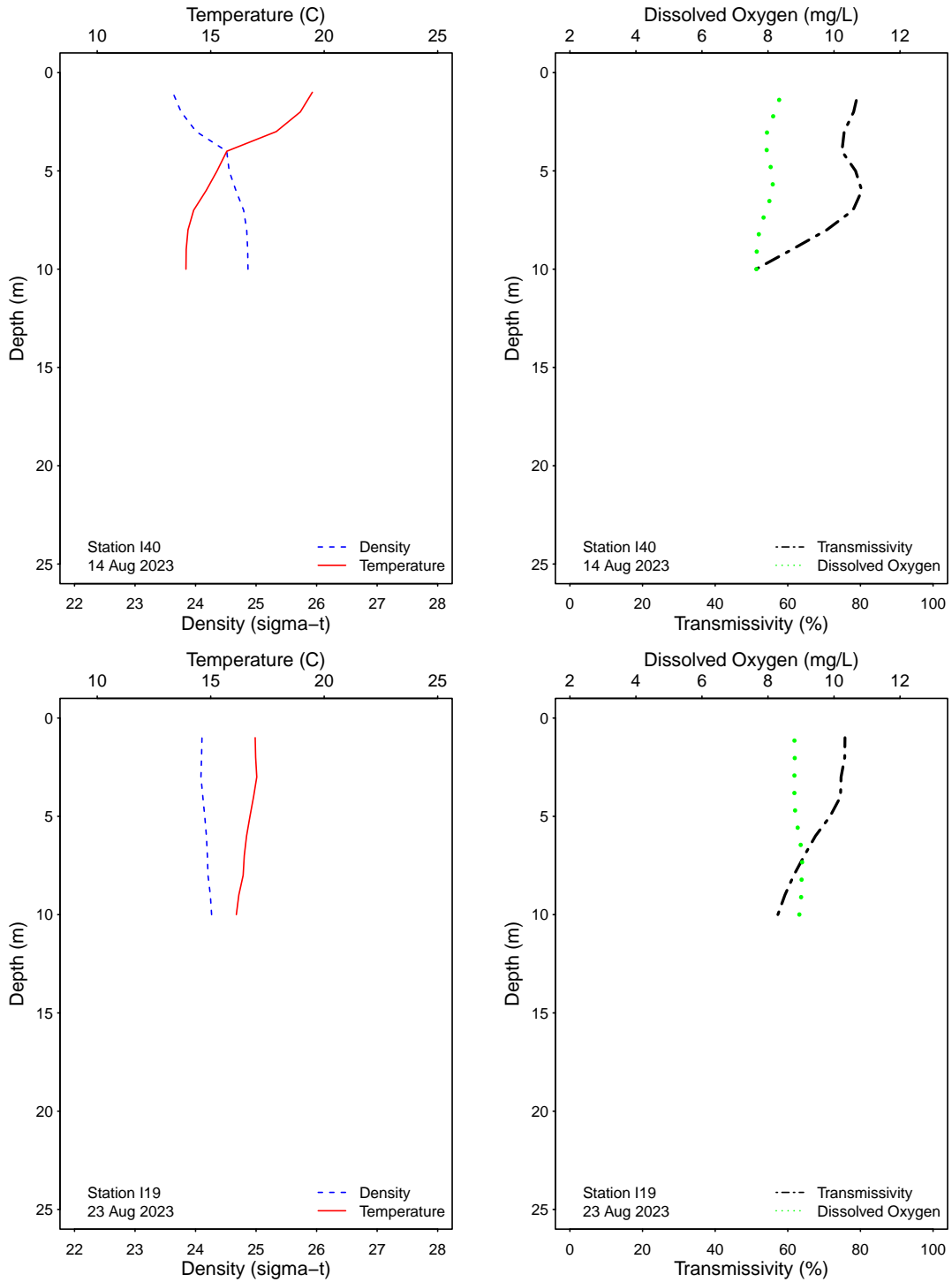


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

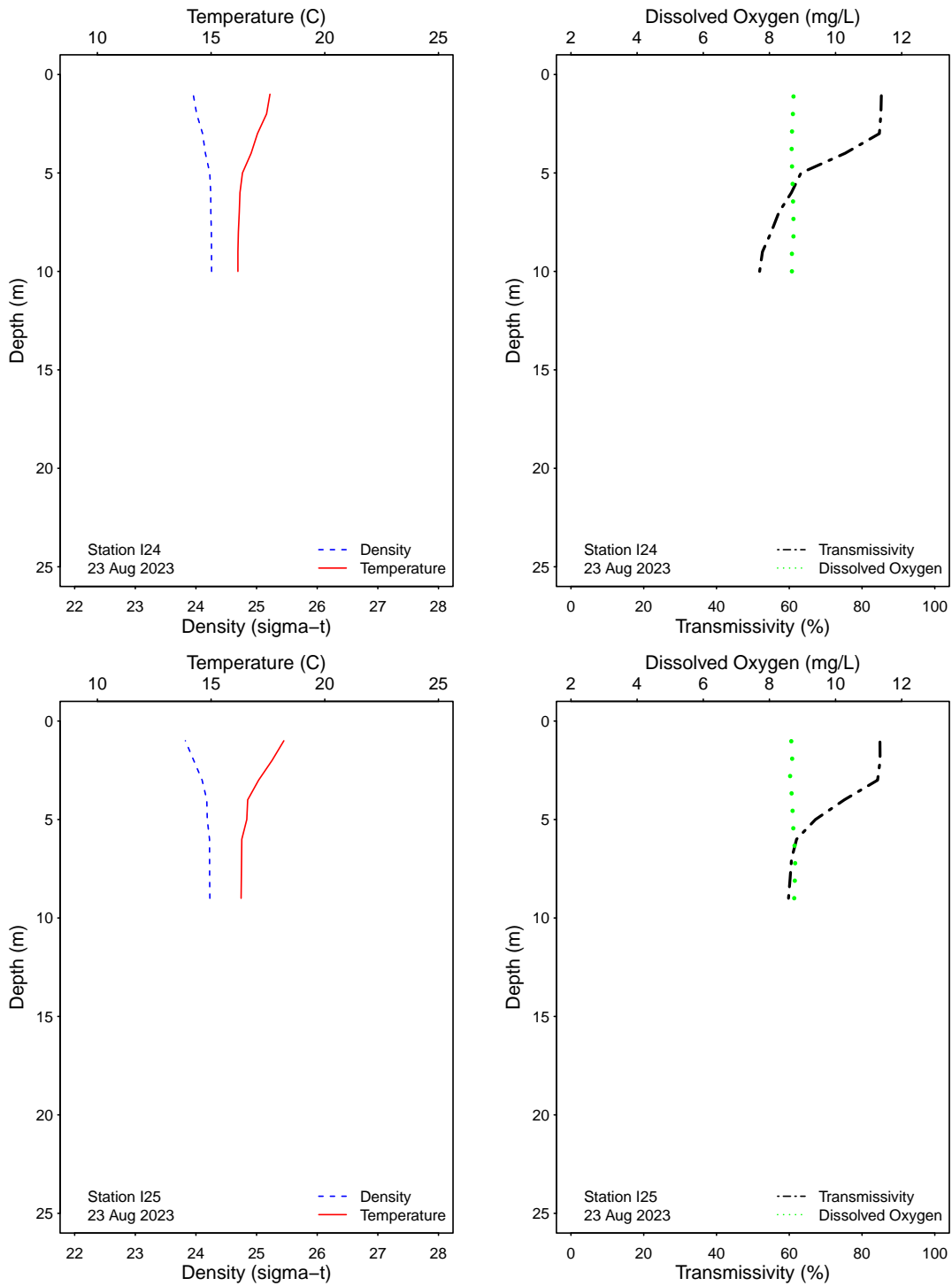


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

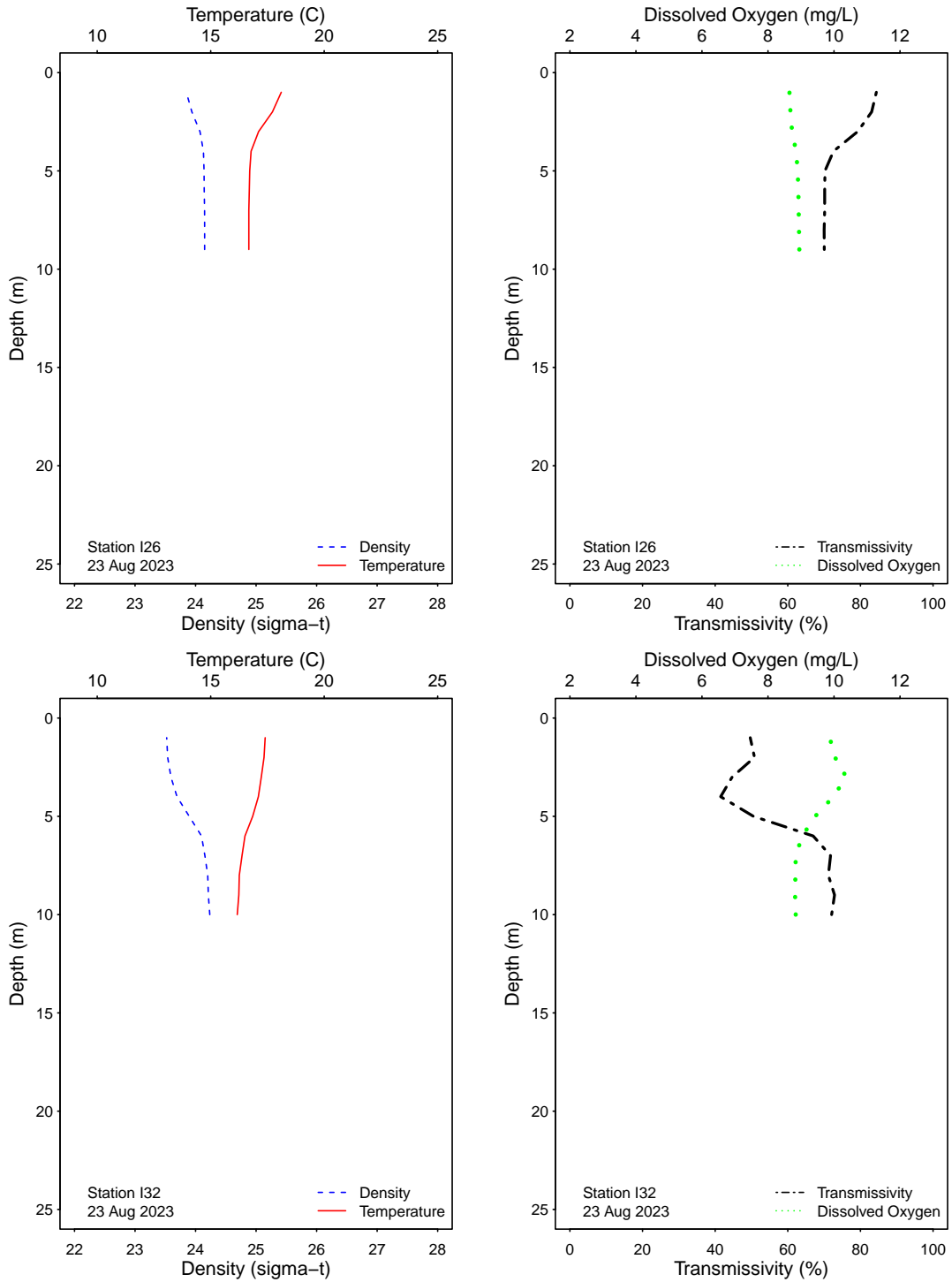


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

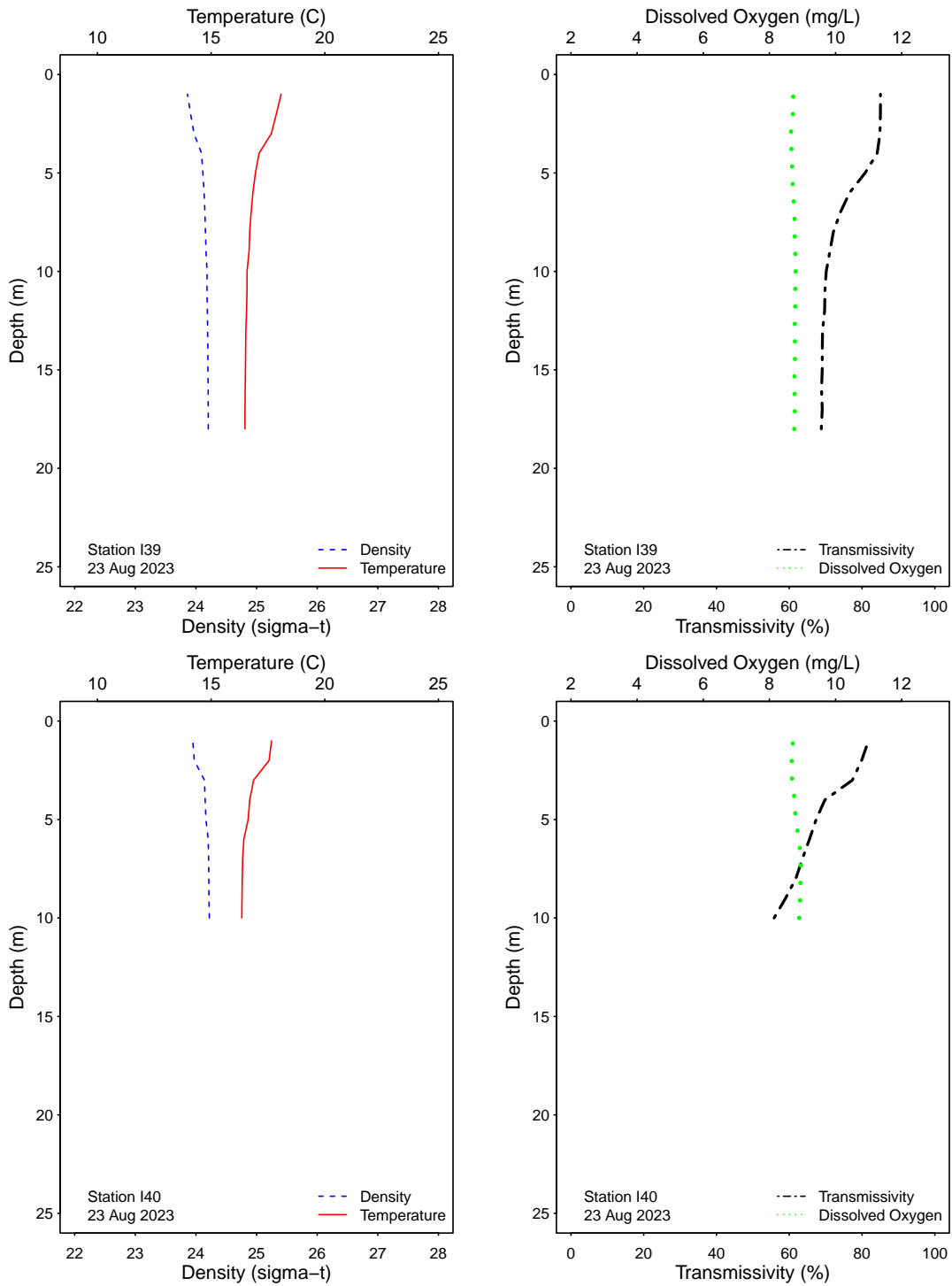


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

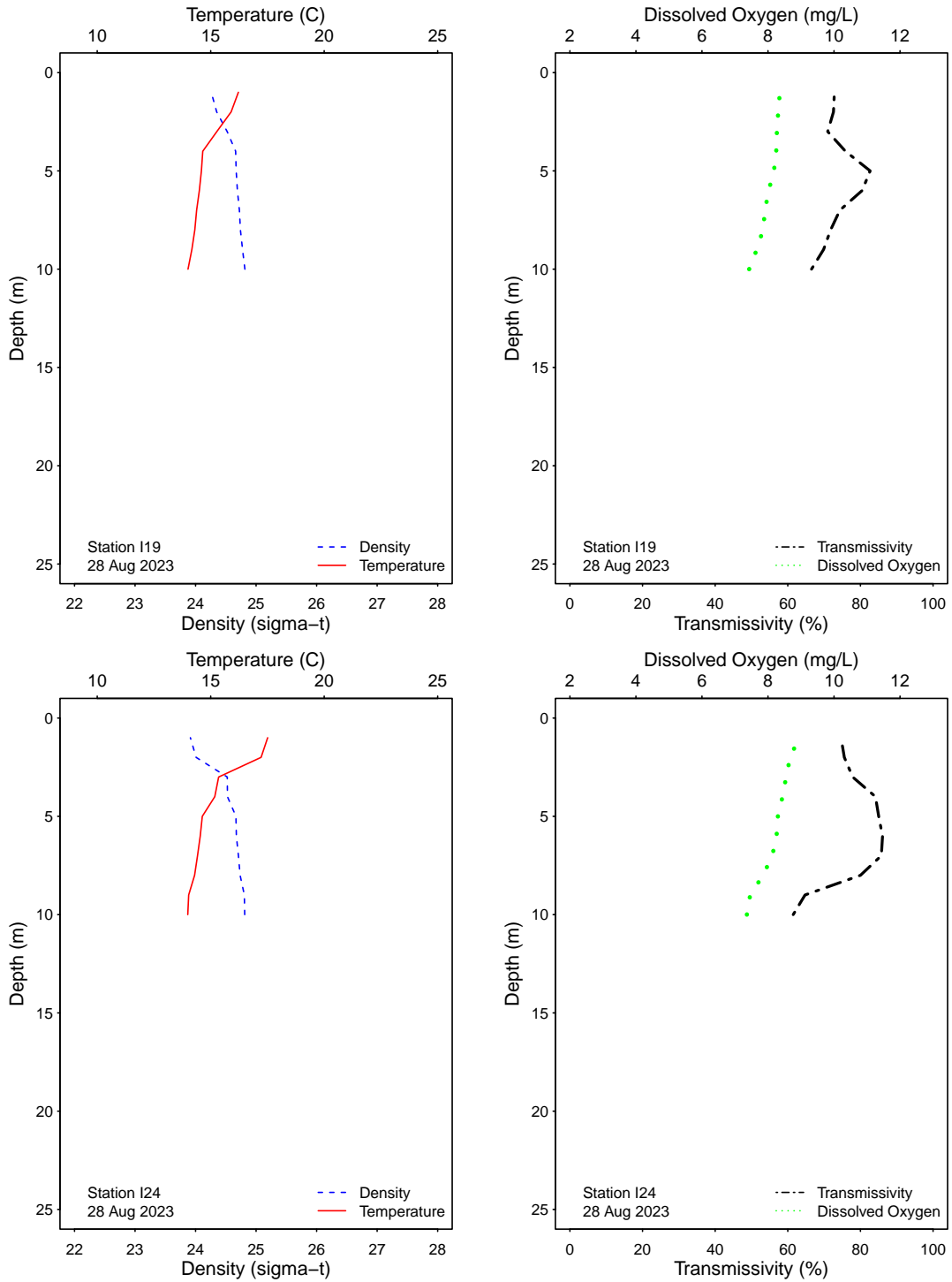


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

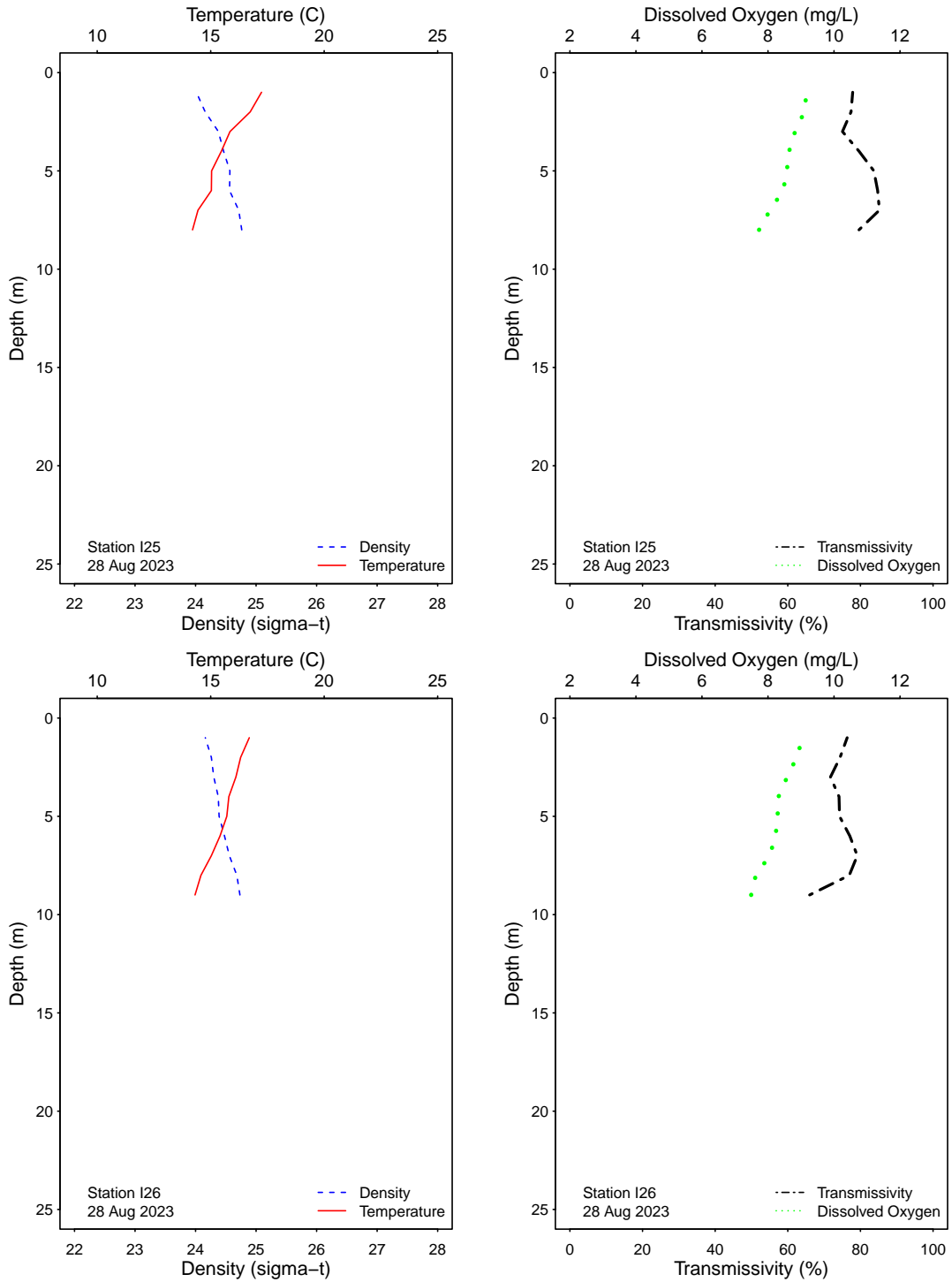


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

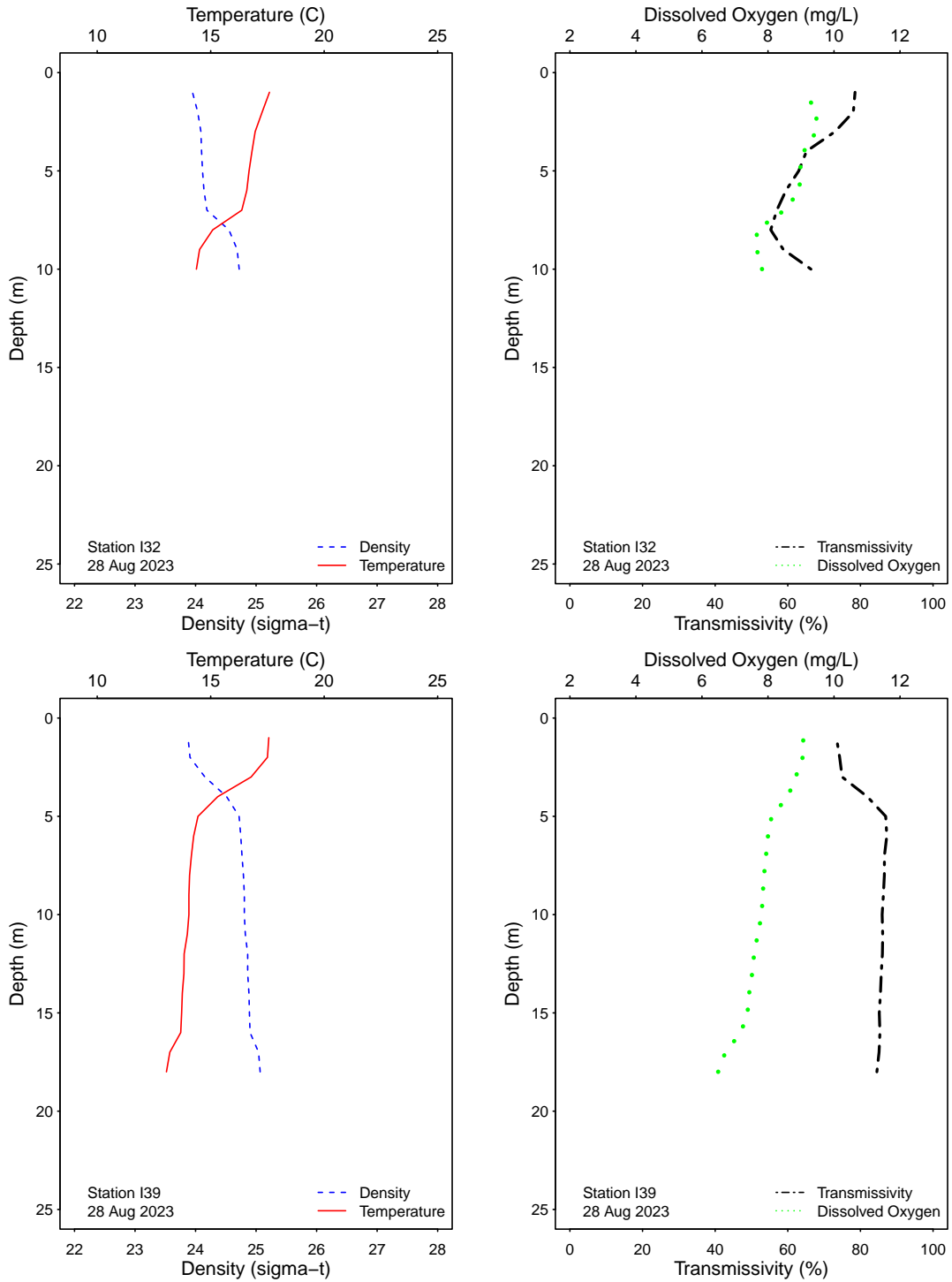


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

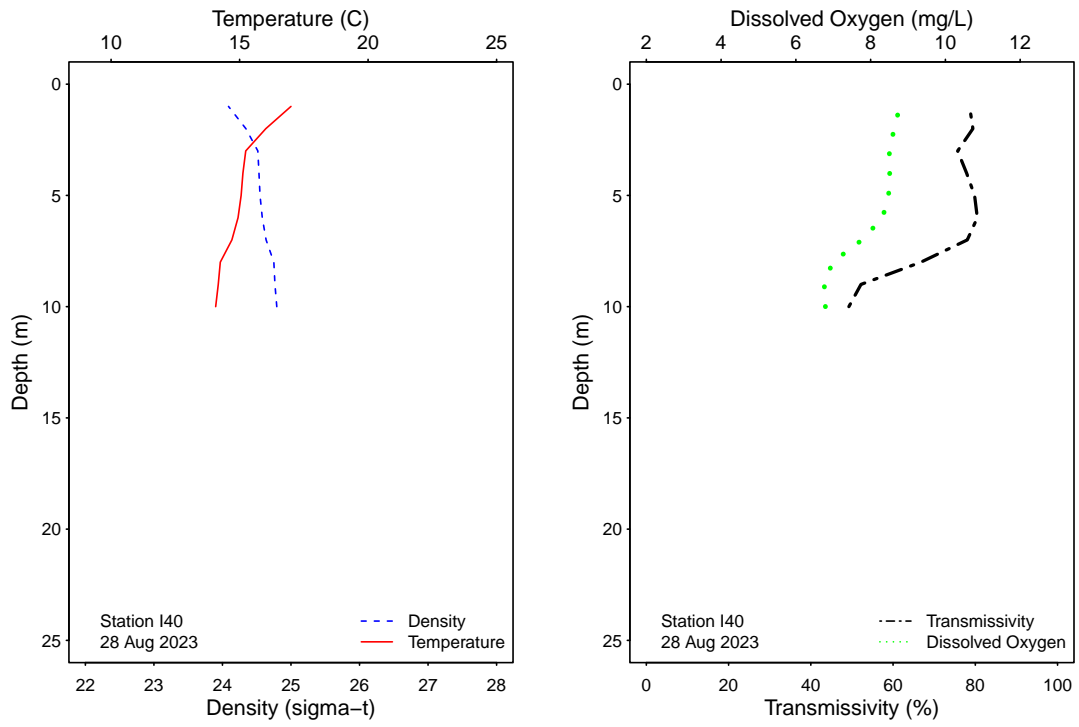


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

Offshore Stations

Table 4.1

Summary of compliance with the Ocean Plan's Single Sample Maximum standard for fecal coliform bacteria at the SBOO offshore stations within State jurisdictional waters. Fecal coliform density shall not exceed 400 CFU/100 mL.

Date	I12	I14	I16	I18	I22	I23	I33	I36	I37	I38
09 Aug 2023	E	IC	IC	IC	IC	IC	ns	ns	ns	ns
10 Aug 2023	ns	ns	ns	ns	ns	ns	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 4.2

Summary of compliance with the Ocean Plan's Statistical Threshold Value standard for *Enterococcus* bacteria at the SBOO offshore stations within State jurisdictional waters. *Enterococcus* density shall not exceed 110 CFU/100 mL in more than 10% of samples per month.

Date	I12	I14	I16	I18	I22	I23	I33	I36	I37	I38
August	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 4.3

Summary of compliance with the Ocean Plan's Statistical Threshold Value standard for total coliform bacteria at the SBOO offshore stations within State jurisdictional waters. Total coliform density shall not exceed 110 CFU/100 mL in more than 10% of samples per month.

Date	I12		I14		I16		I18		I22		I23		I33		I36		I37		I38		
	2m	18m	2m	18m	2m	18m	2m	12m	2m	18m	2m	12m	2m	18m	2m	6m	11m	2m	6m	11m	6m
August	IC	E	IC	IC	IC	E	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 4.4

Summary of water quality parameters at the SBOO offshore stations for each sample date. Densities of total coliform (Total), fecal coliform (Fecal), and *Enterococcus* (Entero) bacteria are reported as CFU/100 mL; values for temperature (Temp, °C), transmissivity (XMS, ‰), dissolved oxygen (DO, mg/L), salinity (Sal, ppt) and pH were extracted from CTD profile data for depths closest to those at which the bacteriological samples were collected. Comments follow the data summary.

Station	Date	Time	Depth	Total	Fecal	Entero	Temp	XMS	DO	Sal	pH
I10	08 Aug 2023	1056	2	<2	<2	<2	21.6	86.38	7.9	33.45	8.2
I10	08 Aug 2023	1056	12	<2	<2	<2	17.5	87.40	8.5	33.32	8.2
I10	08 Aug 2023	1056	18	2e	<2	<2	14.1	88.71	9.1	33.20	8.2
I11	08 Aug 2023	1045	2	<2	<2	<2	19.9	84.15	8.6	33.40	8.2
I11	08 Aug 2023	1045	6	<2	<2	<2	17.4	86.35	8.8	33.33	8.2
I11	08 Aug 2023	1045	11	<2	<2	<2	15.2	83.04	8.8	33.25	8.1
I12	09 Aug 2023	946	2	2e	2e	<2	19.8	84.67	8.4	33.39	8.2
I12	09 Aug 2023	946	18	1100	460	4e	13.4	86.17	8.1	33.23	8.1
I12	09 Aug 2023	946	27	40	6e	74	13.2	86.85	7.6	33.34	8.0
I13	09 Aug 2023	1035	2	<2	<2	<2	21.0	84.32	8.5	33.44	8.2
I13	09 Aug 2023	1035	18	<2	<2	<2	14.7	88.86	9.1	33.24	8.2
I13	09 Aug 2023	1035	37	<2	<2	<2	12.6	90.64	7.0	33.35	8.0
I14	09 Aug 2023	1015	2	<2	<2	<2	20.7	84.03	8.4	33.41	8.2
I14	09 Aug 2023	1015	18	8e	2e	2e	13.8	89.07	8.7	33.29	8.1
I14	09 Aug 2023	1015	27	8e	<2	<2	13.3	86.14	7.8	33.34	8.1
I16	09 Aug 2023	938	2	<2	<2	<2	19.4	82.40	8.6	33.39	8.2
I16	09 Aug 2023	938	18	440	84	22e	13.7	84.51	8.5	33.27	8.1
I16	09 Aug 2023	938	27	2e	<2	2e	13.3	85.11	7.8	33.34	8.0
I18	09 Aug 2023	921	2	<2	<2	<2	20.8	84.63	8.2	33.43	8.2
I18	09 Aug 2023	921	12	<2	<2	<2	15.0	88.05	9.0	33.24	8.2
I18	09 Aug 2023	921	18	<2	<2	<2	14.1	87.25	8.8	33.25	8.1
I20	09 Aug 2023	806	2	<2	<2	<2	21.7	87.06	8.1	33.45	8.2
I20	09 Aug 2023	806	18	<2	<2	<2	14.7	84.92	8.8	33.26	8.1
I20	09 Aug 2023	806	55	<2	<2	<2	11.5	90.50	5.5	33.49	7.9
I21	09 Aug 2023	827	2	<2	<2	<2	20.4	84.18	8.8	33.41	8.2
I21	09 Aug 2023	827	18	<2	<2	<2	14.6	87.53	8.9	33.26	8.1
I21	09 Aug 2023	827	37	<2	<2	<2	12.6	90.29	6.7	33.37	8.0
I22	09 Aug 2023	858	2	<2	<2	<2	18.2	84.75	8.8	33.37	8.2
I22	09 Aug 2023	858	18	6e	2e	2e	13.9	89.82	8.8	33.27	8.1
I22	09 Aug 2023	858	27	2e	<2	<2	13.4	85.16	7.8	33.34	8.0
I23	09 Aug 2023	910	2	<2	<2	<2	20.5	84.43	8.3	33.42	8.2
I23	09 Aug 2023	910	12	<2	<2	<2	15.2	82.82	9.0	33.26	8.2
I23	09 Aug 2023	910	18	<2	<2	<2	14.1	84.14	8.9	33.26	8.1
I3	08 Aug 2023	932	2	<2	<2	<2	21.6	88.63	7.8	33.44	8.1
I3	08 Aug 2023	932	18	<2	<2	<2	14.2	90.44	9.1	33.15	8.2
I3	08 Aug 2023	932	27	<2	<2	<2	13.7	85.71	8.5	33.30	8.1
I30	10 Aug 2023	857	2	<2	<2	<2	20.3	80.63	9.1	33.41	8.2
I30	10 Aug 2023	857	18	<2	<2	<2	14.6	85.37	9.0	33.21	8.1
I30	10 Aug 2023	857	27	<2	<2	<2	13.7	85.59	8.2	33.31	8.1

Station	Date	Time	Depth	Total	Fecal	Enteroc	Temp	XMS	DO	Sal	pH
I33	10 Aug 2023	806	2	<2	<2	<2	21.6	82.37	8.2	33.48	8.2
I33	10 Aug 2023	806	18	<2	<2	<2	14.3	86.58	9.1	33.22	8.2
I33	10 Aug 2023	806	27	<2	<2	<2	14.0	80.22	8.2	33.28	8.1
I36	10 Aug 2023	928	2	<2	<2	<2	21.7	75.24	8.4	33.43	8.2
I36	10 Aug 2023	928	6	<2	<2	<2	21.7	75.27	8.3	33.43	8.2
I36	10 Aug 2023	928	11	<20	<2	<2	17.9	68.73	7.9	33.34	8.1
I37	10 Aug 2023	740	2	<2	<2	<2	21.1	81.36	NA	NA	8.2
I37	10 Aug 2023	740	6	<2	<2	<2	18.4	81.70	8.7	33.52	8.2
I37	10 Aug 2023	740	11	<2	2e	<2	15.6	74.82	8.2	33.35	8.1
I38	10 Aug 2023	956	2	<2	<2	<2	22.0	70.78	9.1	33.44	8.3
I38	10 Aug 2023	956	6	<2	<2	<2	21.5	72.91	8.9	33.42	8.3
I38	10 Aug 2023	956	11	<20	<2	<2	17.1	60.95	6.3	33.33	8.0
I5	08 Aug 2023	954	2	<2	<2	6e	20.8	78.75	8.3	33.41	8.2
I5	08 Aug 2023	954	6	<2	<2	2e	17.7	83.57	8.8	33.33	8.2
I5	08 Aug 2023	954	11	<2	<2	<2	14.9	82.69	8.8	33.24	8.2
I7	08 Aug 2023	808	2	<2	<2	<2	20.9	85.90	8.3	33.43	8.2
I7	08 Aug 2023	808	18	<2	<2	<2	16.5	88.40	9.0	33.33	8.2
I7	08 Aug 2023	808	52	<2	<2	<2	11.9	90.65	6.2	33.41	8.0
I8	08 Aug 2023	1132	2	<2	<2	<2	20.7	82.90	8.4	33.43	8.2
I8	08 Aug 2023	1132	18	<2	<2	<2	14.8	88.70	9.1	33.23	8.2
I8	08 Aug 2023	1132	37	<2	<2	<2	12.7	88.95	7.1	33.35	8.0
I9	08 Aug 2023	1114	2	<2	<2	<2	21.8	85.46	7.9	33.45	8.2
I9	08 Aug 2023	1114	18	<2	<2	<2	14.4	89.16	9.2	33.22	8.2
I9	08 Aug 2023	1114	27	<2	<2	<2	13.4	84.67	8.3	33.32	8.1

ns = not sampled
ND = no data

Comments

Station	Date	Depth	Parameter	Comments
I37	10 Aug 2023			Salinity and DO data omitted in upper 15m due to bubbles

Table 4.5

Summary of visual observations made during the month for each SBOO offshore station by sample date.

Station	Date	Parameter	Value
I1	08 Aug 2023	Depth (m)	60
I1	08 Aug 2023	Arrive Time	838
I1	08 Aug 2023	Depart Time	902
I1	08 Aug 2023	Air Temp (C)	21.1
I1	08 Aug 2023	Weather	Partly Cloudy
I1	08 Aug 2023	Visibility (mi)	12
I1	08 Aug 2023	Wind Speed (kts)	4.1
I1	08 Aug 2023	Wind Dir	W
I1	08 Aug 2023	Water Color	Blue
I1	08 Aug 2023	Wave Ht Low (ft)	2
I1	08 Aug 2023	Wave Period (sec)	13
I1	08 Aug 2023	Sea State	Calm
I1	08 Aug 2023	High Tide (ft)	5.28
I1	08 Aug 2023	High Tide Time	1542
I1	08 Aug 2023	Low Tide (ft)	0.99
I1	08 Aug 2023	Low Tide Time	2318
I1	08 Aug 2023	Comments	OA 1m Btl#2308084180 Nsk# 4;OA 30m Btl#2308084181 Nsk# 3;OA 60m Btl#2308084182 Nsk# 2;OA 60m-dup Btl#2308084183 Nsk# 1
I10	08 Aug 2023	Depth (m)	20
I10	08 Aug 2023	Arrive Time	1056
I10	08 Aug 2023	Depart Time	1106
I10	08 Aug 2023	Air Temp (C)	22.2
I10	08 Aug 2023	Weather	Partly Cloudy
I10	08 Aug 2023	Visibility (mi)	12
I10	08 Aug 2023	Wind Speed (kts)	10.9
I10	08 Aug 2023	Wind Dir	SW
I10	08 Aug 2023	Water Color	Green
I10	08 Aug 2023	Wave Ht Low (ft)	2
I10	08 Aug 2023	Wave Period (sec)	13
I10	08 Aug 2023	Sea State	Calm
I10	08 Aug 2023	High Tide (ft)	5.28
I10	08 Aug 2023	High Tide Time	1542
I10	08 Aug 2023	Low Tide (ft)	0.99
I10	08 Aug 2023	Low Tide Time	2318
I10	08 Aug 2023	Comments	none
I11	08 Aug 2023	Depth (m)	13
I11	08 Aug 2023	Arrive Time	1045
I11	08 Aug 2023	Depart Time	1050
I11	08 Aug 2023	Air Temp (C)	21.9
I11	08 Aug 2023	Weather	Partly Cloudy
I11	08 Aug 2023	Visibility (mi)	12
I11	08 Aug 2023	Wind Speed (kts)	5.6
I11	08 Aug 2023	Wind Dir	SW
I11	08 Aug 2023	Water Color	Green
I11	08 Aug 2023	Wave Ht Low (ft)	2
I11	08 Aug 2023	Wave Period (sec)	13
I11	08 Aug 2023	Sea State	Calm
I11	08 Aug 2023	High Tide (ft)	5.28
I11	08 Aug 2023	High Tide Time	1542
I11	08 Aug 2023	Low Tide (ft)	0.99
I11	08 Aug 2023	Low Tide Time	2318
I11	08 Aug 2023	Comments	none

Station	Date	Parameter	Value
I12	09 Aug 2023	Depth (m)	29
I12	09 Aug 2023	Arrive Time	946
I12	09 Aug 2023	Depart Time	950
I12	09 Aug 2023	Air Temp (C)	20.9
I12	09 Aug 2023	Weather	Partly Cloudy
I12	09 Aug 2023	Visibility (mi)	10
I12	09 Aug 2023	Wind Speed (kts)	2.4
I12	09 Aug 2023	Wind Dir	W
I12	09 Aug 2023	Water Color	Blueish-Green
I12	09 Aug 2023	Wave Ht Low (ft)	3.6
I12	09 Aug 2023	Wave Period (sec)	13
I12	09 Aug 2023	Sea State	Wind Ripples
I12	09 Aug 2023	High Tide (ft)	5.34
I12	09 Aug 2023	High Tide Time	1648
I12	09 Aug 2023	Low Tide (ft)	0.64
I12	09 Aug 2023	Low Tide Time	2354
I12	09 Aug 2023	Comments	none
I13	09 Aug 2023	Depth (m)	38
I13	09 Aug 2023	Arrive Time	1035
I13	09 Aug 2023	Depart Time	1040
I13	09 Aug 2023	Air Temp (C)	21.1
I13	09 Aug 2023	Weather	Partly Cloudy
I13	09 Aug 2023	Visibility (mi)	10
I13	09 Aug 2023	Wind Speed (kts)	3.5
I13	09 Aug 2023	Wind Dir	SW
I13	09 Aug 2023	Water Color	Blueish-Green
I13	09 Aug 2023	Wave Ht Low (ft)	3.6
I13	09 Aug 2023	Wave Period (sec)	13
I13	09 Aug 2023	Sea State	Wind Ripples
I13	09 Aug 2023	High Tide (ft)	5.34
I13	09 Aug 2023	High Tide Time	1648
I13	09 Aug 2023	Low Tide (ft)	0.64
I13	09 Aug 2023	Low Tide Time	2354
I13	09 Aug 2023	Comments	none
I14	09 Aug 2023	Depth (m)	28
I14	09 Aug 2023	Arrive Time	1015
I14	09 Aug 2023	Depart Time	1020
I14	09 Aug 2023	Air Temp (C)	21.3
I14	09 Aug 2023	Weather	Partly Cloudy
I14	09 Aug 2023	Visibility (mi)	10
I14	09 Aug 2023	Wind Speed (kts)	4.7
I14	09 Aug 2023	Wind Dir	SW
I14	09 Aug 2023	Water Color	Blueish-Green
I14	09 Aug 2023	Wave Ht Low (ft)	3.6
I14	09 Aug 2023	Wave Period (sec)	13
I14	09 Aug 2023	Sea State	Wind Ripples
I14	09 Aug 2023	High Tide (ft)	5.34
I14	09 Aug 2023	High Tide Time	1648
I14	09 Aug 2023	Low Tide (ft)	0.64
I14	09 Aug 2023	Low Tide Time	2354
I14	09 Aug 2023	Comments	none
I15	09 Aug 2023	Depth (m)	31
I15	09 Aug 2023	Arrive Time	1024
I15	09 Aug 2023	Depart Time	1029
I15	09 Aug 2023	Air Temp (C)	20.8
I15	09 Aug 2023	Weather	Partly Cloudy
I15	09 Aug 2023	Visibility (mi)	10
I15	09 Aug 2023	Wind Speed (kts)	3.3

Station	Date	Parameter	Value
I15	09 Aug 2023	Wind Dir	S
I15	09 Aug 2023	Water Color	Blueish-Green
I15	09 Aug 2023	Wave Ht Low (ft)	3.6
I15	09 Aug 2023	Wave Period (sec)	13
I15	09 Aug 2023	Sea State	Wind Ripples
I15	09 Aug 2023	High Tide (ft)	5.34
I15	09 Aug 2023	High Tide Time	1648
I15	09 Aug 2023	Low Tide (ft)	0.64
I15	09 Aug 2023	Low Tide Time	2354
I15	09 Aug 2023	Comments	none
I16	09 Aug 2023	Depth (m)	28
I16	09 Aug 2023	Arrive Time	938
I16	09 Aug 2023	Depart Time	943
I16	09 Aug 2023	Air Temp (C)	21.1
I16	09 Aug 2023	Weather	Partly Cloudy
I16	09 Aug 2023	Visibility (mi)	10
I16	09 Aug 2023	Wind Speed (kts)	1
I16	09 Aug 2023	Wind Dir	SW
I16	09 Aug 2023	Water Color	Blueish-Green
I16	09 Aug 2023	Wave Ht Low (ft)	3.6
I16	09 Aug 2023	Wave Period (sec)	13
I16	09 Aug 2023	Sea State	Wind Ripples
I16	09 Aug 2023	High Tide (ft)	5.34
I16	09 Aug 2023	High Tide Time	1648
I16	09 Aug 2023	Low Tide (ft)	0.64
I16	09 Aug 2023	Low Tide Time	2354
I16	09 Aug 2023	Comments	none
I17	09 Aug 2023	Depth (m)	24
I17	09 Aug 2023	Arrive Time	930
I17	09 Aug 2023	Depart Time	935
I17	09 Aug 2023	Air Temp (C)	21.1
I17	09 Aug 2023	Weather	Partly Cloudy
I17	09 Aug 2023	Visibility (mi)	10
I17	09 Aug 2023	Wind Speed (kts)	0.9
I17	09 Aug 2023	Wind Dir	NW
I17	09 Aug 2023	Water Color	Blueish-Green
I17	09 Aug 2023	Wave Ht Low (ft)	3.6
I17	09 Aug 2023	Wave Period (sec)	13
I17	09 Aug 2023	Sea State	Wind Ripples
I17	09 Aug 2023	High Tide (ft)	5.34
I17	09 Aug 2023	High Tide Time	1648
I17	09 Aug 2023	Low Tide (ft)	0.64
I17	09 Aug 2023	Low Tide Time	2354
I17	09 Aug 2023	Comments	none
I18	09 Aug 2023	Depth (m)	20
I18	09 Aug 2023	Arrive Time	921
I18	09 Aug 2023	Depart Time	930
I18	09 Aug 2023	Air Temp (C)	20.9
I18	09 Aug 2023	Weather	Partly Cloudy
I18	09 Aug 2023	Visibility (mi)	10
I18	09 Aug 2023	Wind Speed (kts)	1.4
I18	09 Aug 2023	Wind Dir	SE
I18	09 Aug 2023	Water Color	Blueish-Green
I18	09 Aug 2023	Wave Ht Low (ft)	3.6
I18	09 Aug 2023	Wave Period (sec)	13
I18	09 Aug 2023	Sea State	Wind Ripples
I18	09 Aug 2023	High Tide (ft)	5.34
I18	09 Aug 2023	High Tide Time	1648

Station	Date	Parameter	Value
I18	09 Aug 2023	Low Tide (ft)	0.64
I18	09 Aug 2023	Low Tide Time	2354
I18	09 Aug 2023	Comments	none
I2	08 Aug 2023	Depth (m)	32
I2	08 Aug 2023	Arrive Time	919
I2	08 Aug 2023	Depart Time	926
I2	08 Aug 2023	Air Temp (C)	21.8
I2	08 Aug 2023	Weather	Partly Cloudy
I2	08 Aug 2023	Visibility (mi)	12
I2	08 Aug 2023	Wind Speed (kts)	2.4
I2	08 Aug 2023	Wind Dir	S
I2	08 Aug 2023	Water Color	Blue
I2	08 Aug 2023	Wave Ht Low (ft)	2
I2	08 Aug 2023	Wave Period (sec)	13
I2	08 Aug 2023	Sea State	Calm
I2	08 Aug 2023	High Tide (ft)	5.28
I2	08 Aug 2023	High Tide Time	1542
I2	08 Aug 2023	Low Tide (ft)	0.99
I2	08 Aug 2023	Low Tide Time	2318
I2	08 Aug 2023	Comments	none
I20	09 Aug 2023	Depth (m)	55
I20	09 Aug 2023	Arrive Time	806
I20	09 Aug 2023	Depart Time	814
I20	09 Aug 2023	Air Temp (C)	21
I20	09 Aug 2023	Weather	Overcast
I20	09 Aug 2023	Visibility (mi)	8
I20	09 Aug 2023	Wind Speed (kts)	1.7
I20	09 Aug 2023	Wind Dir	SW
I20	09 Aug 2023	Water Color	Blue
I20	09 Aug 2023	Wave Ht Low (ft)	3.6
I20	09 Aug 2023	Wave Period (sec)	13
I20	09 Aug 2023	Sea State	Wind Ripples
I20	09 Aug 2023	High Tide (ft)	5.34
I20	09 Aug 2023	High Tide Time	1648
I20	09 Aug 2023	Low Tide (ft)	0.64
I20	09 Aug 2023	Low Tide Time	2354
I20	09 Aug 2023	Comments	Bubble appeared in first cast; Stopped cast and restarted; Use 2nd cast
I21	09 Aug 2023	Depth (m)	40
I21	09 Aug 2023	Arrive Time	827
I21	09 Aug 2023	Depart Time	836
I21	09 Aug 2023	Air Temp (C)	21.1
I21	09 Aug 2023	Weather	Overcast
I21	09 Aug 2023	Visibility (mi)	10
I21	09 Aug 2023	Wind Speed (kts)	0
I21	09 Aug 2023	Wind Dir	NE
I21	09 Aug 2023	Water Color	Blue
I21	09 Aug 2023	Wave Ht Low (ft)	3.6
I21	09 Aug 2023	Wave Period (sec)	13
I21	09 Aug 2023	Sea State	Wind Ripples
I21	09 Aug 2023	High Tide (ft)	5.34
I21	09 Aug 2023	High Tide Time	1648
I21	09 Aug 2023	Low Tide (ft)	0.64
I21	09 Aug 2023	Low Tide Time	2354
I21	09 Aug 2023	Comments	OA 1m Btl# 2308094184 Nsk# 6;OA 41m Btl# 2308094185 Nsk# 4
I22	09 Aug 2023	Depth (m)	28

Station	Date	Parameter	Value
I22	09 Aug 2023	Arrive Time	858
I22	09 Aug 2023	Depart Time	906
I22	09 Aug 2023	Air Temp (C)	20.6
I22	09 Aug 2023	Weather	Overcast
I22	09 Aug 2023	Visibility (mi)	10
I22	09 Aug 2023	Wind Speed (kts)	7.3
I22	09 Aug 2023	Wind Dir	NW
I22	09 Aug 2023	Water Color	Blueish-Green
I22	09 Aug 2023	Wave Ht Low (ft)	3.6
I22	09 Aug 2023	Wave Period (sec)	13
I22	09 Aug 2023	Sea State	Wind Ripples
I22	09 Aug 2023	High Tide (ft)	5.34
I22	09 Aug 2023	High Tide Time	1648
I22	09 Aug 2023	Low Tide (ft)	0.64
I22	09 Aug 2023	Low Tide Time	2354
I22	09 Aug 2023	Comments	none
I23	09 Aug 2023	Depth (m)	21
I23	09 Aug 2023	Arrive Time	910
I23	09 Aug 2023	Depart Time	917
I23	09 Aug 2023	Air Temp (C)	21.1
I23	09 Aug 2023	Weather	Overcast
I23	09 Aug 2023	Visibility (mi)	10
I23	09 Aug 2023	Wind Speed (kts)	1.1
I23	09 Aug 2023	Wind Dir	NE
I23	09 Aug 2023	Water Color	Blueish-Green
I23	09 Aug 2023	Wave Ht Low (ft)	3.6
I23	09 Aug 2023	Wave Period (sec)	13
I23	09 Aug 2023	Sea State	Wind Ripples
I23	09 Aug 2023	High Tide (ft)	5.34
I23	09 Aug 2023	High Tide Time	1648
I23	09 Aug 2023	Low Tide (ft)	0.64
I23	09 Aug 2023	Low Tide Time	2354
I23	09 Aug 2023	Comments	none
I27	09 Aug 2023	Depth (m)	28
I27	09 Aug 2023	Arrive Time	842
I27	09 Aug 2023	Depart Time	851
I27	09 Aug 2023	Air Temp (C)	20.8
I27	09 Aug 2023	Weather	Overcast
I27	09 Aug 2023	Visibility (mi)	10
I27	09 Aug 2023	Wind Speed (kts)	2.3
I27	09 Aug 2023	Wind Dir	N
I27	09 Aug 2023	Water Color	Blue
I27	09 Aug 2023	Wave Ht Low (ft)	3.6
I27	09 Aug 2023	Wave Period (sec)	13
I27	09 Aug 2023	Sea State	Wind Ripples
I27	09 Aug 2023	High Tide (ft)	5.34
I27	09 Aug 2023	High Tide Time	1648
I27	09 Aug 2023	Low Tide (ft)	0.64
I27	09 Aug 2023	Low Tide Time	2354
I27	09 Aug 2023	Comments	none
I28	10 Aug 2023	Depth (m)	56
I28	10 Aug 2023	Arrive Time	825
I28	10 Aug 2023	Depart Time	837
I28	10 Aug 2023	Air Temp (C)	20.4
I28	10 Aug 2023	Weather	Overcast
I28	10 Aug 2023	Visibility (mi)	8
I28	10 Aug 2023	Wind Speed (kts)	8
I28	10 Aug 2023	Wind Dir	S

Station	Date	Parameter	Value
I28	10 Aug 2023	Water Color	Green
I28	10 Aug 2023	Wave Ht Low (ft)	3
I28	10 Aug 2023	Wave Period (sec)	12
I28	10 Aug 2023	Sea State	Light Chop
I28	10 Aug 2023	High Tide (ft)	5.45
I28	10 Aug 2023	High Tide Time	1742
I28	10 Aug 2023	Low Tide (ft)	0.51
I28	10 Aug 2023	Low Tide Time	36
I28	10 Aug 2023	Comments	OA 1m Btl# 2308104189 Nsk# 4;OA 55m Btl# 2308104190 Nsk# 2
I29	10 Aug 2023	Depth (m)	37
I29	10 Aug 2023	Arrive Time	844
I29	10 Aug 2023	Depart Time	848
I29	10 Aug 2023	Air Temp (C)	20.6
I29	10 Aug 2023	Weather	Overcast
I29	10 Aug 2023	Visibility (mi)	8
I29	10 Aug 2023	Wind Speed (kts)	8.3
I29	10 Aug 2023	Wind Dir	S
I29	10 Aug 2023	Water Color	Green
I29	10 Aug 2023	Wave Ht Low (ft)	3
I29	10 Aug 2023	Wave Period (sec)	12
I29	10 Aug 2023	Sea State	Light Chop
I29	10 Aug 2023	High Tide (ft)	5.45
I29	10 Aug 2023	High Tide Time	1742
I29	10 Aug 2023	Low Tide (ft)	0.51
I29	10 Aug 2023	Low Tide Time	36
I29	10 Aug 2023	Comments	none
I3	08 Aug 2023	Depth (m)	27
I3	08 Aug 2023	Arrive Time	932
I3	08 Aug 2023	Depart Time	941
I3	08 Aug 2023	Air Temp (C)	21.8
I3	08 Aug 2023	Weather	Partly Cloudy
I3	08 Aug 2023	Visibility (mi)	12
I3	08 Aug 2023	Wind Speed (kts)	2.6
I3	08 Aug 2023	Wind Dir	E
I3	08 Aug 2023	Water Color	Blue
I3	08 Aug 2023	Wave Ht Low (ft)	2
I3	08 Aug 2023	Wave Period (sec)	13
I3	08 Aug 2023	Sea State	Calm
I3	08 Aug 2023	High Tide (ft)	5.28
I3	08 Aug 2023	High Tide Time	1542
I3	08 Aug 2023	Low Tide (ft)	0.99
I3	08 Aug 2023	Low Tide Time	2318
I3	08 Aug 2023	Comments	none
I30	10 Aug 2023	Depth (m)	28
I30	10 Aug 2023	Arrive Time	857
I30	10 Aug 2023	Depart Time	902
I30	10 Aug 2023	Air Temp (C)	20.4
I30	10 Aug 2023	Weather	Overcast
I30	10 Aug 2023	Visibility (mi)	8
I30	10 Aug 2023	Wind Speed (kts)	8.1
I30	10 Aug 2023	Wind Dir	S
I30	10 Aug 2023	Water Color	Green
I30	10 Aug 2023	Wave Ht Low (ft)	3
I30	10 Aug 2023	Wave Period (sec)	12
I30	10 Aug 2023	Sea State	Light Chop
I30	10 Aug 2023	High Tide (ft)	5.45
I30	10 Aug 2023	High Tide Time	1742

Station	Date	Parameter	Value
I30	10 Aug 2023	Low Tide (ft)	0.51
I30	10 Aug 2023	Low Tide Time	36
I30	10 Aug 2023	Comments	none
I31	10 Aug 2023	Depth (m)	
I31	10 Aug 2023	Arrive Time	910
I31	10 Aug 2023	Depart Time	915
I31	10 Aug 2023	Air Temp (C)	20.3
I31	10 Aug 2023	Weather	Overcast
I31	10 Aug 2023	Visibility (mi)	8
I31	10 Aug 2023	Wind Speed (kts)	6.9
I31	10 Aug 2023	Wind Dir	S
I31	10 Aug 2023	Water Color	Green
I31	10 Aug 2023	Wave Ht Low (ft)	3
I31	10 Aug 2023	Wave Period (sec)	12
I31	10 Aug 2023	Sea State	Light Chop
I31	10 Aug 2023	High Tide (ft)	5.45
I31	10 Aug 2023	High Tide Time	1742
I31	10 Aug 2023	Low Tide (ft)	0.51
I31	10 Aug 2023	Low Tide Time	36
I31	10 Aug 2023	Comments	none
I33	10 Aug 2023	Depth (m)	30
I33	10 Aug 2023	Arrive Time	806
I33	10 Aug 2023	Depart Time	811
I33	10 Aug 2023	Air Temp (C)	20.6
I33	10 Aug 2023	Weather	Overcast
I33	10 Aug 2023	Visibility (mi)	8
I33	10 Aug 2023	Wind Speed (kts)	12.3
I33	10 Aug 2023	Wind Dir	S
I33	10 Aug 2023	Water Color	Green
I33	10 Aug 2023	Wave Ht Low (ft)	3
I33	10 Aug 2023	Wave Period (sec)	12
I33	10 Aug 2023	Sea State	Light Chop
I33	10 Aug 2023	High Tide (ft)	5.45
I33	10 Aug 2023	High Tide Time	1742
I33	10 Aug 2023	Low Tide (ft)	0.51
I33	10 Aug 2023	Low Tide Time	36
I33	10 Aug 2023	Comments	none
I34	10 Aug 2023	Depth (m)	20
I34	10 Aug 2023	Arrive Time	754
I34	10 Aug 2023	Depart Time	758
I34	10 Aug 2023	Air Temp (C)	20.2
I34	10 Aug 2023	Weather	Overcast
I34	10 Aug 2023	Visibility (mi)	8
I34	10 Aug 2023	Wind Speed (kts)	11.7
I34	10 Aug 2023	Wind Dir	E
I34	10 Aug 2023	Water Color	Green
I34	10 Aug 2023	Wave Ht Low (ft)	3
I34	10 Aug 2023	Wave Period (sec)	12
I34	10 Aug 2023	Sea State	Light Chop
I34	10 Aug 2023	High Tide (ft)	5.45
I34	10 Aug 2023	High Tide Time	1742
I34	10 Aug 2023	Low Tide (ft)	0.51
I34	10 Aug 2023	Low Tide Time	36
I34	10 Aug 2023	Comments	none
I35	10 Aug 2023	Depth (m)	19
I35	10 Aug 2023	Arrive Time	941
I35	10 Aug 2023	Depart Time	944

Station	Date	Parameter	Value
I35	10 Aug 2023	Air Temp (C)	20.7
I35	10 Aug 2023	Weather	Overcast
I35	10 Aug 2023	Visibility (mi)	8
I35	10 Aug 2023	Wind Speed (kts)	11.1
I35	10 Aug 2023	Wind Dir	S
I35	10 Aug 2023	Water Color	Green
I35	10 Aug 2023	Wave Ht Low (ft)	3
I35	10 Aug 2023	Wave Period (sec)	12
I35	10 Aug 2023	Sea State	Light Chop
I35	10 Aug 2023	High Tide (ft)	5.45
I35	10 Aug 2023	High Tide Time	1742
I35	10 Aug 2023	Low Tide (ft)	0.51
I35	10 Aug 2023	Low Tide Time	36
I35	10 Aug 2023	Comments	none
I36	10 Aug 2023	Depth (m)	12
I36	10 Aug 2023	Arrive Time	928
I36	10 Aug 2023	Depart Time	932
I36	10 Aug 2023	Air Temp (C)	20.6
I36	10 Aug 2023	Weather	Overcast
I36	10 Aug 2023	Visibility (mi)	8
I36	10 Aug 2023	Wind Speed (kts)	8.7
I36	10 Aug 2023	Wind Dir	S
I36	10 Aug 2023	Water Color	Green
I36	10 Aug 2023	Wave Ht Low (ft)	3
I36	10 Aug 2023	Wave Period (sec)	12
I36	10 Aug 2023	Sea State	Light Chop
I36	10 Aug 2023	High Tide (ft)	5.45
I36	10 Aug 2023	High Tide Time	1742
I36	10 Aug 2023	Low Tide (ft)	0.51
I36	10 Aug 2023	Low Tide Time	36
I36	10 Aug 2023	Comments	none
I37	10 Aug 2023	Depth (m)	13
I37	10 Aug 2023	Arrive Time	740
I37	10 Aug 2023	Depart Time	748
I37	10 Aug 2023	Air Temp (C)	20.2
I37	10 Aug 2023	Weather	Overcast
I37	10 Aug 2023	Visibility (mi)	8
I37	10 Aug 2023	Wind Speed (kts)	12.8
I37	10 Aug 2023	Wind Dir	SE
I37	10 Aug 2023	Water Color	Green
I37	10 Aug 2023	Wave Ht Low (ft)	3
I37	10 Aug 2023	Wave Period (sec)	12
I37	10 Aug 2023	Sea State	Light Chop
I37	10 Aug 2023	High Tide (ft)	5.45
I37	10 Aug 2023	High Tide Time	1742
I37	10 Aug 2023	Low Tide (ft)	0.51
I37	10 Aug 2023	Low Tide Time	36
I37	10 Aug 2023	Comments	Salinity and DO data omitted in upper 4m due to bubbles
I38	10 Aug 2023	Depth (m)	11
I38	10 Aug 2023	Arrive Time	956
I38	10 Aug 2023	Depart Time	1000
I38	10 Aug 2023	Air Temp (C)	20.7
I38	10 Aug 2023	Weather	Overcast
I38	10 Aug 2023	Visibility (mi)	8
I38	10 Aug 2023	Wind Speed (kts)	2.9
I38	10 Aug 2023	Wind Dir	SW
I38	10 Aug 2023	Water Color	Green
I38	10 Aug 2023	Wave Ht Low (ft)	3

Station	Date	Parameter	Value
I38	10 Aug 2023	Wave Period (sec)	12
I38	10 Aug 2023	Sea State	Light Chop
I38	10 Aug 2023	High Tide (ft)	5.45
I38	10 Aug 2023	High Tide Time	1742
I38	10 Aug 2023	Low Tide (ft)	0.51
I38	10 Aug 2023	Low Tide Time	36
I38	10 Aug 2023	Comments	none
14	08 Aug 2023	Depth (m)	18
14	08 Aug 2023	Arrive Time	947
14	08 Aug 2023	Depart Time	952
14	08 Aug 2023	Air Temp (C)	22.1
14	08 Aug 2023	Weather	Partly Cloudy
14	08 Aug 2023	Visibility (mi)	12
14	08 Aug 2023	Wind Speed (kts)	5.4
14	08 Aug 2023	Wind Dir	S
14	08 Aug 2023	Water Color	Blue-green
14	08 Aug 2023	Wave Ht Low (ft)	2
14	08 Aug 2023	Wave Period (sec)	13
14	08 Aug 2023	Sea State	Calm
14	08 Aug 2023	High Tide (ft)	5.28
14	08 Aug 2023	High Tide Time	1542
14	08 Aug 2023	Low Tide (ft)	0.99
14	08 Aug 2023	Low Tide Time	2318
14	08 Aug 2023	Comments	none
15	08 Aug 2023	Depth (m)	13
15	08 Aug 2023	Arrive Time	954
15	08 Aug 2023	Depart Time	1001
15	08 Aug 2023	Air Temp (C)	22.2
15	08 Aug 2023	Weather	Partly Cloudy
15	08 Aug 2023	Visibility (mi)	12
15	08 Aug 2023	Wind Speed (kts)	4.8
15	08 Aug 2023	Wind Dir	SW
15	08 Aug 2023	Water Color	Green
15	08 Aug 2023	Wave Ht Low (ft)	2
15	08 Aug 2023	Wave Period (sec)	13
15	08 Aug 2023	Sea State	Calm
15	08 Aug 2023	High Tide (ft)	5.28
15	08 Aug 2023	High Tide Time	1542
15	08 Aug 2023	Low Tide (ft)	0.99
15	08 Aug 2023	Low Tide Time	2318
15	08 Aug 2023	Comments	none
16	08 Aug 2023	Depth (m)	25
16	08 Aug 2023	Arrive Time	1011
16	08 Aug 2023	Depart Time	1021
16	08 Aug 2023	Air Temp (C)	22.1
16	08 Aug 2023	Weather	Partly Cloudy
16	08 Aug 2023	Visibility (mi)	12
16	08 Aug 2023	Wind Speed (kts)	10.1
16	08 Aug 2023	Wind Dir	SW
16	08 Aug 2023	Water Color	Green
16	08 Aug 2023	Wave Ht Low (ft)	2
16	08 Aug 2023	Wave Period (sec)	13
16	08 Aug 2023	Sea State	Calm
16	08 Aug 2023	High Tide (ft)	5.28
16	08 Aug 2023	High Tide Time	1542
16	08 Aug 2023	Low Tide (ft)	0.99
16	08 Aug 2023	Low Tide Time	2318
16	08 Aug 2023	Comments	none

Station	Date	Parameter	Value
17	08 Aug 2023	Depth (m)	51
17	08 Aug 2023	Arrive Time	808
17	08 Aug 2023	Depart Time	825
17	08 Aug 2023	Air Temp (C)	20.7
17	08 Aug 2023	Weather	Partly Cloudy
17	08 Aug 2023	Visibility (mi)	12
17	08 Aug 2023	Wind Speed (kts)	0
17	08 Aug 2023	Wind Dir	SE
17	08 Aug 2023	Water Color	Blue
17	08 Aug 2023	Wave Ht Low (ft)	2
17	08 Aug 2023	Wave Period (sec)	13
17	08 Aug 2023	Sea State	Calm
17	08 Aug 2023	High Tide (ft)	5.28
17	08 Aug 2023	High Tide Time	1542
17	08 Aug 2023	Low Tide (ft)	0.99
17	08 Aug 2023	Low Tide Time	2318
17	08 Aug 2023	Comments	none
18	08 Aug 2023	Depth (m)	36
18	08 Aug 2023	Arrive Time	1132
18	08 Aug 2023	Depart Time	1139
18	08 Aug 2023	Air Temp (C)	21.7
18	08 Aug 2023	Weather	Partly Cloudy
18	08 Aug 2023	Visibility (mi)	12
18	08 Aug 2023	Wind Speed (kts)	6.1
18	08 Aug 2023	Wind Dir	W
18	08 Aug 2023	Water Color	Green
18	08 Aug 2023	Wave Ht Low (ft)	2
18	08 Aug 2023	Wave Period (sec)	13
18	08 Aug 2023	Sea State	Calm
18	08 Aug 2023	High Tide (ft)	5.28
18	08 Aug 2023	High Tide Time	1542
18	08 Aug 2023	Low Tide (ft)	0.99
18	08 Aug 2023	Low Tide Time	2318
18	08 Aug 2023	Comments	none
19	08 Aug 2023	Depth (m)	29
19	08 Aug 2023	Arrive Time	1114
19	08 Aug 2023	Depart Time	1124
19	08 Aug 2023	Air Temp (C)	21.9
19	08 Aug 2023	Weather	Partly Cloudy
19	08 Aug 2023	Visibility (mi)	12
19	08 Aug 2023	Wind Speed (kts)	10.6
19	08 Aug 2023	Wind Dir	S
19	08 Aug 2023	Water Color	Green
19	08 Aug 2023	Wave Ht Low (ft)	2
19	08 Aug 2023	Wave Period (sec)	13
19	08 Aug 2023	Sea State	Calm
19	08 Aug 2023	High Tide (ft)	5.28
19	08 Aug 2023	High Tide Time	1542
19	08 Aug 2023	Low Tide (ft)	0.99
19	08 Aug 2023	Low Tide Time	2318
19	08 Aug 2023	Comments	none

Table 4.6

Summary of CTD profile data from the SBOO offshore stations for each sample date.

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
I1	08 Aug 2023	1	21.76	90.40	7.6	33.44	8.1	23.1	0.24
I1	08 Aug 2023	2	21.71	90.40	7.6	33.44	8.1	23.1	0.25
I1	08 Aug 2023	3	21.71	90.31	7.6	33.44	8.1	23.1	0.26
I1	08 Aug 2023	4	21.70	90.31	7.6	33.44	8.1	23.1	0.27
I1	08 Aug 2023	5	21.69	90.37	7.6	33.44	8.1	23.1	0.27
I1	08 Aug 2023	6	21.67	90.32	7.6	33.44	8.1	23.1	0.28
I1	08 Aug 2023	7	21.65	90.36	7.6	33.44	8.1	23.1	0.30
I1	08 Aug 2023	8	21.58	90.35	7.6	33.43	8.1	23.1	0.31
I1	08 Aug 2023	9	21.39	90.35	7.6	33.42	8.1	23.2	0.33
I1	08 Aug 2023	10	20.39	90.24	7.6	33.37	8.1	23.4	0.32
I1	08 Aug 2023	11	18.91	90.38	8.0	33.37	8.2	23.8	0.30
I1	08 Aug 2023	12	18.21	90.83	8.2	33.37	8.2	24.0	0.30
I1	08 Aug 2023	13	17.93	91.05	8.3	33.35	8.2	24.0	0.30
I1	08 Aug 2023	14	17.62	90.98	8.5	33.34	8.2	24.1	0.32
I1	08 Aug 2023	15	17.44	90.85	8.6	33.34	8.2	24.1	0.34
I1	08 Aug 2023	16	17.34	90.77	8.7	33.34	8.2	24.2	0.36
I1	08 Aug 2023	17	17.28	90.73	8.7	33.34	8.2	24.2	0.39
I1	08 Aug 2023	18	17.16	90.57	8.8	33.34	8.2	24.2	0.40
I1	08 Aug 2023	19	16.97	90.47	8.8	33.34	8.2	24.2	0.46
I1	08 Aug 2023	20	16.59	90.42	8.8	33.33	8.2	24.3	0.50
I1	08 Aug 2023	21	16.21	90.39	9.0	33.32	8.2	24.4	0.49
I1	08 Aug 2023	22	15.81	90.27	9.0	33.29	8.2	24.5	0.51
I1	08 Aug 2023	23	15.38	90.24	9.1	33.27	8.2	24.6	0.51
I1	08 Aug 2023	24	15.19	90.35	9.1	33.26	8.2	24.6	0.53
I1	08 Aug 2023	25	15.08	90.45	9.1	33.25	8.2	24.6	0.56
I1	08 Aug 2023	26	14.91	90.45	9.1	33.24	8.2	24.6	0.64
I1	08 Aug 2023	27	14.68	90.40	9.1	33.24	8.2	24.7	0.72
I1	08 Aug 2023	28	14.55	90.26	9.0	33.23	8.2	24.7	0.85
I1	08 Aug 2023	29	14.36	90.12	9.0	33.23	8.2	24.7	0.99
I1	08 Aug 2023	30	14.13	89.82	8.9	33.23	8.1	24.8	1.12
I1	08 Aug 2023	31	13.95	89.74	8.8	33.23	8.1	24.8	1.25
I1	08 Aug 2023	32	13.71	89.73	8.7	33.23	8.1	24.9	1.40
I1	08 Aug 2023	33	13.58	89.53	8.6	33.24	8.1	24.9	1.53
I1	08 Aug 2023	34	13.35	89.52	8.4	33.24	8.1	25.0	1.57
I1	08 Aug 2023	35	13.18	89.67	8.2	33.24	8.1	25.0	1.57
I1	08 Aug 2023	36	13.14	89.99	8.2	33.24	8.1	25.0	1.54
I1	08 Aug 2023	37	13.10	90.11	8.1	33.25	8.1	25.0	1.48
I1	08 Aug 2023	38	13.05	90.26	8.0	33.26	8.1	25.0	1.47
I1	08 Aug 2023	39	13.04	90.45	8.0	33.26	8.1	25.0	1.46
I1	08 Aug 2023	40	13.01	90.56	7.9	33.26	8.1	25.0	1.37
I1	08 Aug 2023	41	12.98	90.57	7.9	33.26	8.1	25.1	1.37
I1	08 Aug 2023	42	12.96	90.57	7.9	33.27	8.1	25.1	1.33
I1	08 Aug 2023	43	12.94	90.76	7.8	33.27	8.1	25.1	1.33
I1	08 Aug 2023	44	12.92	90.77	7.8	33.27	8.1	25.1	1.30
I1	08 Aug 2023	45	12.90	90.87	7.8	33.27	8.1	25.1	1.32
I1	08 Aug 2023	46	12.88	90.98	7.7	33.27	8.0	25.1	1.31
I1	08 Aug 2023	47	12.83	90.85	7.7	33.27	8.0	25.1	1.26
I1	08 Aug 2023	48	12.79	91.01	7.6	33.27	8.0	25.1	1.21
I1	08 Aug 2023	49	12.68	91.13	7.5	33.27	8.0	25.1	1.18
I1	08 Aug 2023	50	12.66	91.33	7.4	33.27	8.0	25.1	1.14
I1	08 Aug 2023	51	12.45	91.37	7.2	33.28	8.0	25.2	1.09
I1	08 Aug 2023	52	12.34	91.52	7.0	33.31	8.0	25.2	1.06
I1	08 Aug 2023	53	12.34	91.59	6.9	33.34	8.0	25.2	1.08
I1	08 Aug 2023	54	12.29	91.46	6.8	33.35	8.0	25.3	1.08
I1	08 Aug 2023	55	12.23	91.30	6.7	33.36	8.0	25.3	1.06
I1	08 Aug 2023	56	12.19	91.35	6.6	33.38	8.0	25.3	1.03

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I1	08 Aug 2023	57	12.17	91.16	6.5	33.39	8.0	25.3	0.98
I1	08 Aug 2023	58	12.02	91.20	6.3	33.41	8.0	25.4	0.91
I1	08 Aug 2023	59	11.69	91.20	6.0	33.48	7.9	25.5	0.80
I1	08 Aug 2023	60	11.54	91.07	5.7	33.51	7.9	25.5	0.64
I10	08 Aug 2023	1	21.61	86.37	7.9	33.45	8.2	23.2	0.58
I10	08 Aug 2023	2	21.59	86.38	7.9	33.45	8.2	23.2	0.63
I10	08 Aug 2023	3	21.58	86.38	8.0	33.45	8.2	23.2	0.69
I10	08 Aug 2023	4	21.58	86.30	8.0	33.45	8.2	23.2	0.70
I10	08 Aug 2023	5	21.59	86.35	8.0	33.45	8.2	23.2	0.71
I10	08 Aug 2023	6	21.58	86.09	8.0	33.45	8.2	23.2	0.71
I10	08 Aug 2023	7	21.55	86.24	8.0	33.45	8.2	23.2	0.72
I10	08 Aug 2023	8	21.37	86.32	8.0	33.44	8.2	23.2	0.73
I10	08 Aug 2023	9	20.71	86.00	8.2	33.42	8.2	23.4	0.70
I10	08 Aug 2023	10	20.13	85.56	8.2	33.41	8.2	23.5	0.69
I10	08 Aug 2023	11	19.19	86.92	8.3	33.38	8.2	23.7	0.64
I10	08 Aug 2023	12	17.50	87.40	8.5	33.32	8.2	24.1	0.62
I10	08 Aug 2023	13	16.23	87.82	8.7	33.27	8.2	24.4	0.55
I10	08 Aug 2023	14	15.17	88.34	8.9	33.22	8.2	24.6	0.52
I10	08 Aug 2023	15	14.55	89.22	9.2	33.19	8.2	24.7	0.52
I10	08 Aug 2023	16	14.34	89.67	9.2	33.18	8.2	24.7	0.61
I10	08 Aug 2023	17	14.18	89.18	9.2	33.19	8.2	24.8	0.77
I10	08 Aug 2023	18	14.10	88.71	9.1	33.20	8.2	24.8	0.97
I10	08 Aug 2023	19	13.95	86.45	8.8	33.24	8.1	24.8	1.56
I11	08 Aug 2023	1	20.47	83.86	8.5	33.42	8.2	23.4	0.86
I11	08 Aug 2023	2	19.95	84.15	8.6	33.40	8.2	23.6	0.85
I11	08 Aug 2023	3	19.34	84.71	8.6	33.39	8.2	23.7	0.89
I11	08 Aug 2023	4	18.43	85.04	8.7	33.37	8.2	23.9	0.80
I11	08 Aug 2023	5	17.93	86.05	8.8	33.34	8.2	24.0	0.72
I11	08 Aug 2023	6	17.36	86.35	8.8	33.33	8.2	24.1	0.75
I11	08 Aug 2023	7	16.89	85.77	8.8	33.30	8.2	24.2	0.83
I11	08 Aug 2023	8	16.27	84.89	8.7	33.29	8.2	24.4	1.10
I11	08 Aug 2023	9	15.78	81.74	8.8	33.27	8.1	24.5	1.45
I11	08 Aug 2023	10	15.36	82.54	9.0	33.26	8.1	24.5	1.59
I11	08 Aug 2023	11	15.18	83.04	8.8	33.25	8.1	24.6	1.61
I11	08 Aug 2023	12	15.10	82.17	8.7	33.25	8.1	24.6	1.37
I11	08 Aug 2023	13	15.08	82.16	8.8	33.26	8.1	24.6	1.27
I12	09 Aug 2023	1	20.31	84.72	8.6	33.39	8.2	23.5	0.63
I12	09 Aug 2023	2	19.76	84.67	8.4	33.39	8.2	23.6	0.60
I12	09 Aug 2023	3	18.60	85.61	8.6	33.37	8.2	23.9	0.50
I12	09 Aug 2023	4	18.27	86.62	8.7	33.35	8.2	23.9	0.49
I12	09 Aug 2023	5	17.78	87.40	8.6	33.34	8.2	24.1	0.48
I12	09 Aug 2023	6	16.76	87.76	8.8	33.31	8.2	24.3	0.52
I12	09 Aug 2023	7	16.08	87.95	8.9	33.27	8.2	24.4	0.52
I12	09 Aug 2023	8	15.63	87.95	8.9	33.25	8.2	24.5	0.55
I12	09 Aug 2023	9	15.03	88.13	8.7	33.21	8.1	24.6	0.59
I12	09 Aug 2023	10	14.52	88.45	8.4	33.14	8.1	24.6	1.04
I12	09 Aug 2023	11	14.15	87.44	8.2	33.10	8.1	24.7	1.31
I12	09 Aug 2023	12	13.99	86.87	8.2	33.09	8.1	24.7	1.53
I12	09 Aug 2023	13	13.92	86.42	8.1	33.09	8.1	24.7	1.69
I12	09 Aug 2023	14	13.79	86.39	8.0	33.08	8.1	24.7	1.84
I12	09 Aug 2023	15	13.59	86.30	8.0	33.10	8.1	24.8	1.99
I12	09 Aug 2023	16	13.51	86.17	8.0	33.14	8.1	24.9	2.23
I12	09 Aug 2023	17	13.45	86.14	8.1	33.20	8.1	24.9	2.31
I12	09 Aug 2023	18	13.42	86.17	8.1	33.23	8.1	24.9	2.54
I12	09 Aug 2023	19	13.42	86.29	8.2	33.26	8.1	25.0	2.64
I12	09 Aug 2023	20	13.50	86.36	8.3	33.30	8.1	25.0	2.51
I12	09 Aug 2023	21	13.52	86.52	8.4	33.31	8.1	25.0	2.65
I12	09 Aug 2023	22	13.49	86.46	8.3	33.32	8.1	25.0	2.85

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I12	09 Aug 2023	23	13.44	86.39	8.2	33.32	8.1	25.0	2.78
I12	09 Aug 2023	24	13.36	86.34	8.1	33.33	8.1	25.0	2.95
I12	09 Aug 2023	25	13.28	86.44	7.9	33.33	8.1	25.0	2.84
I12	09 Aug 2023	26	13.20	86.80	7.8	33.34	8.0	25.1	2.68
I12	09 Aug 2023	27	13.17	86.85	7.6	33.34	8.0	25.1	2.59
I12	09 Aug 2023	28	13.17	87.12	7.6	33.34	8.0	25.1	2.51
I13	09 Aug 2023	1	21.44	84.24	8.5	33.44	8.2	23.2	0.52
I13	09 Aug 2023	2	21.03	84.32	8.5	33.44	8.2	23.3	0.54
I13	09 Aug 2023	3	20.83	84.71	8.6	33.43	8.2	23.3	0.57
I13	09 Aug 2023	4	20.62	84.90	8.6	33.42	8.2	23.4	0.65
I13	09 Aug 2023	5	20.45	84.66	8.8	33.41	8.2	23.4	0.73
I13	09 Aug 2023	6	20.32	84.44	8.8	33.41	8.2	23.5	0.80
I13	09 Aug 2023	7	20.21	84.25	8.9	33.40	8.2	23.5	0.90
I13	09 Aug 2023	8	20.07	84.01	8.8	33.40	8.2	23.5	1.00
I13	09 Aug 2023	9	19.58	84.01	8.9	33.39	8.2	23.6	1.10
I13	09 Aug 2023	10	19.20	83.90	9.0	33.38	8.2	23.7	1.29
I13	09 Aug 2023	11	18.91	83.60	9.0	33.38	8.2	23.8	1.42
I13	09 Aug 2023	12	18.40	83.83	8.9	33.36	8.2	23.9	1.49
I13	09 Aug 2023	13	17.26	85.48	8.9	33.34	8.2	24.2	1.40
I13	09 Aug 2023	14	16.48	87.35	8.9	33.31	8.2	24.3	1.15
I13	09 Aug 2023	15	15.87	87.64	9.0	33.29	8.2	24.5	1.04
I13	09 Aug 2023	16	15.28	87.96	9.1	33.27	8.2	24.6	1.07
I13	09 Aug 2023	17	15.03	88.23	9.1	33.25	8.2	24.6	1.06
I13	09 Aug 2023	18	14.71	88.86	9.1	33.24	8.2	24.7	1.02
I13	09 Aug 2023	19	14.64	88.98	9.1	33.24	8.2	24.7	1.05
I13	09 Aug 2023	20	14.60	88.76	9.0	33.24	8.2	24.7	1.12
I13	09 Aug 2023	21	14.48	88.54	9.0	33.24	8.2	24.7	1.22
I13	09 Aug 2023	22	14.33	88.38	8.9	33.24	8.1	24.8	1.38
I13	09 Aug 2023	23	14.14	87.94	8.9	33.25	8.1	24.8	1.58
I13	09 Aug 2023	24	13.82	87.27	8.8	33.27	8.1	24.9	1.96
I13	09 Aug 2023	25	13.62	86.55	8.7	33.28	8.1	24.9	2.45
I13	09 Aug 2023	26	13.56	87.12	8.6	33.28	8.1	25.0	2.63
I13	09 Aug 2023	27	13.53	88.19	8.5	33.29	8.1	25.0	2.43
I13	09 Aug 2023	28	13.48	88.89	8.4	33.29	8.1	25.0	2.31
I13	09 Aug 2023	29	13.34	89.39	8.2	33.30	8.1	25.0	2.10
I13	09 Aug 2023	30	13.20	89.93	8.0	33.31	8.1	25.0	1.94
I13	09 Aug 2023	31	13.09	90.33	7.8	33.31	8.1	25.1	1.81
I13	09 Aug 2023	32	12.98	90.61	7.6	33.32	8.0	25.1	1.77
I13	09 Aug 2023	33	12.72	90.64	7.3	33.34	8.0	25.2	1.62
I13	09 Aug 2023	34	12.59	90.76	7.0	33.35	8.0	25.2	1.43
I13	09 Aug 2023	35	12.58	90.68	6.9	33.35	8.0	25.2	1.17
I13	09 Aug 2023	36	12.58	90.68	6.9	33.35	8.0	25.2	1.16
I13	09 Aug 2023	37	12.58	90.64	7.0	33.35	8.0	25.2	1.14
I13	09 Aug 2023	38	12.63	90.60	7.0	33.34	8.0	25.2	1.16
I14	09 Aug 2023	1	20.81	83.91	8.5	33.40	8.2	23.3	0.67
I14	09 Aug 2023	2	20.66	84.03	8.4	33.41	8.2	23.4	0.66
I14	09 Aug 2023	3	19.63	84.51	8.5	33.40	8.2	23.6	0.67
I14	09 Aug 2023	4	18.84	85.21	8.6	33.37	8.2	23.8	0.70
I14	09 Aug 2023	5	18.23	86.00	8.7	33.35	8.2	24.0	0.68
I14	09 Aug 2023	6	17.68	86.63	8.8	33.33	8.2	24.1	0.66
I14	09 Aug 2023	7	17.12	86.96	8.7	33.31	8.2	24.2	0.63
I14	09 Aug 2023	8	15.93	87.26	8.8	33.27	8.2	24.4	0.75
I14	09 Aug 2023	9	15.22	86.53	8.7	33.20	8.2	24.5	0.93
I14	09 Aug 2023	10	14.60	86.37	8.8	33.14	8.1	24.6	1.02
I14	09 Aug 2023	11	14.41	86.08	8.9	33.13	8.1	24.7	1.04
I14	09 Aug 2023	12	14.54	85.95	9.0	33.18	8.1	24.7	1.03
I14	09 Aug 2023	13	14.42	86.70	9.0	33.19	8.1	24.7	0.98
I14	09 Aug 2023	14	14.22	87.78	9.0	33.18	8.1	24.7	1.05
I14	09 Aug 2023	15	14.21	87.68	9.1	33.21	8.1	24.8	1.10

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
I14	09 Aug 2023	16	14.07	88.05	9.1	33.22	8.1	24.8	1.05
I14	09 Aug 2023	17	13.97	88.77	8.9	33.25	8.1	24.8	1.08
I14	09 Aug 2023	18	13.82	89.07	8.7	33.29	8.1	24.9	1.48
I14	09 Aug 2023	19	13.62	88.22	8.5	33.31	8.1	25.0	2.07
I14	09 Aug 2023	20	13.51	86.48	8.4	33.32	8.1	25.0	2.80
I14	09 Aug 2023	21	13.47	85.66	8.3	33.33	8.1	25.0	3.27
I14	09 Aug 2023	22	13.41	85.63	8.2	33.33	8.1	25.0	2.99
I14	09 Aug 2023	23	13.31	86.25	8.0	33.34	8.1	25.0	2.86
I14	09 Aug 2023	24	13.29	86.60	7.9	33.34	8.1	25.1	3.01
I14	09 Aug 2023	25	13.29	86.68	7.8	33.34	8.1	25.1	2.72
I14	09 Aug 2023	26	13.28	86.43	7.8	33.34	8.1	25.1	2.85
I14	09 Aug 2023	27	13.28	86.14	7.8	33.34	8.1	25.1	2.97
I14	09 Aug 2023	28	13.29	86.01	7.8	33.34	8.0	25.1	2.87
I15	09 Aug 2023	1	20.34	82.94	8.6	33.40	8.2	23.5	0.76
I15	09 Aug 2023	2	20.35	82.88	8.6	33.40	8.2	23.5	0.74
I15	09 Aug 2023	3	20.32	83.08	8.7	33.40	8.2	23.5	0.75
I15	09 Aug 2023	4	20.36	83.26	8.6	33.40	8.2	23.4	0.81
I15	09 Aug 2023	5	20.22	83.48	8.6	33.40	8.2	23.5	0.87
I15	09 Aug 2023	6	19.99	83.61	8.6	33.40	8.2	23.5	0.93
I15	09 Aug 2023	7	19.47	83.85	8.5	33.39	8.2	23.7	0.92
I15	09 Aug 2023	8	18.38	84.42	8.6	33.37	8.2	23.9	0.82
I15	09 Aug 2023	9	17.70	85.80	8.7	33.35	8.2	24.1	0.76
I15	09 Aug 2023	10	17.04	86.67	8.7	33.31	8.2	24.2	0.73
I15	09 Aug 2023	11	15.81	87.00	8.8	33.24	8.2	24.4	0.94
I15	09 Aug 2023	12	15.42	86.20	8.8	33.19	8.2	24.5	1.04
I15	09 Aug 2023	13	15.31	86.25	8.9	33.19	8.1	24.5	0.98
I15	09 Aug 2023	14	15.22	86.33	9.0	33.22	8.2	24.6	0.97
I15	09 Aug 2023	15	14.90	86.90	9.0	33.19	8.2	24.6	1.03
I15	09 Aug 2023	16	14.69	87.09	8.9	33.17	8.1	24.6	1.09
I15	09 Aug 2023	17	14.49	86.99	8.9	33.14	8.1	24.6	1.22
I15	09 Aug 2023	18	14.53	86.44	9.0	33.17	8.1	24.7	1.23
I15	09 Aug 2023	19	14.58	86.72	9.0	33.20	8.1	24.7	1.12
I15	09 Aug 2023	20	14.32	88.11	9.1	33.22	8.2	24.7	1.07
I15	09 Aug 2023	21	14.15	88.67	9.0	33.22	8.2	24.8	1.12
I15	09 Aug 2023	22	13.97	88.96	8.9	33.24	8.1	24.8	1.19
I15	09 Aug 2023	23	13.68	88.40	8.6	33.30	8.1	24.9	1.82
I15	09 Aug 2023	24	13.52	86.64	8.5	33.32	8.1	25.0	2.33
I15	09 Aug 2023	25	13.36	87.20	8.2	33.32	8.1	25.0	2.64
I15	09 Aug 2023	26	13.09	88.35	7.8	33.32	8.1	25.1	2.15
I15	09 Aug 2023	27	12.92	89.14	7.5	33.34	8.0	25.1	2.17
I15	09 Aug 2023	28	12.87	88.80	7.2	33.34	8.0	25.1	2.12
I15	09 Aug 2023	29	12.85	88.47	7.2	33.34	8.0	25.1	2.09
I15	09 Aug 2023	30	12.84	88.30	7.2	33.34	8.0	25.1	1.91
I15	09 Aug 2023	31	12.82	88.44	7.1	33.34	8.0	25.1	1.78
I16	09 Aug 2023	1	20.31	82.21	8.6	33.40	8.2	23.5	0.64
I16	09 Aug 2023	2	19.39	82.40	8.6	33.39	8.2	23.7	0.63
I16	09 Aug 2023	3	18.33	83.21	8.7	33.36	8.2	23.9	0.55
I16	09 Aug 2023	4	17.94	84.67	8.7	33.35	8.2	24.0	0.53
I16	09 Aug 2023	5	17.27	85.38	8.8	33.33	8.2	24.2	0.49
I16	09 Aug 2023	6	16.34	85.84	8.8	33.29	8.2	24.4	0.50
I16	09 Aug 2023	7	15.72	85.79	9.0	33.26	8.2	24.5	0.67
I16	09 Aug 2023	8	15.39	85.68	8.8	33.23	8.2	24.5	0.66
I16	09 Aug 2023	9	14.66	86.50	8.8	33.15	8.1	24.6	0.84
I16	09 Aug 2023	10	14.52	86.12	8.6	33.13	8.1	24.6	1.00
I16	09 Aug 2023	11	14.18	85.01	8.7	33.09	8.1	24.7	1.26
I16	09 Aug 2023	12	14.30	83.77	8.9	33.14	8.1	24.7	1.31
I16	09 Aug 2023	13	14.30	84.08	8.8	33.17	8.1	24.7	1.29
I16	09 Aug 2023	14	13.93	85.25	8.6	33.15	8.1	24.8	1.59
I16	09 Aug 2023	15	13.83	85.24	8.5	33.15	8.1	24.8	1.87

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I16	09 Aug 2023	16	13.80	84.35	8.5	33.17	8.1	24.8	2.18
I16	09 Aug 2023	17	13.85	84.29	8.6	33.21	8.1	24.8	2.09
I16	09 Aug 2023	18	13.71	84.51	8.5	33.27	8.1	24.9	2.13
I16	09 Aug 2023	19	13.66	84.71	8.5	33.29	8.1	24.9	2.50
I16	09 Aug 2023	20	13.65	84.66	8.4	33.31	8.1	25.0	2.47
I16	09 Aug 2023	21	13.51	84.66	8.4	33.33	8.1	25.0	2.69
I16	09 Aug 2023	22	13.42	84.73	8.2	33.33	8.1	25.0	2.80
I16	09 Aug 2023	23	13.34	84.87	8.0	33.34	8.1	25.0	2.80
I16	09 Aug 2023	24	13.31	85.22	7.9	33.34	8.1	25.0	2.69
I16	09 Aug 2023	25	13.30	85.36	7.9	33.34	8.1	25.0	2.79
I16	09 Aug 2023	26	13.29	85.23	7.8	33.34	8.0	25.1	2.70
I16	09 Aug 2023	27	13.28	85.11	7.8	33.34	8.0	25.1	2.86
I16	09 Aug 2023	28	13.29	85.05	7.8	33.34	8.0	25.1	2.60
I17	09 Aug 2023	1	20.52	84.26	8.4	33.41	8.2	23.4	0.68
I17	09 Aug 2023	2	20.46	84.59	8.3	33.41	8.2	23.4	0.67
I17	09 Aug 2023	3	19.10	84.47	8.5	33.39	8.2	23.8	0.68
I17	09 Aug 2023	4	18.64	84.72	8.6	33.37	8.2	23.9	0.65
I17	09 Aug 2023	5	18.40	86.34	8.7	33.36	8.2	23.9	0.64
I17	09 Aug 2023	6	18.29	86.89	8.8	33.36	8.2	23.9	0.66
I17	09 Aug 2023	7	18.14	86.83	8.7	33.35	8.2	24.0	0.69
I17	09 Aug 2023	8	17.30	87.15	8.7	33.33	8.2	24.2	0.66
I17	09 Aug 2023	9	16.59	87.47	8.8	33.31	8.2	24.3	0.70
I17	09 Aug 2023	10	15.76	87.29	8.9	33.25	8.2	24.5	0.84
I17	09 Aug 2023	11	15.33	85.91	9.0	33.25	8.2	24.5	1.04
I17	09 Aug 2023	12	15.06	85.52	9.0	33.23	8.2	24.6	0.85
I17	09 Aug 2023	13	14.62	87.19	8.8	33.16	8.2	24.6	0.90
I17	09 Aug 2023	14	14.23	87.62	8.7	33.10	8.1	24.7	1.29
I17	09 Aug 2023	15	14.04	86.46	8.7	33.11	8.1	24.7	1.58
I17	09 Aug 2023	16	14.13	85.43	8.8	33.16	8.1	24.7	1.57
I17	09 Aug 2023	17	14.11	85.48	8.9	33.20	8.1	24.8	1.41
I17	09 Aug 2023	18	14.10	86.65	9.0	33.22	8.1	24.8	1.38
I17	09 Aug 2023	19	14.03	87.94	8.9	33.26	8.1	24.8	1.38
I17	09 Aug 2023	20	13.83	88.63	8.6	33.30	8.1	24.9	1.87
I17	09 Aug 2023	21	13.71	87.52	8.4	33.31	8.1	24.9	2.57
I17	09 Aug 2023	22	13.57	85.79	8.2	33.32	8.1	25.0	2.63
I17	09 Aug 2023	23	13.50	84.81	8.1	33.32	8.1	25.0	2.40
I17	09 Aug 2023	24	13.48	85.04	8.0	33.33	8.1	25.0	2.37
I17	09 Aug 2023	25	13.50	85.01	8.0	33.33	8.1	25.0	2.25
I18	09 Aug 2023	1	21.09	84.21	8.2	33.42	8.2	23.3	0.56
I18	09 Aug 2023	2	20.77	84.63	8.2	33.43	8.2	23.4	0.55
I18	09 Aug 2023	3	19.97	85.58	8.3	33.42	8.2	23.6	0.53
I18	09 Aug 2023	4	19.47	86.28	8.4	33.40	8.2	23.7	0.56
I18	09 Aug 2023	5	19.11	86.61	8.5	33.38	8.2	23.8	0.58
I18	09 Aug 2023	6	18.61	87.06	8.5	33.37	8.2	23.9	0.55
I18	09 Aug 2023	7	17.63	87.41	8.6	33.35	8.2	24.1	0.55
I18	09 Aug 2023	8	16.64	87.58	8.8	33.31	8.2	24.3	0.54
I18	09 Aug 2023	9	16.11	87.84	8.9	33.29	8.2	24.4	0.52
I18	09 Aug 2023	10	15.61	87.95	9.0	33.28	8.2	24.5	0.55
I18	09 Aug 2023	11	15.26	87.96	9.0	33.26	8.2	24.6	0.60
I18	09 Aug 2023	12	15.04	88.05	9.0	33.24	8.2	24.6	0.71
I18	09 Aug 2023	13	14.80	87.90	9.1	33.23	8.2	24.7	0.74
I18	09 Aug 2023	14	14.51	87.80	9.1	33.22	8.2	24.7	0.82
I18	09 Aug 2023	15	14.32	88.17	9.0	33.22	8.2	24.7	0.95
I18	09 Aug 2023	16	14.23	88.10	9.0	33.23	8.1	24.8	1.12
I18	09 Aug 2023	17	14.12	87.62	9.0	33.24	8.1	24.8	1.22
I18	09 Aug 2023	18	14.05	87.25	8.8	33.25	8.1	24.8	1.36
I18	09 Aug 2023	19	13.90	87.09	8.5	33.28	8.1	24.9	1.90
I2	08 Aug 2023	1	21.98	89.04	7.7	33.45	8.1	23.0	0.31

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I2	08 Aug 2023	2	21.93	89.05	7.7	33.45	8.1	23.1	0.31
I2	08 Aug 2023	3	21.89	88.87	7.7	33.44	8.1	23.1	0.32
I2	08 Aug 2023	4	21.75	89.04	7.7	33.44	8.1	23.1	0.36
I2	08 Aug 2023	5	21.41	89.08	7.8	33.43	8.1	23.2	0.38
I2	08 Aug 2023	6	20.98	89.12	7.8	33.40	8.2	23.3	0.41
I2	08 Aug 2023	7	20.39	88.86	8.0	33.41	8.2	23.4	0.43
I2	08 Aug 2023	8	20.18	88.98	8.1	33.40	8.2	23.5	0.44
I2	08 Aug 2023	9	19.86	88.99	8.2	33.39	8.2	23.6	0.46
I2	08 Aug 2023	10	19.55	88.96	8.3	33.38	8.2	23.6	0.47
I2	08 Aug 2023	11	19.06	88.98	8.4	33.37	8.2	23.8	0.47
I2	08 Aug 2023	12	18.50	88.87	8.4	33.36	8.2	23.9	0.49
I2	08 Aug 2023	13	17.87	88.83	8.5	33.33	8.2	24.0	0.47
I2	08 Aug 2023	14	16.51	89.00	8.8	33.29	8.2	24.3	0.47
I2	08 Aug 2023	15	15.94	89.22	8.9	33.26	8.2	24.4	0.45
I2	08 Aug 2023	16	15.51	89.57	9.0	33.23	8.2	24.5	0.44
I2	08 Aug 2023	17	15.26	90.03	9.1	33.23	8.2	24.6	0.42
I2	08 Aug 2023	18	15.19	90.40	9.1	33.23	8.2	24.6	0.43
I2	08 Aug 2023	19	15.13	90.57	9.1	33.23	8.2	24.6	0.44
I2	08 Aug 2023	20	15.04	90.54	9.1	33.23	8.2	24.6	0.45
I2	08 Aug 2023	21	14.93	90.64	9.1	33.23	8.2	24.6	0.49
I2	08 Aug 2023	22	14.55	90.69	9.1	33.22	8.2	24.7	0.52
I2	08 Aug 2023	23	14.31	90.76	9.1	33.23	8.2	24.8	0.59
I2	08 Aug 2023	24	14.18	90.65	9.0	33.23	8.2	24.8	0.75
I2	08 Aug 2023	25	13.93	89.75	8.9	33.26	8.1	24.9	1.07
I2	08 Aug 2023	26	13.90	89.33	8.8	33.26	8.1	24.9	1.28
I2	08 Aug 2023	27	13.74	89.41	8.7	33.28	8.1	24.9	1.51
I2	08 Aug 2023	28	13.65	89.26	8.6	33.31	8.1	25.0	1.81
I2	08 Aug 2023	29	13.43	88.31	8.2	33.32	8.1	25.0	2.16
I2	08 Aug 2023	30	13.14	87.96	7.8	33.34	8.1	25.1	2.44
I2	08 Aug 2023	31	13.12	86.92	7.7	33.33	8.1	25.1	2.49
I2	08 Aug 2023	32	13.12	87.18	7.7	33.33	8.1	25.1	2.40
I20	09 Aug 2023	1	21.84	87.03	8.0	33.47	8.2	23.1	0.59
I20	09 Aug 2023	2	21.66	87.06	8.1	33.45	8.2	23.1	0.60
I20	09 Aug 2023	3	21.35	87.01	8.1	33.44	8.2	23.2	0.68
I20	09 Aug 2023	4	21.12	86.72	8.2	33.43	8.2	23.3	0.92
I20	09 Aug 2023	5	21.05	86.62	8.3	33.43	8.2	23.3	1.21
I20	09 Aug 2023	6	20.97	86.10	8.4	33.42	8.2	23.3	1.29
I20	09 Aug 2023	7	20.76	85.50	8.5	33.42	8.2	23.4	1.37
I20	09 Aug 2023	8	20.49	85.37	8.5	33.41	8.2	23.4	1.31
I20	09 Aug 2023	9	19.24	85.32	8.6	33.38	8.2	23.7	1.27
I20	09 Aug 2023	10	18.12	85.00	8.8	33.36	8.2	24.0	1.32
I20	09 Aug 2023	11	17.86	84.86	8.9	33.34	8.2	24.0	1.44
I20	09 Aug 2023	12	17.05	84.71	8.9	33.32	8.2	24.2	1.48
I20	09 Aug 2023	13	16.34	85.14	8.9	33.30	8.2	24.4	1.53
I20	09 Aug 2023	14	15.58	85.29	8.9	33.30	8.2	24.5	1.86
I20	09 Aug 2023	15	15.46	84.91	8.8	33.30	8.2	24.6	2.18
I20	09 Aug 2023	16	15.23	84.81	8.8	33.28	8.1	24.6	2.34
I20	09 Aug 2023	17	14.74	84.76	8.8	33.27	8.1	24.7	2.64
I20	09 Aug 2023	18	14.67	84.92	8.8	33.26	8.1	24.7	2.79
I20	09 Aug 2023	19	14.27	85.04	8.7	33.25	8.1	24.8	3.00
I20	09 Aug 2023	20	14.03	86.11	8.6	33.25	8.1	24.8	2.74
I20	09 Aug 2023	21	13.82	87.05	8.6	33.24	8.1	24.9	2.47
I20	09 Aug 2023	22	13.73	88.10	8.6	33.24	8.1	24.9	2.21
I20	09 Aug 2023	23	13.71	88.56	8.6	33.24	8.1	24.9	2.03
I20	09 Aug 2023	24	13.70	88.50	8.5	33.24	8.1	24.9	2.00
I20	09 Aug 2023	25	13.68	88.72	8.5	33.24	8.1	24.9	1.89
I20	09 Aug 2023	26	13.67	88.94	8.5	33.24	8.1	24.9	1.87
I20	09 Aug 2023	27	13.62	89.05	8.4	33.24	8.1	24.9	1.77
I20	09 Aug 2023	28	13.59	89.29	8.3	33.24	8.1	24.9	1.91
I20	09 Aug 2023	29	13.53	89.53	8.2	33.25	8.1	24.9	1.68

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I20	09 Aug 2023	30	13.34	90.03	8.1	33.25	8.1	25.0	1.47
I20	09 Aug 2023	31	13.10	90.72	7.9	33.27	8.1	25.0	1.26
I20	09 Aug 2023	32	12.85	91.04	7.7	33.29	8.1	25.1	1.20
I20	09 Aug 2023	33	12.75	91.31	7.6	33.29	8.0	25.1	1.14
I20	09 Aug 2023	34	12.63	91.57	7.5	33.29	8.0	25.1	1.09
I20	09 Aug 2023	35	12.56	91.58	7.4	33.29	8.0	25.2	1.08
I20	09 Aug 2023	36	12.47	91.83	7.3	33.29	8.0	25.2	1.02
I20	09 Aug 2023	37	12.30	91.94	7.1	33.30	8.0	25.2	0.94
I20	09 Aug 2023	38	12.25	92.08	7.0	33.31	8.0	25.2	0.90
I20	09 Aug 2023	39	12.21	92.10	6.9	33.32	8.0	25.2	0.88
I20	09 Aug 2023	40	12.18	92.08	6.8	33.34	8.0	25.3	0.84
I20	09 Aug 2023	41	12.19	91.89	6.7	33.35	8.0	25.3	0.85
I20	09 Aug 2023	42	12.19	91.74	6.7	33.36	8.0	25.3	0.86
I20	09 Aug 2023	43	12.13	91.65	6.6	33.36	8.0	25.3	0.84
I20	09 Aug 2023	44	12.02	91.66	6.5	33.37	8.0	25.3	0.87
I20	09 Aug 2023	45	11.95	91.69	6.4	33.39	7.9	25.3	0.80
I20	09 Aug 2023	46	11.95	91.56	6.3	33.40	7.9	25.4	0.78
I20	09 Aug 2023	47	11.95	90.95	6.2	33.41	7.9	25.4	0.77
I20	09 Aug 2023	48	11.89	90.64	6.1	33.42	7.9	25.4	0.77
I20	09 Aug 2023	49	11.78	90.74	6.0	33.43	7.9	25.4	0.75
I20	09 Aug 2023	50	11.72	91.34	6.0	33.45	7.9	25.4	0.73
I20	09 Aug 2023	51	11.71	91.36	5.9	33.45	7.9	25.4	0.68
I20	09 Aug 2023	52	11.68	91.28	5.8	33.47	7.9	25.5	0.67
I20	09 Aug 2023	53	11.59	91.12	5.7	33.48	7.9	25.5	0.63
I20	09 Aug 2023	54	11.51	90.88	5.6	33.49	7.9	25.5	0.59
I20	09 Aug 2023	55	11.49	90.50	5.5	33.49	7.9	25.5	0.55
I21	09 Aug 2023	1	20.41	84.02	8.8	33.41	8.2	23.4	1.03
I21	09 Aug 2023	2	20.42	84.18	8.8	33.41	8.2	23.4	1.05
I21	09 Aug 2023	3	20.19	84.16	8.8	33.41	8.2	23.5	1.10
I21	09 Aug 2023	4	19.89	84.05	8.8	33.41	8.2	23.6	1.14
I21	09 Aug 2023	5	19.84	83.81	8.8	33.40	8.2	23.6	1.26
I21	09 Aug 2023	6	19.62	83.71	8.8	33.41	8.2	23.6	1.34
I21	09 Aug 2023	7	19.41	83.67	8.9	33.41	8.2	23.7	1.46
I21	09 Aug 2023	8	18.91	83.29	8.8	33.40	8.2	23.8	1.68
I21	09 Aug 2023	9	17.81	82.94	8.8	33.39	8.2	24.1	1.87
I21	09 Aug 2023	10	17.27	83.75	8.8	33.37	8.2	24.2	1.98
I21	09 Aug 2023	11	16.87	84.44	8.8	33.35	8.2	24.3	1.84
I21	09 Aug 2023	12	16.36	85.05	8.9	33.34	8.2	24.4	1.78
I21	09 Aug 2023	13	15.89	85.72	8.9	33.33	8.2	24.5	1.72
I21	09 Aug 2023	14	15.39	85.96	8.9	33.30	8.2	24.6	1.75
I21	09 Aug 2023	15	15.24	86.09	8.9	33.29	8.1	24.6	1.78
I21	09 Aug 2023	16	14.97	86.61	8.9	33.28	8.1	24.7	1.70
I21	09 Aug 2023	17	14.71	87.12	8.9	33.26	8.1	24.7	1.62
I21	09 Aug 2023	18	14.59	87.53	8.9	33.26	8.1	24.7	1.59
I21	09 Aug 2023	19	14.46	87.69	8.8	33.26	8.1	24.7	1.52
I21	09 Aug 2023	20	14.14	87.78	8.7	33.27	8.1	24.8	1.64
I21	09 Aug 2023	21	13.63	87.32	8.5	33.29	8.1	24.9	2.05
I21	09 Aug 2023	22	13.55	87.92	8.4	33.30	8.1	25.0	2.33
I21	09 Aug 2023	23	13.52	88.27	8.3	33.30	8.1	25.0	2.47
I21	09 Aug 2023	24	13.50	88.55	8.3	33.32	8.1	25.0	2.53
I21	09 Aug 2023	25	13.48	88.74	8.2	33.33	8.1	25.0	2.51
I21	09 Aug 2023	26	13.39	88.72	8.1	33.34	8.1	25.0	2.63
I21	09 Aug 2023	27	13.27	88.77	7.9	33.35	8.1	25.1	2.60
I21	09 Aug 2023	28	13.18	89.10	7.8	33.34	8.1	25.1	2.52
I21	09 Aug 2023	29	13.07	89.51	7.7	33.34	8.1	25.1	2.55
I21	09 Aug 2023	30	13.03	89.93	7.6	33.34	8.0	25.1	2.06
I21	09 Aug 2023	31	12.92	89.98	7.5	33.35	8.0	25.1	1.94
I21	09 Aug 2023	32	12.81	90.14	7.3	33.36	8.0	25.2	1.77
I21	09 Aug 2023	33	12.76	90.08	7.2	33.36	8.0	25.2	1.89
I21	09 Aug 2023	34	12.68	89.89	7.0	33.37	8.0	25.2	1.57

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I21	09 Aug 2023	35	12.60	89.96	6.8	33.37	8.0	25.2	1.75
I21	09 Aug 2023	36	12.57	90.14	6.8	33.37	8.0	25.2	1.47
I21	09 Aug 2023	37	12.57	90.29	6.7	33.37	8.0	25.2	1.33
I21	09 Aug 2023	38	12.56	90.40	6.7	33.37	8.0	25.2	1.20
I21	09 Aug 2023	39	12.56	90.36	6.7	33.37	8.0	25.2	1.19
I21	09 Aug 2023	40	12.55	90.46	6.6	33.37	8.0	25.2	1.19
I21	09 Aug 2023	41	12.59	90.43	6.7	33.36	8.0	25.2	1.15
I22	09 Aug 2023	1	19.78	83.21	8.6	33.38	8.2	23.6	0.93
I22	09 Aug 2023	2	18.17	84.75	8.8	33.37	8.2	24.0	0.88
I22	09 Aug 2023	3	17.87	85.10	8.7	33.35	8.2	24.0	0.81
I22	09 Aug 2023	4	17.15	85.58	8.8	33.34	8.2	24.2	0.83
I22	09 Aug 2023	5	17.02	86.09	8.9	33.32	8.2	24.2	0.83
I22	09 Aug 2023	6	16.70	86.04	8.9	33.31	8.2	24.3	0.89
I22	09 Aug 2023	7	15.95	85.59	8.9	33.29	8.2	24.4	1.00
I22	09 Aug 2023	8	15.40	85.28	8.9	33.27	8.2	24.5	1.13
I22	09 Aug 2023	9	15.06	85.53	8.9	33.23	8.1	24.6	1.30
I22	09 Aug 2023	10	14.92	86.47	9.0	33.22	8.1	24.6	1.42
I22	09 Aug 2023	11	14.82	87.39	9.0	33.22	8.1	24.6	1.25
I22	09 Aug 2023	12	14.51	87.87	8.9	33.18	8.1	24.7	1.25
I22	09 Aug 2023	13	14.47	87.25	8.9	33.22	8.1	24.7	1.42
I22	09 Aug 2023	14	14.31	87.66	9.0	33.22	8.1	24.7	1.29
I22	09 Aug 2023	15	14.21	88.68	9.0	33.24	8.1	24.8	1.20
I22	09 Aug 2023	16	14.00	89.17	9.0	33.24	8.1	24.8	1.06
I22	09 Aug 2023	17	13.96	89.78	8.9	33.25	8.1	24.8	1.00
I22	09 Aug 2023	18	13.93	89.82	8.8	33.27	8.1	24.9	1.08
I22	09 Aug 2023	19	13.78	89.31	8.6	33.32	8.1	24.9	1.46
I22	09 Aug 2023	20	13.70	88.01	8.4	33.32	8.1	25.0	1.93
I22	09 Aug 2023	21	13.64	87.00	8.4	33.33	8.1	25.0	2.35
I22	09 Aug 2023	22	13.60	86.47	8.4	33.33	8.1	25.0	2.54
I22	09 Aug 2023	23	13.49	86.12	8.2	33.34	8.1	25.0	2.81
I22	09 Aug 2023	24	13.45	85.54	8.0	33.34	8.1	25.0	2.93
I22	09 Aug 2023	25	13.44	85.32	7.9	33.34	8.1	25.0	2.79
I22	09 Aug 2023	26	13.43	85.14	7.8	33.34	8.0	25.0	2.43
I22	09 Aug 2023	27	13.44	85.16	7.8	33.34	8.0	25.0	2.59
I22	09 Aug 2023	28	13.44	85.06	7.8	33.34	8.0	25.0	2.55
I23	09 Aug 2023	1	20.85	84.17	8.3	33.42	8.2	23.3	0.58
I23	09 Aug 2023	2	20.52	84.43	8.3	33.42	8.2	23.4	0.60
I23	09 Aug 2023	3	19.55	84.98	8.5	33.41	8.2	23.7	0.62
I23	09 Aug 2023	4	19.03	85.52	8.6	33.39	8.2	23.8	0.65
I23	09 Aug 2023	5	18.75	85.73	8.6	33.37	8.2	23.8	0.70
I23	09 Aug 2023	6	18.45	85.72	8.7	33.37	8.2	23.9	0.78
I23	09 Aug 2023	7	17.83	85.82	8.8	33.35	8.2	24.1	0.77
I23	09 Aug 2023	8	17.22	86.21	8.8	33.33	8.2	24.2	0.81
I23	09 Aug 2023	9	16.77	85.89	8.8	33.32	8.2	24.3	0.96
I23	09 Aug 2023	10	15.86	84.78	8.8	33.29	8.2	24.5	1.10
I23	09 Aug 2023	11	15.46	83.38	8.9	33.27	8.2	24.5	1.29
I23	09 Aug 2023	12	15.15	82.82	9.0	33.26	8.2	24.6	1.46
I23	09 Aug 2023	13	14.69	83.23	9.0	33.25	8.2	24.7	1.87
I23	09 Aug 2023	14	14.47	82.58	9.1	33.24	8.2	24.7	2.37
I23	09 Aug 2023	15	14.37	81.77	9.1	33.24	8.2	24.7	2.52
I23	09 Aug 2023	16	14.27	82.12	9.1	33.24	8.1	24.8	2.41
I23	09 Aug 2023	17	14.20	83.53	9.0	33.24	8.1	24.8	2.42
I23	09 Aug 2023	18	14.12	84.14	8.9	33.26	8.1	24.8	2.44
I23	09 Aug 2023	19	14.05	84.23	8.8	33.26	8.1	24.8	2.50
I23	09 Aug 2023	20	14.01	84.24	8.6	33.27	8.1	24.8	2.69
I23	09 Aug 2023	21	13.96	83.09	7.8	33.28	8.1	24.9	1.26
I27	09 Aug 2023	1	19.10	84.02	8.8	33.36	8.2	23.7	1.06
I27	09 Aug 2023	2	18.49	84.09	8.8	33.40	8.2	23.9	1.13

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I27	09 Aug 2023	3	17.78	84.27	8.9	33.38	8.2	24.1	1.17
I27	09 Aug 2023	4	17.40	84.38	8.9	33.36	8.2	24.2	1.30
I27	09 Aug 2023	5	17.04	84.88	8.9	33.34	8.2	24.2	1.33
I27	09 Aug 2023	6	16.87	85.46	8.9	33.33	8.2	24.3	1.23
I27	09 Aug 2023	7	16.68	86.01	8.9	33.33	8.2	24.3	1.26
I27	09 Aug 2023	8	16.39	86.37	8.9	33.31	8.2	24.4	1.22
I27	09 Aug 2023	9	15.94	86.44	8.8	33.31	8.2	24.5	1.25
I27	09 Aug 2023	10	15.32	86.40	8.9	33.28	8.1	24.6	1.31
I27	09 Aug 2023	11	15.21	86.47	8.9	33.27	8.1	24.6	1.44
I27	09 Aug 2023	12	15.04	87.03	8.9	33.24	8.1	24.6	1.51
I27	09 Aug 2023	13	14.81	86.94	8.9	33.21	8.1	24.6	1.63
I27	09 Aug 2023	14	14.61	86.53	8.9	33.24	8.1	24.7	1.78
I27	09 Aug 2023	15	14.26	86.89	8.9	33.24	8.1	24.8	1.69
I27	09 Aug 2023	16	14.15	87.34	9.0	33.24	8.1	24.8	1.63
I27	09 Aug 2023	17	14.04	88.07	9.0	33.24	8.1	24.8	1.52
I27	09 Aug 2023	18	14.02	88.38	9.0	33.24	8.1	24.8	1.57
I27	09 Aug 2023	19	14.02	88.29	8.9	33.25	8.1	24.8	1.67
I27	09 Aug 2023	20	13.89	87.83	8.7	33.30	8.1	24.9	2.05
I27	09 Aug 2023	21	13.62	87.55	8.3	33.35	8.1	25.0	2.06
I27	09 Aug 2023	22	13.53	87.07	8.2	33.35	8.1	25.0	2.58
I27	09 Aug 2023	23	13.44	85.48	8.0	33.35	8.1	25.0	2.99
I27	09 Aug 2023	24	13.43	85.01	7.8	33.34	8.1	25.0	3.16
I27	09 Aug 2023	25	13.41	85.18	7.7	33.35	8.0	25.0	3.39
I27	09 Aug 2023	26	13.40	85.29	7.6	33.35	8.0	25.0	2.91
I27	09 Aug 2023	27	13.40	84.94	7.6	33.35	8.0	25.0	2.61
I27	09 Aug 2023	28	13.40	84.38	7.6	33.35	8.0	25.0	2.35
I28	10 Aug 2023	1	22.87	84.63	7.6	33.52	8.2	22.8	1.14
I28	10 Aug 2023	2	22.64	84.71	7.7	33.51	8.2	22.9	1.14
I28	10 Aug 2023	3	22.52	85.22	7.8	33.50	8.2	22.9	1.03
I28	10 Aug 2023	4	22.58	85.50	7.7	33.49	8.2	22.9	1.00
I28	10 Aug 2023	5	21.84	86.36	7.8	33.46	8.2	23.1	0.95
I28	10 Aug 2023	6	20.82	87.32	8.1	33.43	8.2	23.3	0.95
I28	10 Aug 2023	7	20.51	87.43	8.3	33.41	8.2	23.4	1.18
I28	10 Aug 2023	8	20.25	86.34	8.3	33.40	8.2	23.5	1.68
I28	10 Aug 2023	9	19.16	84.71	8.3	33.37	8.2	23.7	2.01
I28	10 Aug 2023	10	18.02	85.73	8.4	33.36	8.2	24.0	1.60
I28	10 Aug 2023	11	17.82	87.94	8.6	33.34	8.2	24.0	1.36
I28	10 Aug 2023	12	17.35	87.44	8.8	33.33	8.2	24.2	1.35
I28	10 Aug 2023	13	17.09	86.58	9.0	33.33	8.2	24.2	1.44
I28	10 Aug 2023	14	16.70	85.99	9.0	33.31	8.2	24.3	1.56
I28	10 Aug 2023	15	16.30	85.53	9.1	33.31	8.2	24.4	1.61
I28	10 Aug 2023	16	16.04	85.52	9.0	33.30	8.2	24.4	1.70
I28	10 Aug 2023	17	15.16	85.79	8.8	33.29	8.2	24.6	1.70
I28	10 Aug 2023	18	14.79	86.53	8.8	33.28	8.2	24.7	1.74
I28	10 Aug 2023	19	14.64	86.87	8.8	33.27	8.1	24.7	1.84
I28	10 Aug 2023	20	14.33	86.99	8.8	33.25	8.1	24.8	1.84
I28	10 Aug 2023	21	14.16	87.44	8.7	33.25	8.1	24.8	2.00
I28	10 Aug 2023	22	13.95	87.12	8.6	33.25	8.1	24.8	2.27
I28	10 Aug 2023	23	13.81	86.72	8.5	33.25	8.1	24.9	2.41
I28	10 Aug 2023	24	13.70	87.59	8.4	33.24	8.1	24.9	2.43
I28	10 Aug 2023	25	13.65	88.27	8.3	33.24	8.1	24.9	2.39
I28	10 Aug 2023	26	13.64	88.32	8.4	33.25	8.1	24.9	2.25
I28	10 Aug 2023	27	13.65	88.28	8.4	33.25	8.1	24.9	2.29
I28	10 Aug 2023	28	13.64	88.19	8.3	33.26	8.1	24.9	2.36
I28	10 Aug 2023	29	13.65	88.06	8.4	33.27	8.1	24.9	2.27
I28	10 Aug 2023	30	13.66	87.86	8.3	33.27	8.1	24.9	2.31
I28	10 Aug 2023	31	13.68	87.75	8.4	33.29	8.1	24.9	2.54
I28	10 Aug 2023	32	13.68	87.50	8.3	33.30	8.1	24.9	2.68
I28	10 Aug 2023	33	13.47	87.14	8.1	33.32	8.1	25.0	2.78
I28	10 Aug 2023	34	13.15	87.22	7.9	33.30	8.1	25.0	2.69

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I28	10 Aug 2023	35	13.00	89.38	7.7	33.29	8.1	25.1	2.26
I28	10 Aug 2023	36	12.73	91.28	7.5	33.29	8.0	25.1	1.68
I28	10 Aug 2023	37	12.67	91.69	7.5	33.29	8.0	25.1	1.29
I28	10 Aug 2023	38	12.66	91.86	7.5	33.29	8.0	25.1	1.09
I28	10 Aug 2023	39	12.64	91.93	7.4	33.29	8.0	25.1	1.00
I28	10 Aug 2023	40	12.54	91.89	7.2	33.32	8.0	25.2	0.97
I28	10 Aug 2023	41	12.51	91.69	7.0	33.33	8.0	25.2	0.94
I28	10 Aug 2023	42	12.51	91.62	7.0	33.33	8.0	25.2	0.95
I28	10 Aug 2023	43	12.48	91.63	6.9	33.33	8.0	25.2	0.89
I28	10 Aug 2023	44	12.42	91.62	6.8	33.34	8.0	25.2	0.87
I28	10 Aug 2023	45	12.34	91.66	6.7	33.35	8.0	25.2	0.92
I28	10 Aug 2023	46	12.33	91.68	6.7	33.35	8.0	25.2	0.89
I28	10 Aug 2023	47	12.28	91.62	6.7	33.35	8.0	25.3	0.87
I28	10 Aug 2023	48	12.21	91.66	6.6	33.36	8.0	25.3	0.87
I28	10 Aug 2023	49	12.08	91.77	6.5	33.37	8.0	25.3	0.82
I28	10 Aug 2023	50	12.02	91.72	6.4	33.39	7.9	25.3	0.80
I28	10 Aug 2023	51	11.98	91.57	6.3	33.39	7.9	25.3	0.75
I28	10 Aug 2023	52	11.95	91.48	6.2	33.40	7.9	25.4	0.72
I28	10 Aug 2023	53	11.95	91.28	6.2	33.40	7.9	25.4	0.67
I28	10 Aug 2023	54	11.95	91.13	6.2	33.40	7.9	25.4	0.71
I28	10 Aug 2023	55	11.95	91.03	6.2	33.40	7.9	25.4	0.67
I29	10 Aug 2023	1	21.93	79.72	8.6	33.48	8.2	23.1	1.92
I29	10 Aug 2023	2	21.85	80.09	8.6	33.48	8.2	23.1	2.10
I29	10 Aug 2023	3	21.29	80.24	8.8	33.45	8.2	23.2	2.58
I29	10 Aug 2023	4	20.31	78.41	9.0	33.41	8.2	23.5	2.98
I29	10 Aug 2023	5	20.00	79.61	9.0	33.39	8.2	23.5	2.68
I29	10 Aug 2023	6	19.03	80.53	9.1	33.37	8.2	23.8	2.25
I29	10 Aug 2023	7	18.56	81.78	9.2	33.36	8.2	23.9	1.86
I29	10 Aug 2023	8	18.20	82.80	9.0	33.34	8.2	23.9	1.72
I29	10 Aug 2023	9	16.76	83.90	9.1	33.32	8.2	24.3	1.50
I29	10 Aug 2023	10	15.99	85.47	9.1	33.29	8.2	24.4	1.28
I29	10 Aug 2023	11	15.47	86.24	9.1	33.27	8.2	24.5	1.22
I29	10 Aug 2023	12	15.29	86.61	9.1	33.26	8.2	24.6	1.19
I29	10 Aug 2023	13	15.05	87.06	9.1	33.26	8.2	24.6	1.26
I29	10 Aug 2023	14	14.78	87.59	9.0	33.24	8.2	24.7	1.22
I29	10 Aug 2023	15	14.45	87.64	9.0	33.24	8.2	24.7	1.37
I29	10 Aug 2023	16	14.31	87.52	9.0	33.24	8.2	24.8	1.45
I29	10 Aug 2023	17	14.05	87.57	9.0	33.23	8.1	24.8	1.53
I29	10 Aug 2023	18	13.95	87.71	9.0	33.23	8.1	24.8	1.57
I29	10 Aug 2023	19	13.93	88.03	9.0	33.24	8.1	24.8	1.59
I29	10 Aug 2023	20	13.90	88.21	8.9	33.23	8.1	24.8	1.48
I29	10 Aug 2023	21	13.85	88.06	8.9	33.25	8.1	24.9	1.53
I29	10 Aug 2023	22	13.80	87.82	8.8	33.26	8.1	24.9	1.72
I29	10 Aug 2023	23	13.74	87.35	8.7	33.27	8.1	24.9	1.93
I29	10 Aug 2023	24	13.59	87.45	8.4	33.30	8.1	25.0	2.15
I29	10 Aug 2023	25	13.44	87.19	8.2	33.34	8.1	25.0	2.60
I29	10 Aug 2023	26	13.43	86.88	8.1	33.33	8.1	25.0	2.82
I29	10 Aug 2023	27	13.38	86.48	7.9	33.34	8.1	25.0	2.73
I29	10 Aug 2023	28	13.37	85.63	7.8	33.34	8.1	25.0	2.66
I29	10 Aug 2023	29	13.36	85.71	7.8	33.35	8.0	25.0	2.64
I29	10 Aug 2023	30	13.35	85.73	7.7	33.35	8.0	25.0	2.69
I29	10 Aug 2023	31	13.34	85.96	7.7	33.35	8.0	25.0	2.48
I29	10 Aug 2023	32	13.34	86.14	7.7	33.35	8.0	25.0	2.40
I29	10 Aug 2023	33	13.34	86.17	7.6	33.35	8.0	25.0	2.16
I29	10 Aug 2023	34	13.30	85.84	7.5	33.35	8.0	25.1	2.27
I29	10 Aug 2023	35	13.24	84.34	7.2	33.35	8.0	25.1	2.05
I29	10 Aug 2023	36	13.02	83.72	7.0	33.36	8.0	25.1	1.75
I29	10 Aug 2023	37	12.93	85.91	6.9	33.36	8.0	25.1	1.35
I29	10 Aug 2023	38	13.14	86.12	7.0	33.34	8.0	25.1	1.33

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ -t)	Chlor (μ g/L)
I3	08 Aug 2023	1	21.82	88.56	7.7	33.44	8.1	23.1	0.38
I3	08 Aug 2023	2	21.63	88.63	7.8	33.44	8.1	23.1	0.41
I3	08 Aug 2023	3	21.59	88.65	7.8	33.44	8.1	23.1	0.44
I3	08 Aug 2023	4	21.58	88.67	7.8	33.44	8.1	23.1	0.46
I3	08 Aug 2023	5	21.55	88.66	7.8	33.44	8.1	23.2	0.46
I3	08 Aug 2023	6	21.22	88.60	7.8	33.44	8.2	23.2	0.49
I3	08 Aug 2023	7	20.14	88.52	8.0	33.40	8.2	23.5	0.53
I3	08 Aug 2023	8	18.42	88.30	8.4	33.36	8.2	23.9	0.51
I3	08 Aug 2023	9	17.42	88.24	8.5	33.31	8.2	24.1	0.49
I3	08 Aug 2023	10	16.45	88.41	8.8	33.29	8.2	24.3	0.45
I3	08 Aug 2023	11	16.06	88.81	9.0	33.26	8.2	24.4	0.42
I3	08 Aug 2023	12	15.88	89.47	9.1	33.25	8.2	24.4	0.39
I3	08 Aug 2023	13	15.83	89.86	9.2	33.25	8.2	24.4	0.41
I3	08 Aug 2023	14	15.74	89.86	9.1	33.25	8.2	24.5	0.43
I3	08 Aug 2023	15	15.52	89.87	9.1	33.24	8.2	24.5	0.44
I3	08 Aug 2023	16	15.12	90.12	9.0	33.20	8.2	24.6	0.45
I3	08 Aug 2023	17	14.56	90.37	9.0	33.16	8.2	24.6	0.46
I3	08 Aug 2023	18	14.23	90.44	9.1	33.15	8.2	24.7	0.52
I3	08 Aug 2023	19	14.14	90.36	9.1	33.15	8.2	24.7	0.58
I3	08 Aug 2023	20	14.10	90.11	9.1	33.17	8.2	24.8	0.71
I3	08 Aug 2023	21	14.04	89.97	9.0	33.19	8.1	24.8	0.87
I3	08 Aug 2023	22	13.87	89.35	8.7	33.26	8.1	24.9	1.19
I3	08 Aug 2023	23	13.71	87.50	8.6	33.30	8.1	24.9	1.97
I3	08 Aug 2023	24	13.65	85.73	8.5	33.31	8.1	25.0	2.48
I3	08 Aug 2023	25	13.64	85.42	8.5	33.31	8.1	25.0	2.74
I3	08 Aug 2023	26	13.64	85.60	8.5	33.31	8.1	25.0	2.84
I3	08 Aug 2023	27	13.73	85.71	8.5	33.30	8.1	24.9	2.66
I30	10 Aug 2023	1	20.25	80.71	9.0	33.41	8.2	23.5	1.92
I30	10 Aug 2023	2	20.26	80.63	9.1	33.41	8.2	23.5	2.09
I30	10 Aug 2023	3	20.24	80.83	9.1	33.41	8.2	23.5	2.10
I30	10 Aug 2023	4	20.22	80.95	9.1	33.41	8.2	23.5	2.20
I30	10 Aug 2023	5	20.08	80.97	9.0	33.40	8.2	23.5	2.20
I30	10 Aug 2023	6	19.64	81.39	8.9	33.40	8.2	23.6	1.95
I30	10 Aug 2023	7	18.83	82.59	8.8	33.37	8.2	23.8	1.72
I30	10 Aug 2023	8	17.08	83.95	8.9	33.34	8.2	24.2	1.51
I30	10 Aug 2023	9	16.36	85.87	8.9	33.30	8.2	24.4	1.30
I30	10 Aug 2023	10	16.02	86.92	9.0	33.28	8.2	24.4	1.23
I30	10 Aug 2023	11	15.90	87.25	9.1	33.27	8.2	24.4	1.27
I30	10 Aug 2023	12	15.81	87.22	9.2	33.26	8.2	24.5	1.41
I30	10 Aug 2023	13	15.54	86.65	9.2	33.24	8.2	24.5	1.66
I30	10 Aug 2023	14	15.25	85.33	9.2	33.22	8.2	24.5	2.24
I30	10 Aug 2023	15	15.08	83.75	9.2	33.21	8.2	24.6	2.65
I30	10 Aug 2023	16	14.94	84.48	9.1	33.22	8.1	24.6	2.48
I30	10 Aug 2023	17	14.75	85.06	9.1	33.20	8.1	24.6	2.37
I30	10 Aug 2023	18	14.61	85.37	9.0	33.21	8.1	24.7	2.48
I30	10 Aug 2023	19	14.56	85.86	9.1	33.21	8.1	24.7	2.38
I30	10 Aug 2023	20	14.49	86.30	9.0	33.22	8.1	24.7	2.16
I30	10 Aug 2023	21	14.38	86.91	9.1	33.22	8.1	24.7	2.04
I30	10 Aug 2023	22	14.34	87.64	9.0	33.23	8.1	24.7	1.85
I30	10 Aug 2023	23	14.21	87.75	8.9	33.24	8.1	24.8	1.87
I30	10 Aug 2023	24	14.08	86.74	8.7	33.26	8.1	24.8	2.10
I30	10 Aug 2023	25	13.95	85.31	8.5	33.28	8.1	24.9	2.24
I30	10 Aug 2023	26	13.73	85.45	8.4	33.31	8.1	24.9	2.29
I30	10 Aug 2023	27	13.68	85.59	8.2	33.31	8.1	24.9	2.45
I30	10 Aug 2023	28	13.65	84.27	8.0	33.31	8.1	25.0	2.33
I31	10 Aug 2023	1	20.26	80.51	9.0	33.40	8.2	23.5	2.28
I31	10 Aug 2023	2	20.24	80.98	9.0	33.40	8.2	23.5	2.15
I31	10 Aug 2023	3	20.20	81.25	8.9	33.40	8.2	23.5	2.06
I31	10 Aug 2023	4	19.90	81.36	8.8	33.38	8.2	23.6	2.04

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I31	10 Aug 2023	5	18.85	81.78	9.0	33.38	8.2	23.8	1.69
I31	10 Aug 2023	6	18.58	83.32	9.1	33.36	8.2	23.9	1.43
I31	10 Aug 2023	7	18.38	84.84	9.1	33.35	8.2	23.9	1.31
I31	10 Aug 2023	8	18.16	85.22	9.0	33.34	8.2	24.0	1.28
I31	10 Aug 2023	9	17.55	85.54	9.0	33.31	8.2	24.1	1.34
I31	10 Aug 2023	10	16.89	85.57	9.1	33.29	8.2	24.2	1.45
I31	10 Aug 2023	11	16.49	84.96	9.1	33.28	8.2	24.3	1.71
I31	10 Aug 2023	12	16.00	84.17	9.0	33.26	8.2	24.4	2.03
I31	10 Aug 2023	13	15.53	83.50	8.9	33.25	8.2	24.5	2.32
I31	10 Aug 2023	14	15.04	82.56	8.8	33.24	8.1	24.6	2.67
I31	10 Aug 2023	15	14.64	82.47	8.7	33.23	8.1	24.7	2.79
I31	10 Aug 2023	16	14.47	81.86	8.6	33.23	8.1	24.7	3.25
I31	10 Aug 2023	17	14.39	80.32	8.6	33.23	8.1	24.7	3.55
I31	10 Aug 2023	18	14.35	78.79	8.6	33.23	8.1	24.8	4.07
I31	10 Aug 2023	19	14.35	77.15	8.6	33.24	8.1	24.8	4.33
I33	10 Aug 2023	1	22.30	82.29	7.9	33.50	8.2	23.0	1.24
I33	10 Aug 2023	2	21.64	82.37	8.2	33.48	8.2	23.2	1.38
I33	10 Aug 2023	3	21.02	80.65	8.6	33.44	8.2	23.3	1.74
I33	10 Aug 2023	4	20.86	79.68	8.5	33.42	8.2	23.3	2.04
I33	10 Aug 2023	5	19.27	79.73	8.7	33.38	8.2	23.7	2.17
I33	10 Aug 2023	6	18.38	80.77	8.8	33.34	8.2	23.9	2.10
I33	10 Aug 2023	7	17.46	82.37	9.0	33.33	8.2	24.1	1.68
I33	10 Aug 2023	8	16.85	83.67	9.2	33.30	8.2	24.2	1.41
I33	10 Aug 2023	9	16.18	85.10	9.3	33.29	8.2	24.4	1.21
I33	10 Aug 2023	10	15.89	85.77	9.4	33.27	8.2	24.4	1.14
I33	10 Aug 2023	11	15.70	86.01	9.3	33.27	8.2	24.5	1.13
I33	10 Aug 2023	12	15.37	86.22	9.2	33.26	8.2	24.5	1.14
I33	10 Aug 2023	13	15.18	86.12	9.2	33.25	8.2	24.6	1.19
I33	10 Aug 2023	14	15.09	86.49	9.2	33.26	8.2	24.6	1.09
I33	10 Aug 2023	15	14.99	86.92	9.2	33.25	8.2	24.6	1.07
I33	10 Aug 2023	16	14.92	86.91	9.1	33.25	8.2	24.6	1.13
I33	10 Aug 2023	17	14.59	86.96	9.1	33.23	8.2	24.7	1.32
I33	10 Aug 2023	18	14.32	86.58	9.1	33.22	8.2	24.7	1.71
I33	10 Aug 2023	19	14.23	85.25	9.0	33.23	8.1	24.8	2.13
I33	10 Aug 2023	20	14.19	84.43	8.9	33.24	8.1	24.8	2.41
I33	10 Aug 2023	21	14.18	84.05	8.9	33.24	8.1	24.8	2.65
I33	10 Aug 2023	22	14.18	83.72	8.9	33.25	8.1	24.8	2.73
I33	10 Aug 2023	23	14.18	83.79	8.8	33.25	8.1	24.8	2.90
I33	10 Aug 2023	24	14.18	83.54	8.7	33.25	8.1	24.8	3.12
I33	10 Aug 2023	25	14.11	82.70	8.4	33.27	8.1	24.8	3.64
I33	10 Aug 2023	26	14.05	81.31	8.3	33.28	8.1	24.8	4.14
I33	10 Aug 2023	27	14.02	80.22	8.2	33.28	8.1	24.9	4.07
I33	10 Aug 2023	28	13.99	80.45	8.1	33.28	8.1	24.9	3.95
I33	10 Aug 2023	29	13.93	80.65	8.0	33.29	8.1	24.9	3.83
I33	10 Aug 2023	30	13.87	80.59	7.9	33.29	8.1	24.9	3.64
I34	10 Aug 2023	1	20.73	79.92	8.6	33.41	8.2	23.4	3.05
I34	10 Aug 2023	2	20.61	80.71	8.6	33.41	8.2	23.4	2.84
I34	10 Aug 2023	3	20.10	82.19	8.7	33.39	8.2	23.5	2.12
I34	10 Aug 2023	4	19.03	84.72	8.9	33.37	8.2	23.8	1.54
I34	10 Aug 2023	5	18.40	85.79	9.1	33.36	8.2	23.9	1.20
I34	10 Aug 2023	6	18.17	85.86	9.2	33.35	8.2	24.0	1.09
I34	10 Aug 2023	7	17.98	85.64	9.2	33.34	8.2	24.0	1.13
I34	10 Aug 2023	8	17.88	85.54	9.2	33.34	8.2	24.0	1.17
I34	10 Aug 2023	9	17.61	85.43	9.2	33.34	8.2	24.1	1.21
I34	10 Aug 2023	10	17.00	85.97	9.2	33.32	8.2	24.2	1.20
I34	10 Aug 2023	11	16.52	86.15	9.2	33.31	8.2	24.3	1.13
I34	10 Aug 2023	12	16.19	86.38	9.3	33.29	8.2	24.4	1.07
I34	10 Aug 2023	13	15.83	86.17	9.4	33.28	8.2	24.5	1.05
I34	10 Aug 2023	14	15.53	86.48	9.4	33.27	8.2	24.5	1.12

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I34	10 Aug 2023	15	15.15	86.22	9.2	33.26	8.2	24.6	1.26
I34	10 Aug 2023	16	14.78	85.58	9.0	33.26	8.1	24.7	1.63
I34	10 Aug 2023	17	14.77	83.68	8.9	33.27	8.1	24.7	2.08
I34	10 Aug 2023	18	14.72	82.43	8.6	33.27	8.1	24.7	2.39
I34	10 Aug 2023	19	14.51	81.08	8.3	33.28	8.1	24.8	2.80
I35	10 Aug 2023	1	20.80	84.39	8.3	33.42	8.2	23.3	0.70
I35	10 Aug 2023	2	20.79	83.91	8.4	33.42	8.2	23.3	0.72
I35	10 Aug 2023	3	20.79	83.95	8.3	33.42	8.2	23.3	0.79
I35	10 Aug 2023	4	20.53	84.61	8.5	33.41	8.2	23.4	0.82
I35	10 Aug 2023	5	20.21	84.55	8.6	33.41	8.2	23.5	0.90
I35	10 Aug 2023	6	19.44	83.88	8.8	33.38	8.2	23.7	0.95
I35	10 Aug 2023	7	18.74	83.98	8.9	33.36	8.2	23.8	1.01
I35	10 Aug 2023	8	18.24	84.22	9.0	33.35	8.2	24.0	1.06
I35	10 Aug 2023	9	17.94	84.62	9.1	33.34	8.2	24.0	1.11
I35	10 Aug 2023	10	17.45	84.90	9.1	33.31	8.2	24.1	1.19
I35	10 Aug 2023	11	16.91	85.16	9.1	33.30	8.2	24.2	1.23
I35	10 Aug 2023	12	16.22	85.15	9.2	33.29	8.2	24.4	1.34
I35	10 Aug 2023	13	15.88	85.67	9.2	33.27	8.2	24.4	1.37
I35	10 Aug 2023	14	15.55	86.14	9.3	33.26	8.2	24.5	1.60
I35	10 Aug 2023	15	15.23	85.51	8.9	33.25	8.2	24.6	1.85
I35	10 Aug 2023	16	14.87	83.63	8.0	33.28	8.1	24.7	2.33
I35	10 Aug 2023	17	14.81	78.80	7.5	33.29	8.0	24.7	2.97
I35	10 Aug 2023	18	14.74	74.30	7.4	33.29	8.0	24.7	3.80
I35	10 Aug 2023	19	14.66	69.43	7.3	33.30	8.0	24.7	4.21
I36	10 Aug 2023	1	21.71	75.32	8.3	33.43	8.2	23.1	2.62
I36	10 Aug 2023	2	21.71	75.24	8.4	33.43	8.2	23.1	3.08
I36	10 Aug 2023	3	21.70	75.07	8.4	33.43	8.2	23.1	3.64
I36	10 Aug 2023	4	21.70	74.77	8.3	33.43	8.2	23.1	4.02
I36	10 Aug 2023	5	21.70	74.95	8.3	33.43	8.2	23.1	4.07
I36	10 Aug 2023	6	21.69	75.27	8.3	33.43	8.2	23.1	4.19
I36	10 Aug 2023	7	21.60	75.69	8.2	33.43	8.2	23.1	4.67
I36	10 Aug 2023	8	21.20	74.80	8.0	33.40	8.2	23.2	4.96
I36	10 Aug 2023	9	20.16	72.59	7.9	33.37	8.2	23.5	4.97
I36	10 Aug 2023	10	18.74	70.02	7.9	33.32	8.2	23.8	4.66
I36	10 Aug 2023	11	17.92	68.73	7.9	33.34	8.1	24.0	3.93
I37	10 Aug 2023	1	21.24	81.79	NA	NA	8.2	NA	1.28
I37	10 Aug 2023	2	21.08	81.36	NA	NA	8.2	NA	1.28
I37	10 Aug 2023	3	19.91	77.87	NA	NA	8.2	NA	1.28
I37	10 Aug 2023	4	19.35	75.76	NA	NA	8.2	NA	1.22
I37	10 Aug 2023	5	18.92	78.52	8.6	33.54	8.2	23.9	1.47
I37	10 Aug 2023	6	18.35	81.70	8.7	33.52	8.2	24.1	2.30
I37	10 Aug 2023	7	17.78	82.51	8.8	33.48	8.2	24.2	2.70
I37	10 Aug 2023	8	17.24	83.81	8.8	33.44	8.2	24.3	2.41
I37	10 Aug 2023	9	16.31	84.30	8.6	33.46	8.2	24.5	2.02
I37	10 Aug 2023	10	15.70	80.70	8.1	33.38	8.1	24.6	1.98
I37	10 Aug 2023	11	15.57	74.82	8.2	33.35	8.1	24.6	2.25
I37	10 Aug 2023	12	15.54	72.91	8.2	33.33	8.1	24.6	2.22
I38	10 Aug 2023	1	22.04	70.56	9.1	33.44	8.3	23.0	1.67
I38	10 Aug 2023	2	22.04	70.78	9.1	33.44	8.3	23.0	1.70
I38	10 Aug 2023	3	22.01	71.02	9.2	33.44	8.3	23.0	2.03
I38	10 Aug 2023	4	21.98	69.31	9.1	33.44	8.3	23.0	2.36
I38	10 Aug 2023	5	21.98	72.91	9.0	33.44	8.3	23.0	2.64
I38	10 Aug 2023	6	21.48	72.91	8.9	33.42	8.3	23.2	2.90
I38	10 Aug 2023	7	20.45	72.32	9.1	33.41	8.2	23.4	3.15
I38	10 Aug 2023	8	19.82	73.91	9.0	33.39	8.2	23.6	3.09
I38	10 Aug 2023	9	19.05	75.78	8.1	33.37	8.2	23.8	3.27
I38	10 Aug 2023	10	17.95	72.84	6.8	33.34	8.1	24.0	4.22

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I38	10 Aug 2023	11	17.13	60.95	6.3	33.33	8.0	24.2	5.61
I4	08 Aug 2023	1	22.10	81.27	7.9	33.44	8.2	23.0	0.92
I4	08 Aug 2023	2	21.71	81.35	8.0	33.44	8.2	23.1	0.97
I4	08 Aug 2023	3	20.49	81.38	8.2	33.43	8.2	23.4	0.82
I4	08 Aug 2023	4	19.19	84.76	8.4	33.38	8.2	23.7	0.59
I4	08 Aug 2023	5	18.52	87.14	8.5	33.36	8.2	23.9	0.50
I4	08 Aug 2023	6	17.80	87.07	8.5	33.33	8.2	24.0	0.50
I4	08 Aug 2023	7	16.87	86.48	8.8	33.30	8.2	24.2	0.54
I4	08 Aug 2023	8	16.48	86.33	8.8	33.29	8.2	24.3	0.59
I4	08 Aug 2023	9	15.92	86.12	8.8	33.26	8.2	24.4	0.67
I4	08 Aug 2023	10	15.02	86.75	9.0	33.22	8.2	24.6	0.69
I4	08 Aug 2023	11	14.61	88.25	9.1	33.20	8.2	24.7	0.65
I4	08 Aug 2023	12	14.44	87.89	9.2	33.20	8.2	24.7	0.79
I4	08 Aug 2023	13	14.42	87.58	9.2	33.20	8.1	24.7	0.99
I4	08 Aug 2023	14	14.37	87.34	9.0	33.20	8.1	24.7	1.20
I4	08 Aug 2023	15	14.04	86.56	8.7	33.26	8.1	24.8	1.64
I4	08 Aug 2023	16	13.93	84.53	8.5	33.28	8.1	24.9	2.26
I4	08 Aug 2023	17	13.82	82.96	8.3	33.30	8.1	24.9	2.84
I4	08 Aug 2023	18	13.82	81.59	8.3	33.30	8.1	24.9	3.07
I5	08 Aug 2023	1	21.49	78.68	8.2	33.43	8.2	23.2	1.13
I5	08 Aug 2023	2	20.84	78.75	8.3	33.41	8.2	23.3	1.03
I5	08 Aug 2023	3	19.77	79.09	8.3	33.37	8.2	23.6	0.88
I5	08 Aug 2023	4	18.65	80.52	8.5	33.35	8.2	23.9	0.73
I5	08 Aug 2023	5	18.06	82.89	8.7	33.34	8.2	24.0	0.74
I5	08 Aug 2023	6	17.74	83.57	8.8	33.33	8.2	24.1	0.84
I5	08 Aug 2023	7	17.34	83.34	8.8	33.29	8.2	24.1	1.00
I5	08 Aug 2023	8	16.76	82.47	8.8	33.28	8.2	24.2	1.13
I5	08 Aug 2023	9	15.98	81.89	8.9	33.26	8.2	24.4	1.20
I5	08 Aug 2023	10	15.26	82.30	8.9	33.24	8.2	24.6	1.34
I5	08 Aug 2023	11	14.90	82.69	8.8	33.24	8.2	24.6	1.63
I5	08 Aug 2023	12	14.76	81.72	8.7	33.26	8.1	24.7	2.10
I5	08 Aug 2023	13	14.53	79.48	8.6	33.27	8.1	24.7	2.78
I5	08 Aug 2023	14	14.48	76.64	8.5	33.28	8.1	24.8	3.29
I6	08 Aug 2023	1	21.71	79.68	7.8	33.45	8.2	23.1	0.36
I6	08 Aug 2023	2	21.63	82.71	7.8	33.45	8.2	23.1	0.38
I6	08 Aug 2023	3	21.48	84.54	7.8	33.45	8.2	23.2	0.40
I6	08 Aug 2023	4	21.33	84.77	7.9	33.44	8.2	23.2	0.44
I6	08 Aug 2023	5	21.31	84.88	7.8	33.44	8.2	23.2	0.47
I6	08 Aug 2023	6	21.30	84.95	7.9	33.44	8.2	23.2	0.48
I6	08 Aug 2023	7	21.28	84.81	7.9	33.44	8.2	23.2	0.48
I6	08 Aug 2023	8	21.24	85.12	7.9	33.44	8.2	23.2	0.50
I6	08 Aug 2023	9	21.18	85.68	7.9	33.44	8.2	23.3	0.50
I6	08 Aug 2023	10	21.03	85.72	8.0	33.44	8.2	23.3	0.52
I6	08 Aug 2023	11	20.91	86.09	8.0	33.43	8.2	23.3	0.57
I6	08 Aug 2023	12	20.62	87.26	8.0	33.42	8.2	23.4	0.59
I6	08 Aug 2023	13	20.15	87.68	8.1	33.41	8.2	23.5	0.63
I6	08 Aug 2023	14	18.76	87.51	8.2	33.38	8.2	23.8	0.64
I6	08 Aug 2023	15	17.19	87.61	8.4	33.31	8.2	24.2	0.62
I6	08 Aug 2023	16	16.04	88.09	8.8	33.28	8.2	24.4	0.55
I6	08 Aug 2023	17	15.72	88.85	8.9	33.25	8.2	24.5	0.50
I6	08 Aug 2023	18	14.86	89.30	9.1	33.19	8.2	24.6	0.53
I6	08 Aug 2023	19	14.63	89.67	9.2	33.17	8.2	24.6	0.52
I6	08 Aug 2023	20	14.47	89.84	9.1	33.18	8.2	24.7	0.56
I6	08 Aug 2023	21	14.21	89.78	9.1	33.19	8.2	24.7	0.66
I6	08 Aug 2023	22	13.99	89.58	8.9	33.19	8.2	24.8	0.80
I6	08 Aug 2023	23	13.71	88.33	8.7	33.26	8.1	24.9	1.35
I6	08 Aug 2023	24	13.57	86.41	8.5	33.29	8.1	25.0	2.01
I6	08 Aug 2023	25	13.66	86.14	8.4	33.28	8.1	24.9	2.47

Station	Date	Depth (m)	Temp (°C)	XMS (‰)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
17	08 Aug 2023	1	20.92	85.87	8.3	33.43	8.2	23.3	0.66
17	08 Aug 2023	2	20.92	85.90	8.3	33.43	8.2	23.3	0.70
17	08 Aug 2023	3	20.92	85.93	8.3	33.43	8.2	23.3	0.69
17	08 Aug 2023	4	20.92	85.99	8.3	33.43	8.2	23.3	0.70
17	08 Aug 2023	5	20.90	85.86	8.3	33.43	8.2	23.3	0.75
17	08 Aug 2023	6	20.69	85.94	8.4	33.43	8.2	23.4	0.79
17	08 Aug 2023	7	20.62	85.99	8.4	33.42	8.2	23.4	0.80
17	08 Aug 2023	8	20.11	85.98	8.3	33.39	8.2	23.5	0.81
17	08 Aug 2023	9	18.61	86.32	8.4	33.37	8.2	23.9	0.84
17	08 Aug 2023	10	17.45	86.38	8.7	33.34	8.2	24.1	0.81
17	08 Aug 2023	11	16.96	86.97	8.8	33.32	8.2	24.2	0.80
17	08 Aug 2023	12	16.83	87.82	8.9	33.32	8.2	24.3	0.83
17	08 Aug 2023	13	16.79	88.23	9.0	33.32	8.2	24.3	0.83
17	08 Aug 2023	14	16.76	87.91	9.0	33.32	8.2	24.3	0.81
17	08 Aug 2023	15	16.72	88.25	9.0	33.33	8.2	24.3	0.82
17	08 Aug 2023	16	16.66	88.33	9.1	33.33	8.2	24.3	0.79
17	08 Aug 2023	17	16.61	88.45	9.0	33.33	8.2	24.3	0.80
17	08 Aug 2023	18	16.47	88.40	9.0	33.33	8.2	24.4	0.81
17	08 Aug 2023	19	16.20	88.39	9.0	33.32	8.2	24.4	0.81
17	08 Aug 2023	20	15.95	88.70	9.1	33.32	8.2	24.5	0.83
17	08 Aug 2023	21	15.42	88.90	8.9	33.29	8.2	24.6	0.82
17	08 Aug 2023	22	14.68	88.97	8.9	33.25	8.2	24.7	0.84
17	08 Aug 2023	23	14.25	89.19	8.9	33.23	8.2	24.8	1.17
17	08 Aug 2023	24	14.04	88.56	8.9	33.22	8.2	24.8	1.54
17	08 Aug 2023	25	13.91	88.33	8.8	33.22	8.2	24.8	1.63
17	08 Aug 2023	26	13.85	88.80	8.8	33.22	8.2	24.8	1.58
17	08 Aug 2023	27	13.77	89.19	8.7	33.22	8.1	24.9	1.49
17	08 Aug 2023	28	13.68	89.45	8.6	33.23	8.1	24.9	1.41
17	08 Aug 2023	29	13.59	89.71	8.6	33.23	8.1	24.9	1.36
17	08 Aug 2023	30	13.50	89.76	8.5	33.23	8.1	24.9	1.28
17	08 Aug 2023	31	13.40	90.13	8.4	33.24	8.1	24.9	1.21
17	08 Aug 2023	32	13.14	90.63	8.2	33.26	8.1	25.0	1.27
17	08 Aug 2023	33	13.04	90.93	8.0	33.26	8.1	25.0	1.29
17	08 Aug 2023	34	12.91	90.86	7.9	33.26	8.1	25.1	1.35
17	08 Aug 2023	35	12.81	90.88	7.7	33.25	8.1	25.1	1.27
17	08 Aug 2023	36	12.72	91.21	7.6	33.25	8.1	25.1	1.17
17	08 Aug 2023	37	12.69	91.36	7.6	33.25	8.1	25.1	1.17
17	08 Aug 2023	38	12.68	91.39	7.5	33.25	8.1	25.1	1.13
17	08 Aug 2023	39	12.62	91.44	7.5	33.25	8.1	25.1	1.10
17	08 Aug 2023	40	12.57	91.54	7.4	33.26	8.1	25.1	1.05
17	08 Aug 2023	41	12.54	91.65	7.4	33.26	8.1	25.1	1.05
17	08 Aug 2023	42	12.51	91.62	7.3	33.26	8.1	25.1	1.04
17	08 Aug 2023	43	12.43	91.57	7.2	33.27	8.0	25.2	1.05
17	08 Aug 2023	44	12.41	91.63	7.1	33.28	8.0	25.2	1.05
17	08 Aug 2023	45	12.35	91.62	7.0	33.31	8.0	25.2	1.02
17	08 Aug 2023	46	12.31	91.65	6.8	33.34	8.0	25.2	1.04
17	08 Aug 2023	47	12.15	91.54	6.6	33.37	8.0	25.3	0.95
17	08 Aug 2023	48	12.01	91.24	6.4	33.39	8.0	25.3	0.90
17	08 Aug 2023	49	11.93	91.07	6.3	33.41	8.0	25.4	0.85
17	08 Aug 2023	50	11.89	90.77	6.2	33.42	8.0	25.4	0.78
17	08 Aug 2023	51	11.93	90.65	6.2	33.41	8.0	25.4	0.76
18	08 Aug 2023	1	20.74	82.87	8.4	33.43	8.2	23.4	0.68
18	08 Aug 2023	2	20.68	82.90	8.4	33.43	8.2	23.4	0.68
18	08 Aug 2023	3	20.58	83.10	8.3	33.42	8.2	23.4	0.71
18	08 Aug 2023	4	19.25	83.34	8.4	33.37	8.2	23.7	0.67
18	08 Aug 2023	5	18.24	84.29	8.6	33.37	8.2	24.0	0.61
18	08 Aug 2023	6	18.12	85.64	8.7	33.35	8.2	24.0	0.59
18	08 Aug 2023	7	17.86	86.71	8.7	33.34	8.2	24.0	0.60
18	08 Aug 2023	8	17.69	87.13	8.8	33.33	8.2	24.1	0.56

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/L)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
18	08 Aug 2023	9	17.47	87.00	8.8	33.33	8.2	24.1	0.57
18	08 Aug 2023	10	17.15	87.36	8.8	33.32	8.2	24.2	0.57
18	08 Aug 2023	11	16.76	87.81	8.8	33.31	8.2	24.3	0.60
18	08 Aug 2023	12	16.06	87.74	8.9	33.28	8.2	24.4	0.64
18	08 Aug 2023	13	15.52	87.74	9.0	33.26	8.2	24.5	0.62
18	08 Aug 2023	14	15.26	87.91	9.1	33.25	8.2	24.6	0.59
18	08 Aug 2023	15	15.16	88.24	9.1	33.24	8.2	24.6	0.61
18	08 Aug 2023	16	15.01	88.38	9.1	33.23	8.2	24.6	0.63
18	08 Aug 2023	17	14.87	88.58	9.1	33.23	8.2	24.6	0.64
18	08 Aug 2023	18	14.82	88.70	9.1	33.23	8.2	24.6	0.69
18	08 Aug 2023	19	14.73	88.65	9.1	33.22	8.2	24.7	0.75
18	08 Aug 2023	20	14.60	88.72	9.0	33.22	8.2	24.7	0.83
18	08 Aug 2023	21	14.28	88.71	8.9	33.22	8.2	24.8	0.91
18	08 Aug 2023	22	13.81	88.55	8.9	33.23	8.1	24.9	1.22
18	08 Aug 2023	23	13.69	87.21	8.8	33.24	8.1	24.9	1.69
18	08 Aug 2023	24	13.63	87.04	8.7	33.25	8.1	24.9	1.95
18	08 Aug 2023	25	13.59	87.54	8.6	33.28	8.1	24.9	2.03
18	08 Aug 2023	26	13.56	87.92	8.6	33.29	8.1	25.0	2.11
18	08 Aug 2023	27	13.53	88.13	8.5	33.30	8.1	25.0	2.32
18	08 Aug 2023	28	13.46	88.38	8.3	33.31	8.1	25.0	2.25
18	08 Aug 2023	29	13.30	88.51	8.1	33.32	8.1	25.0	2.21
18	08 Aug 2023	30	13.16	88.95	7.9	33.31	8.1	25.1	2.02
18	08 Aug 2023	31	12.88	89.36	7.5	33.33	8.1	25.1	1.92
18	08 Aug 2023	32	12.75	89.20	7.3	33.34	8.0	25.2	2.01
18	08 Aug 2023	33	12.72	88.65	7.2	33.34	8.0	25.2	1.72
18	08 Aug 2023	34	12.70	88.84	7.2	33.34	8.0	25.2	1.81
18	08 Aug 2023	35	12.70	88.90	7.1	33.35	8.0	25.2	1.70
18	08 Aug 2023	36	12.71	88.95	7.1	33.35	8.0	25.2	1.71
19	08 Aug 2023	1	22.13	85.46	7.9	33.45	8.2	23.0	0.45
19	08 Aug 2023	2	21.82	85.46	7.9	33.45	8.2	23.1	0.47
19	08 Aug 2023	3	21.24	85.56	8.0	33.43	8.2	23.2	0.48
19	08 Aug 2023	4	20.55	85.87	8.1	33.42	8.2	23.4	0.48
19	08 Aug 2023	5	20.24	86.48	8.1	33.40	8.2	23.5	0.48
19	08 Aug 2023	6	19.89	86.92	8.2	33.39	8.2	23.6	0.49
19	08 Aug 2023	7	19.59	87.15	8.3	33.39	8.2	23.6	0.54
19	08 Aug 2023	8	19.15	87.13	8.3	33.37	8.2	23.7	0.58
19	08 Aug 2023	9	17.92	87.06	8.4	33.34	8.2	24.0	0.63
19	08 Aug 2023	10	16.57	87.00	8.6	33.28	8.2	24.3	0.63
19	08 Aug 2023	11	15.76	86.72	8.8	33.26	8.2	24.5	0.58
19	08 Aug 2023	12	15.41	87.86	9.0	33.24	8.2	24.5	0.55
19	08 Aug 2023	13	15.26	88.38	9.1	33.23	8.2	24.6	0.53
19	08 Aug 2023	14	15.18	88.53	9.1	33.23	8.2	24.6	0.53
19	08 Aug 2023	15	14.92	88.59	9.1	33.22	8.2	24.6	0.57
19	08 Aug 2023	16	14.59	88.76	9.1	33.20	8.2	24.7	0.59
19	08 Aug 2023	17	14.40	88.95	9.2	33.22	8.2	24.7	0.65
19	08 Aug 2023	18	14.40	89.16	9.2	33.22	8.2	24.7	0.66
19	08 Aug 2023	19	14.35	89.37	9.1	33.23	8.2	24.7	0.70
19	08 Aug 2023	20	14.16	89.38	9.1	33.24	8.1	24.8	0.72
19	08 Aug 2023	21	14.04	89.37	9.0	33.27	8.1	24.8	0.79
19	08 Aug 2023	22	14.01	89.55	8.9	33.28	8.1	24.9	0.92
19	08 Aug 2023	23	13.99	89.19	8.8	33.30	8.1	24.9	1.03
19	08 Aug 2023	24	13.68	87.52	8.5	33.32	8.1	25.0	1.64
19	08 Aug 2023	25	13.47	84.48	8.4	33.32	8.1	25.0	2.55
19	08 Aug 2023	26	13.46	84.63	8.3	33.32	8.1	25.0	2.84
19	08 Aug 2023	27	13.44	84.67	8.3	33.32	8.1	25.0	3.16
19	08 Aug 2023	28	13.44	84.74	8.3	33.32	8.1	25.0	3.10
19	08 Aug 2023	29	13.44	84.71	8.2	33.33	8.1	25.0	2.85

NA = not available

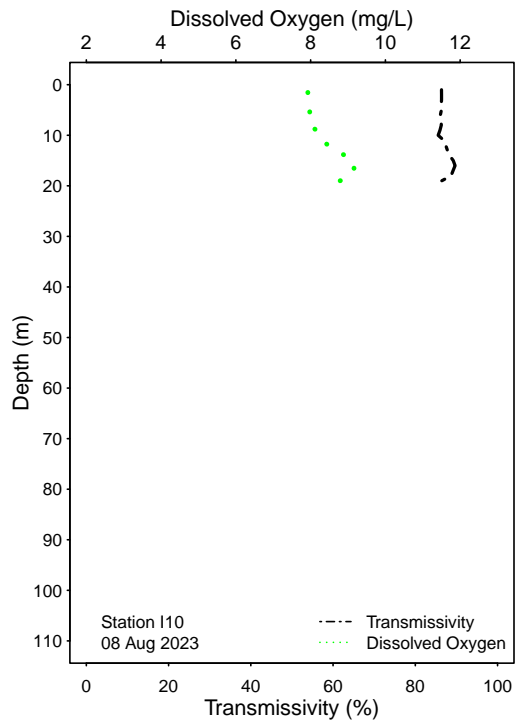
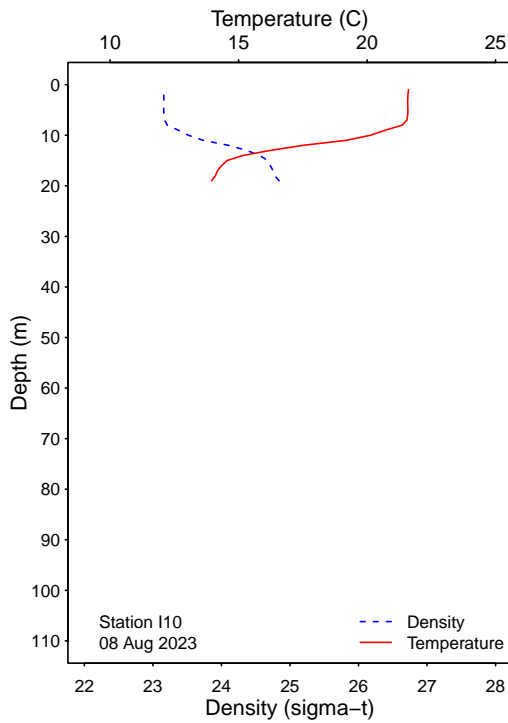
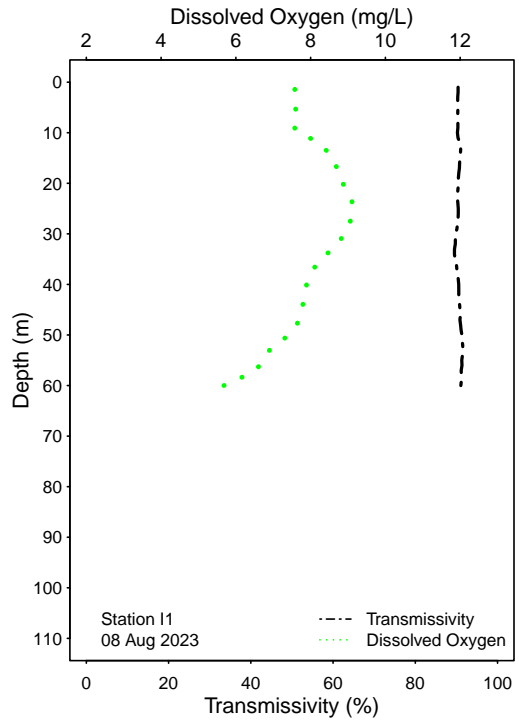
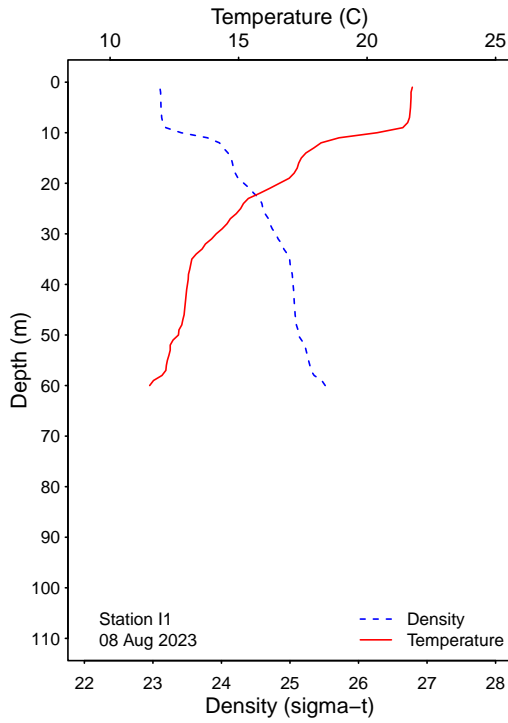


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

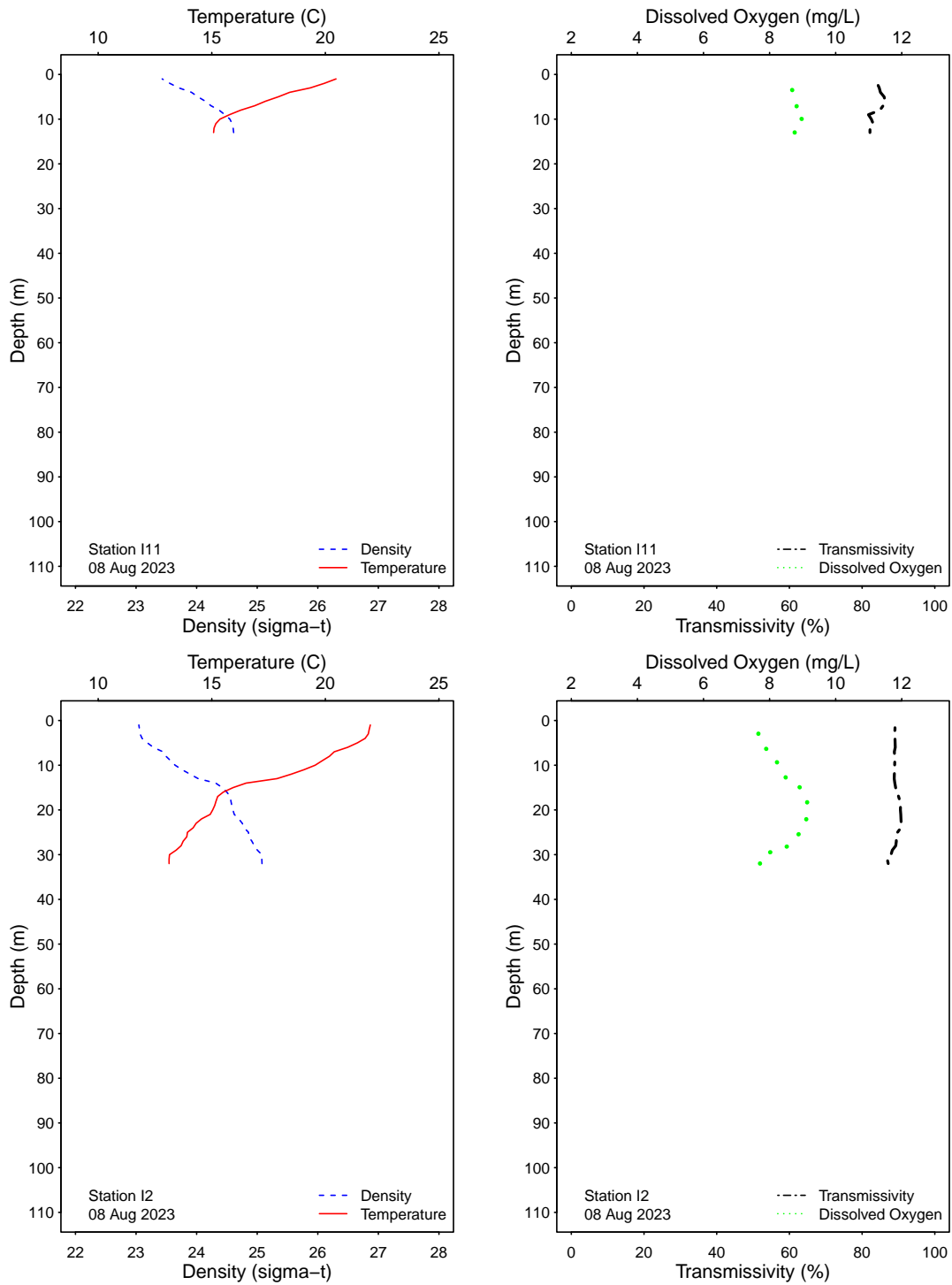


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

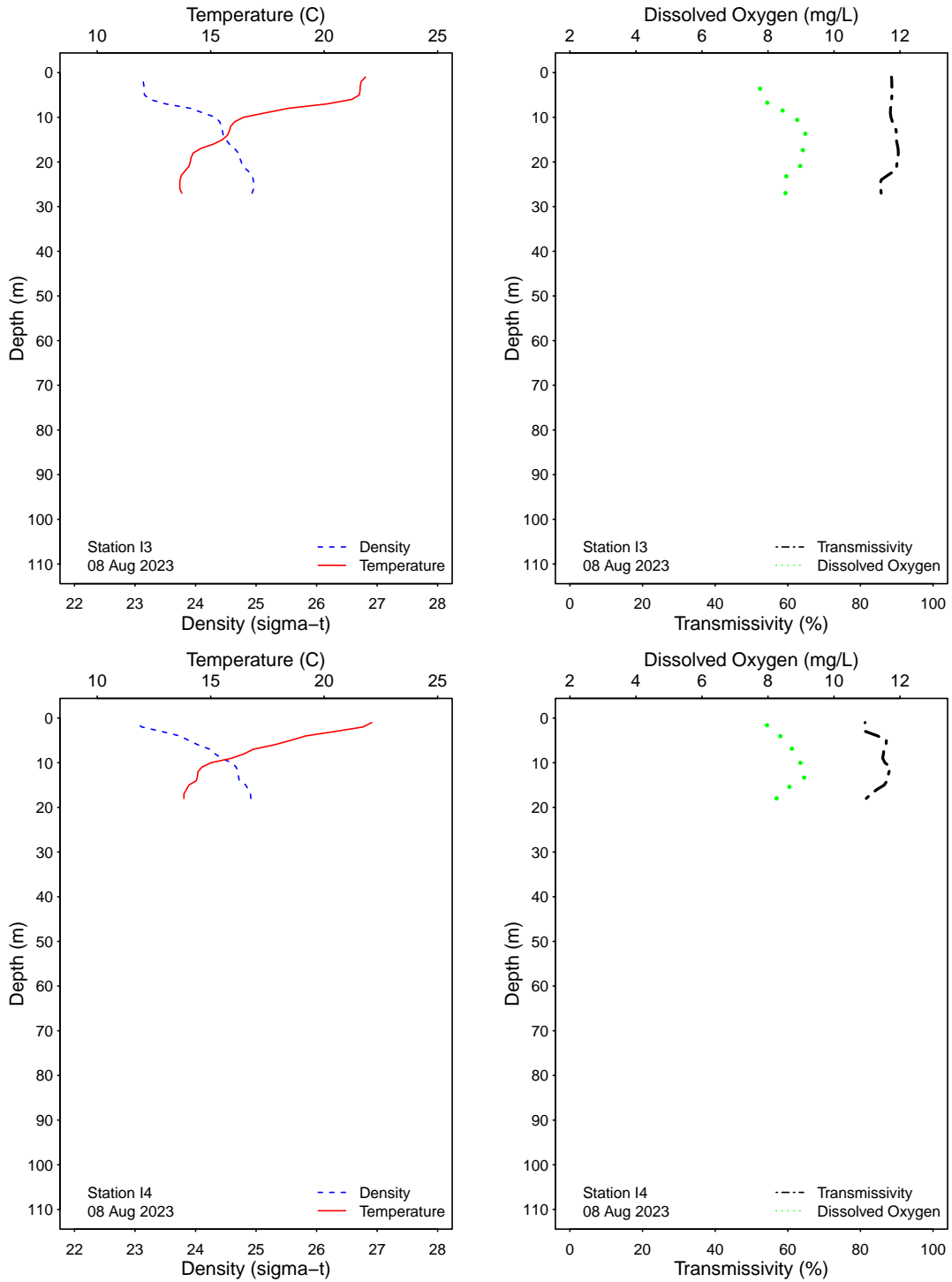


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

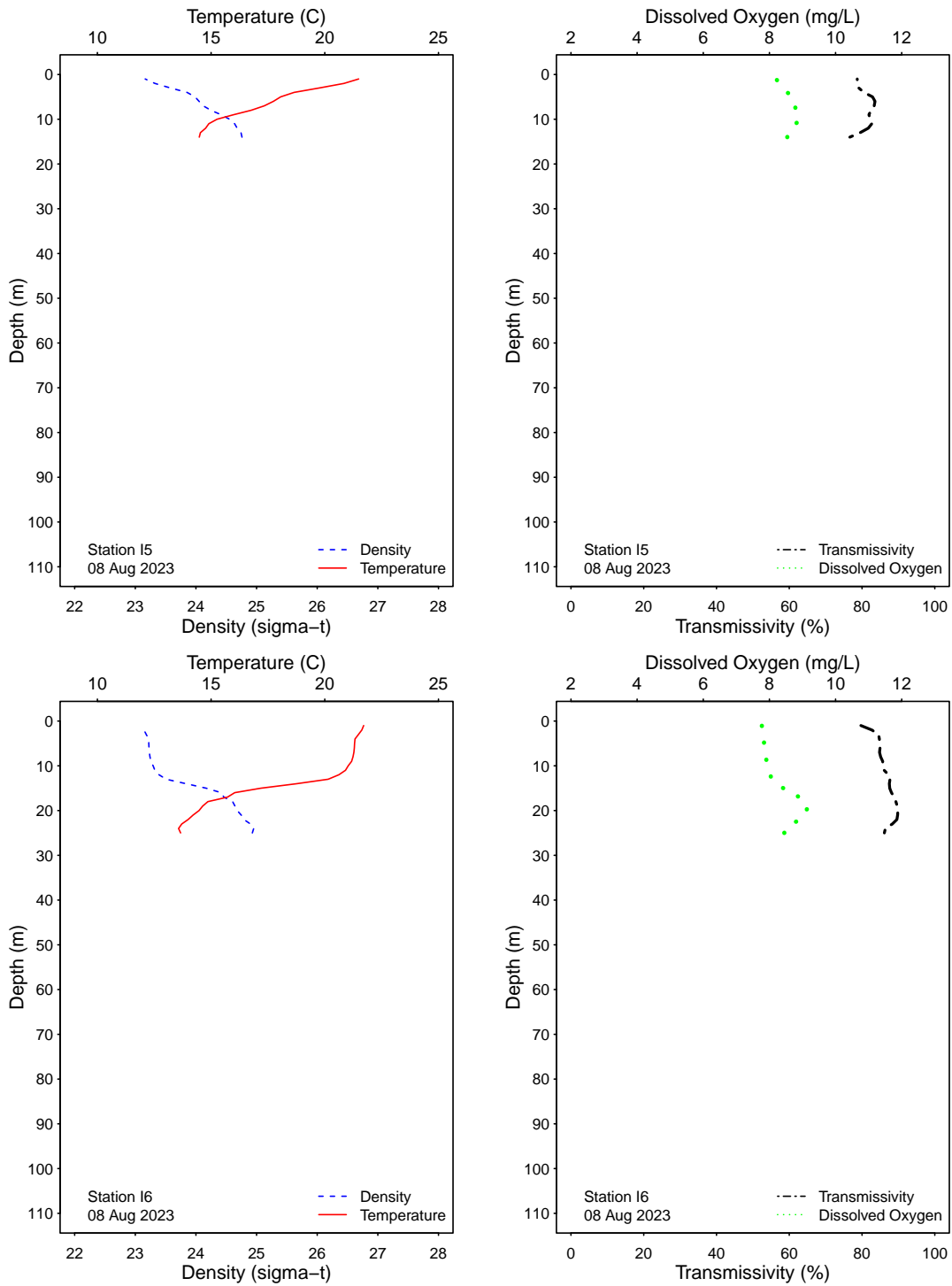


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

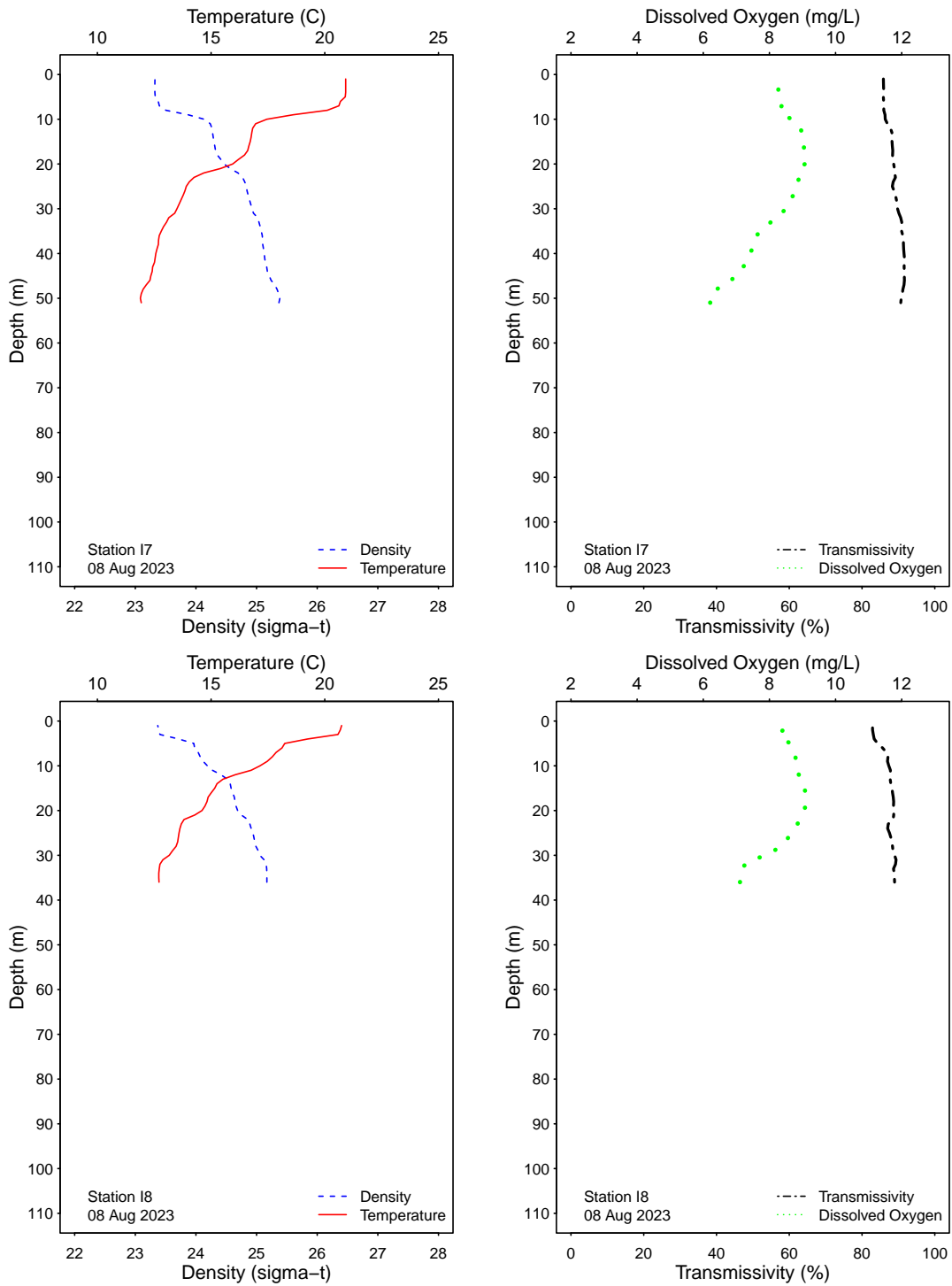


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

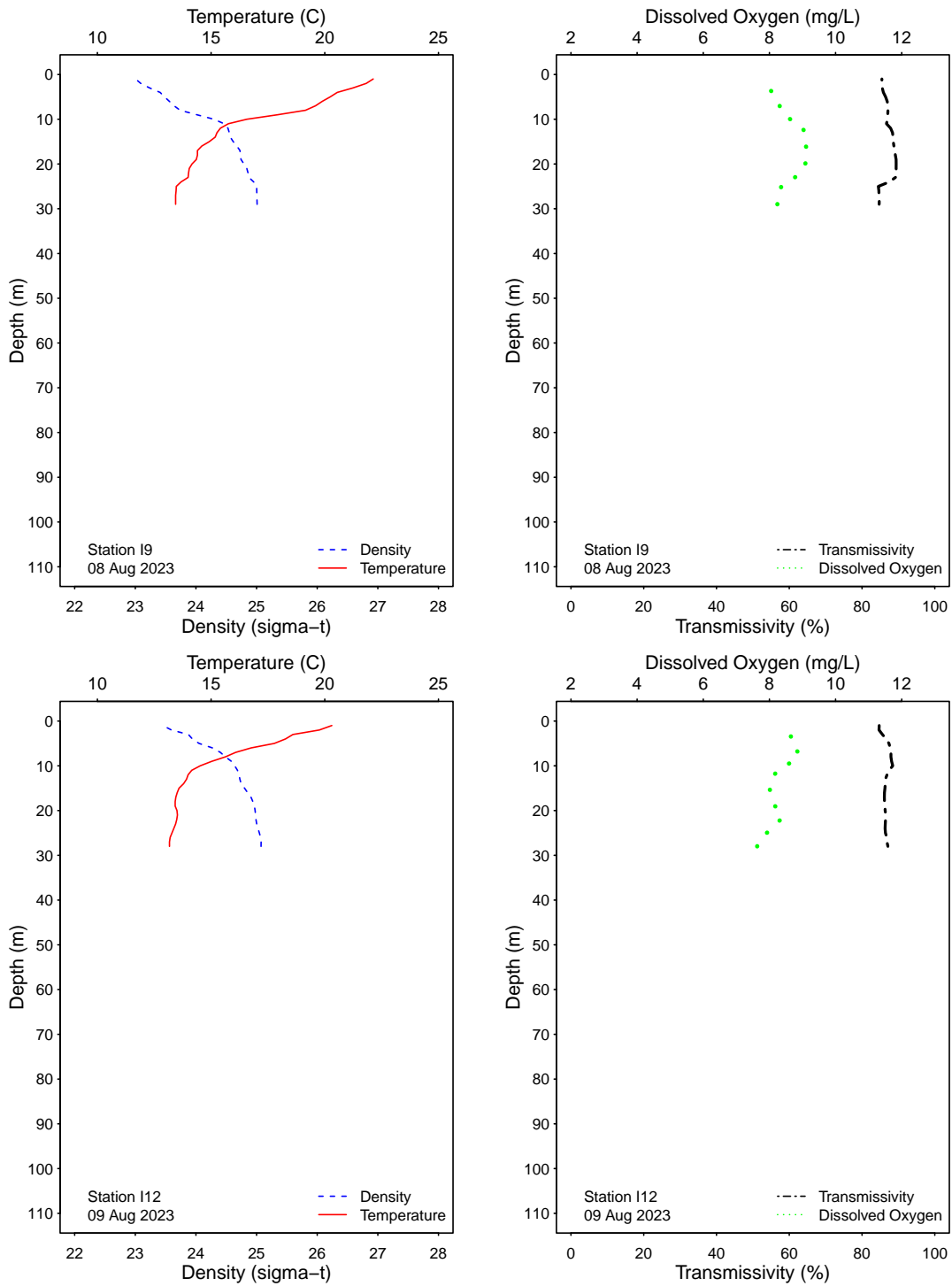


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

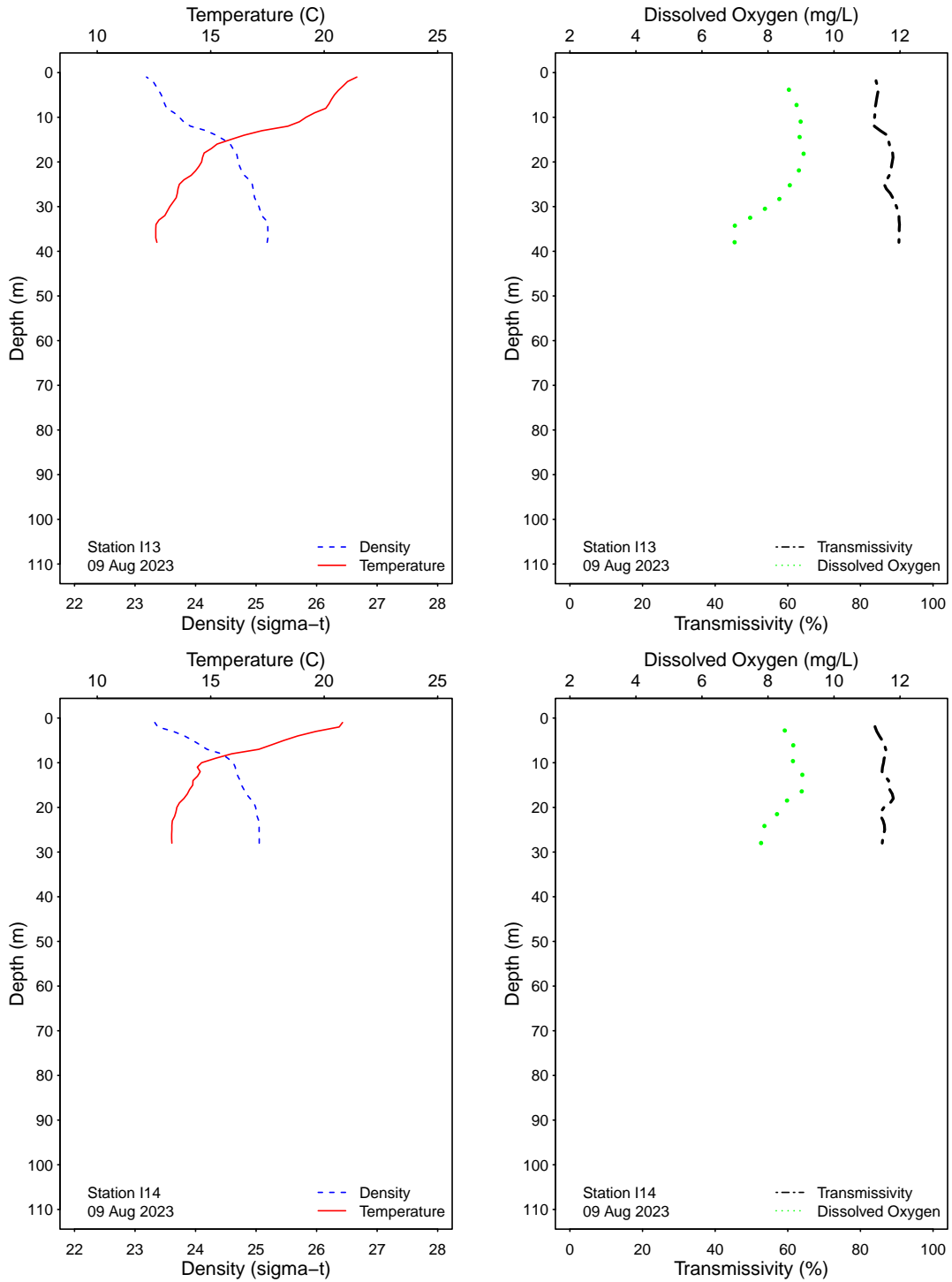


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

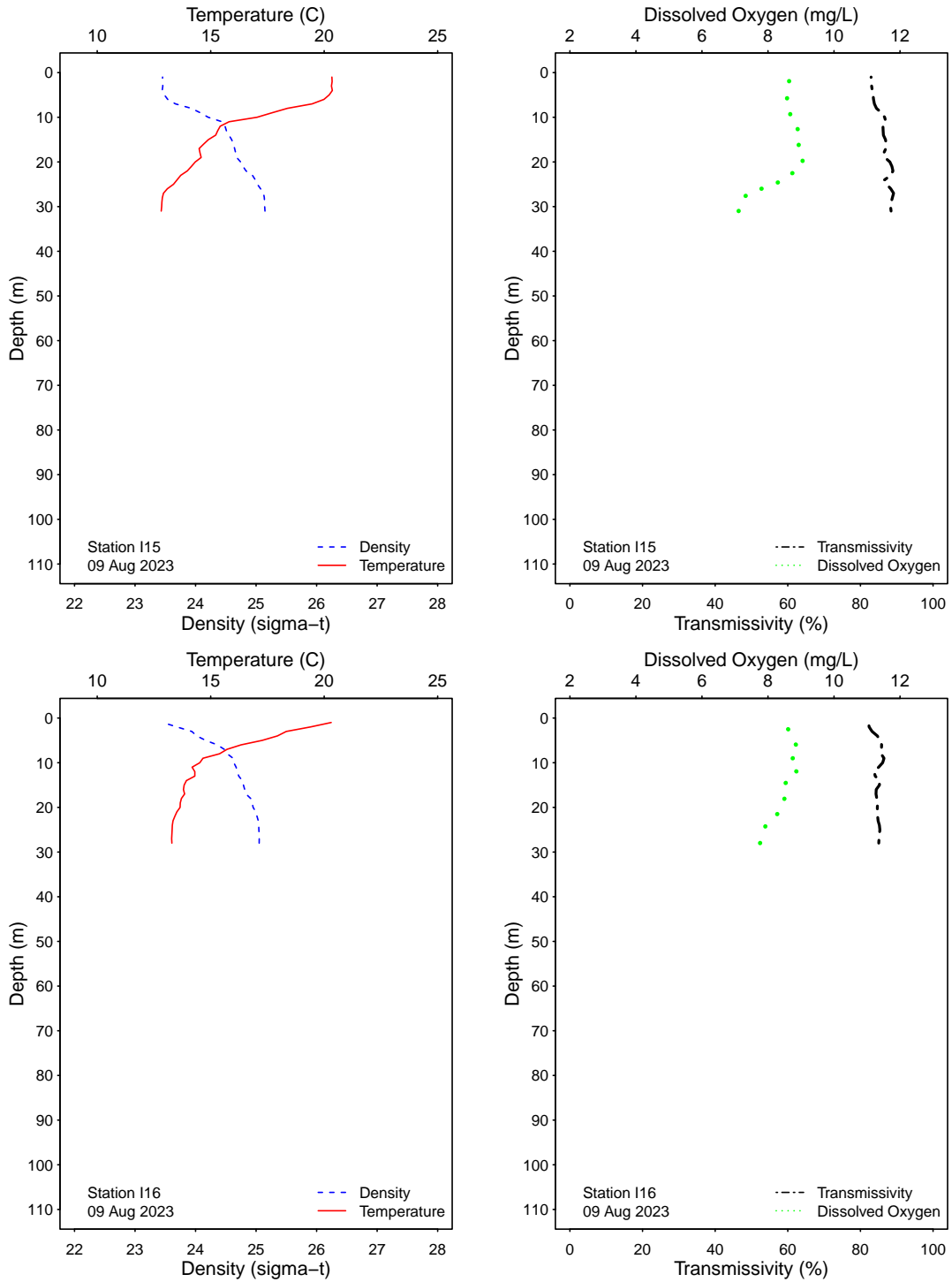


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

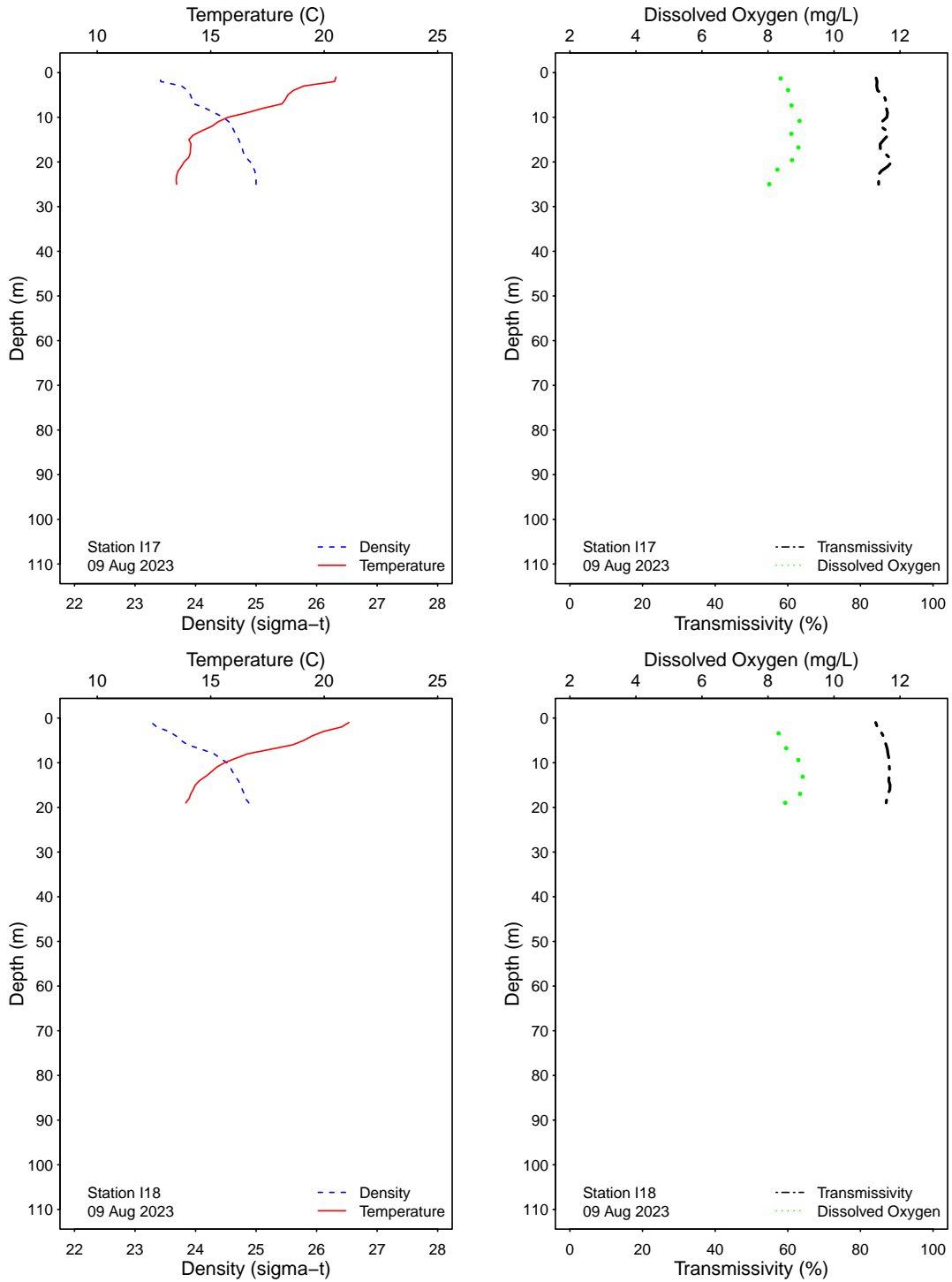


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

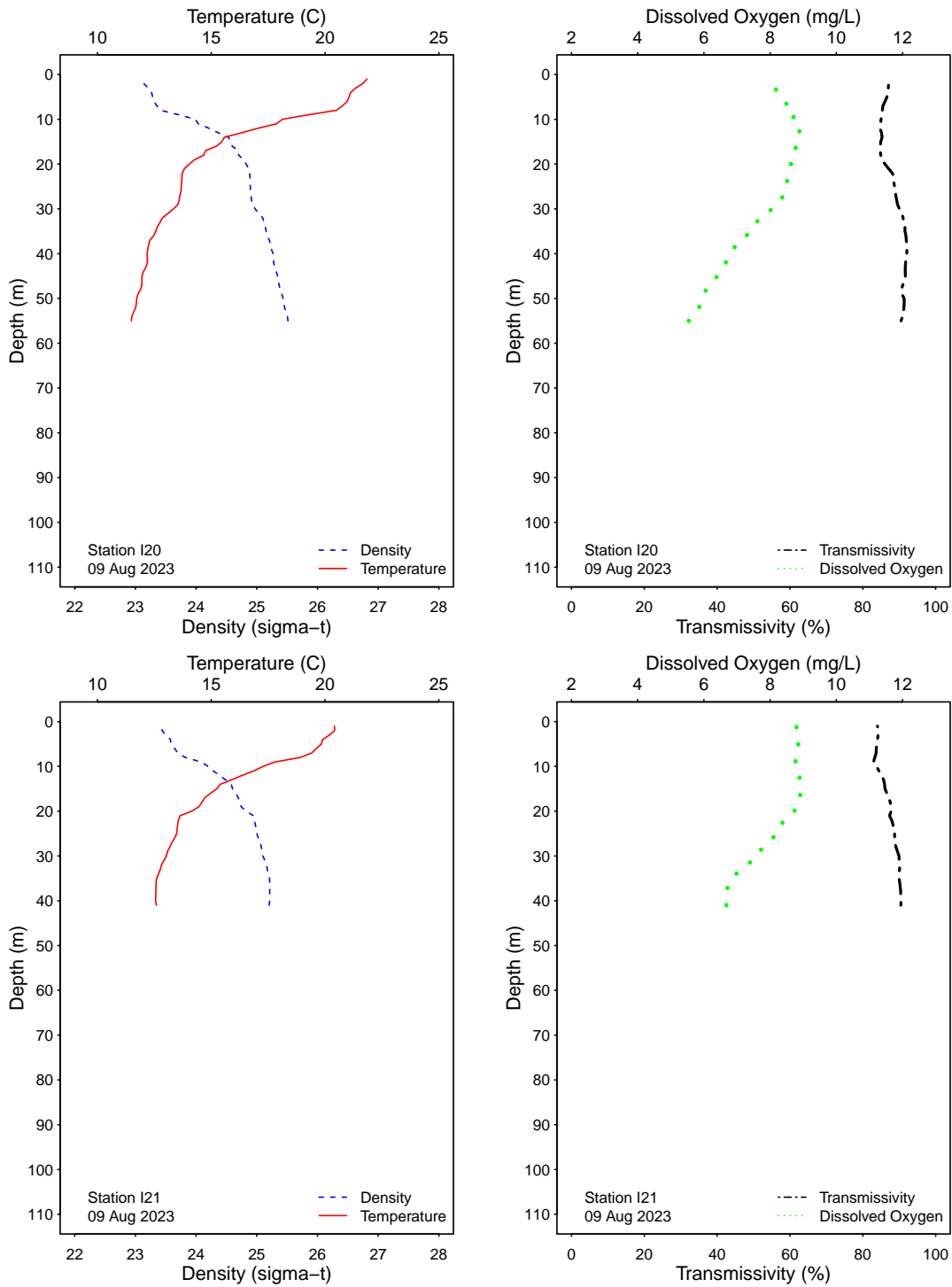


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

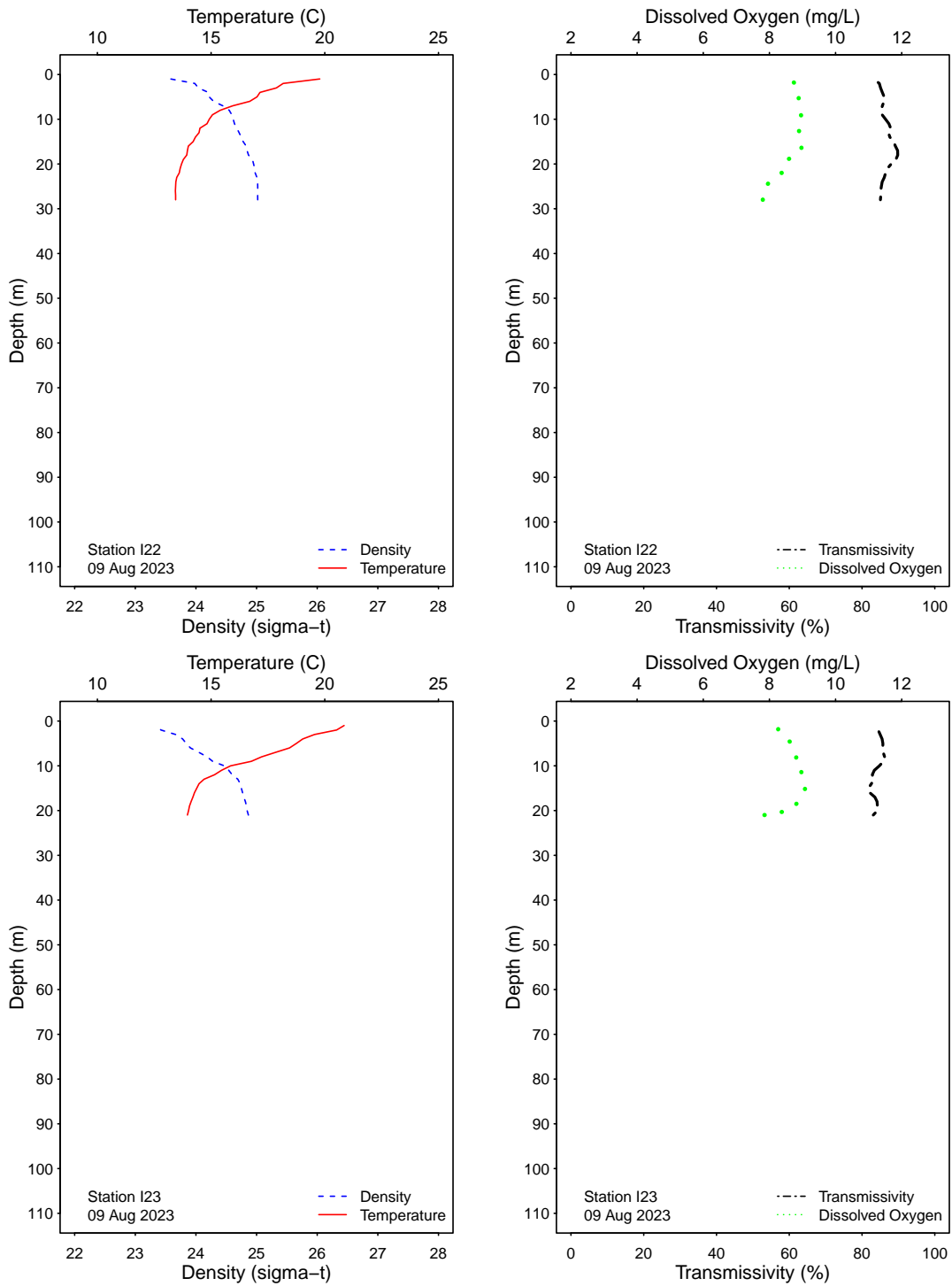


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

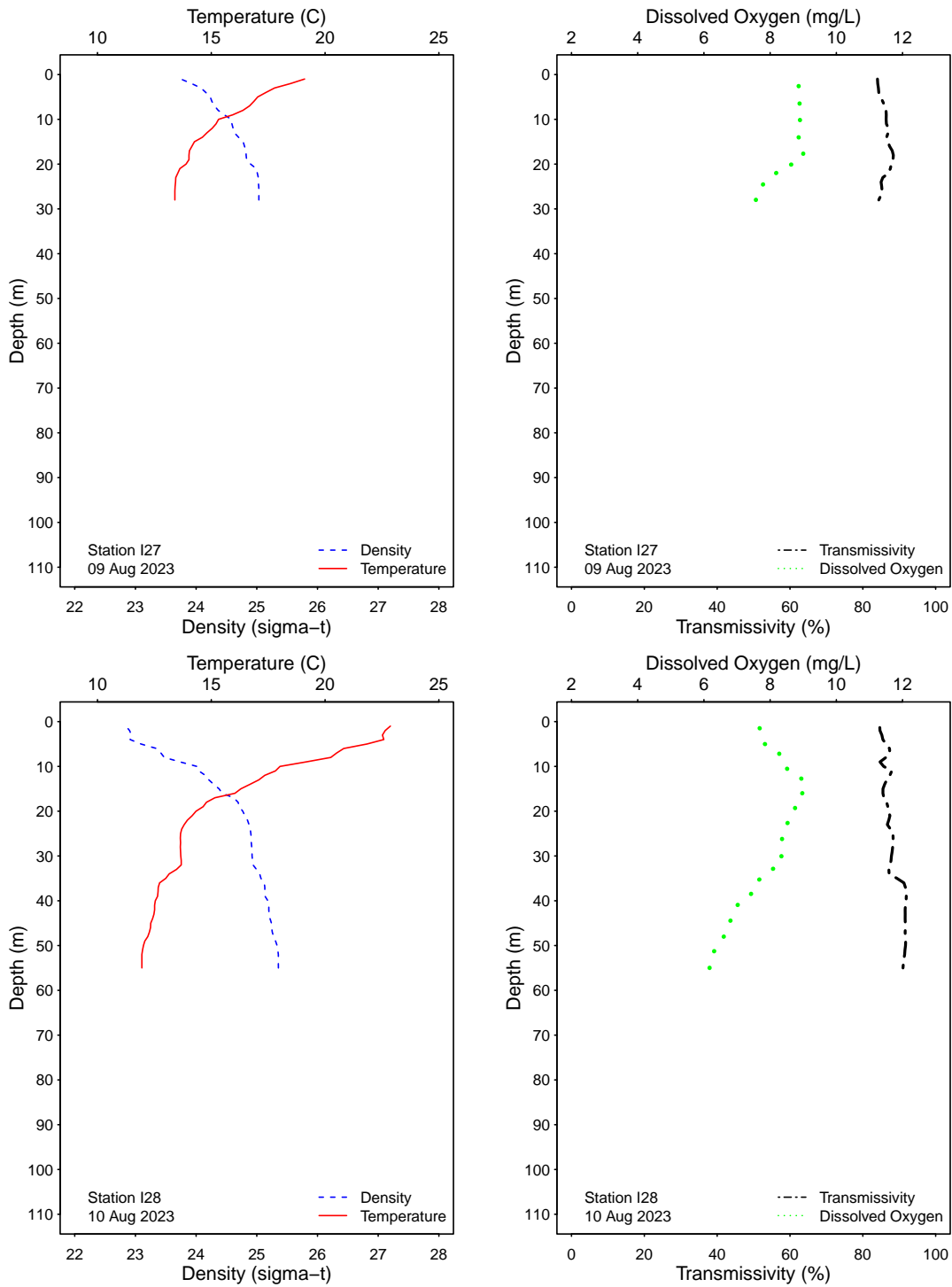


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

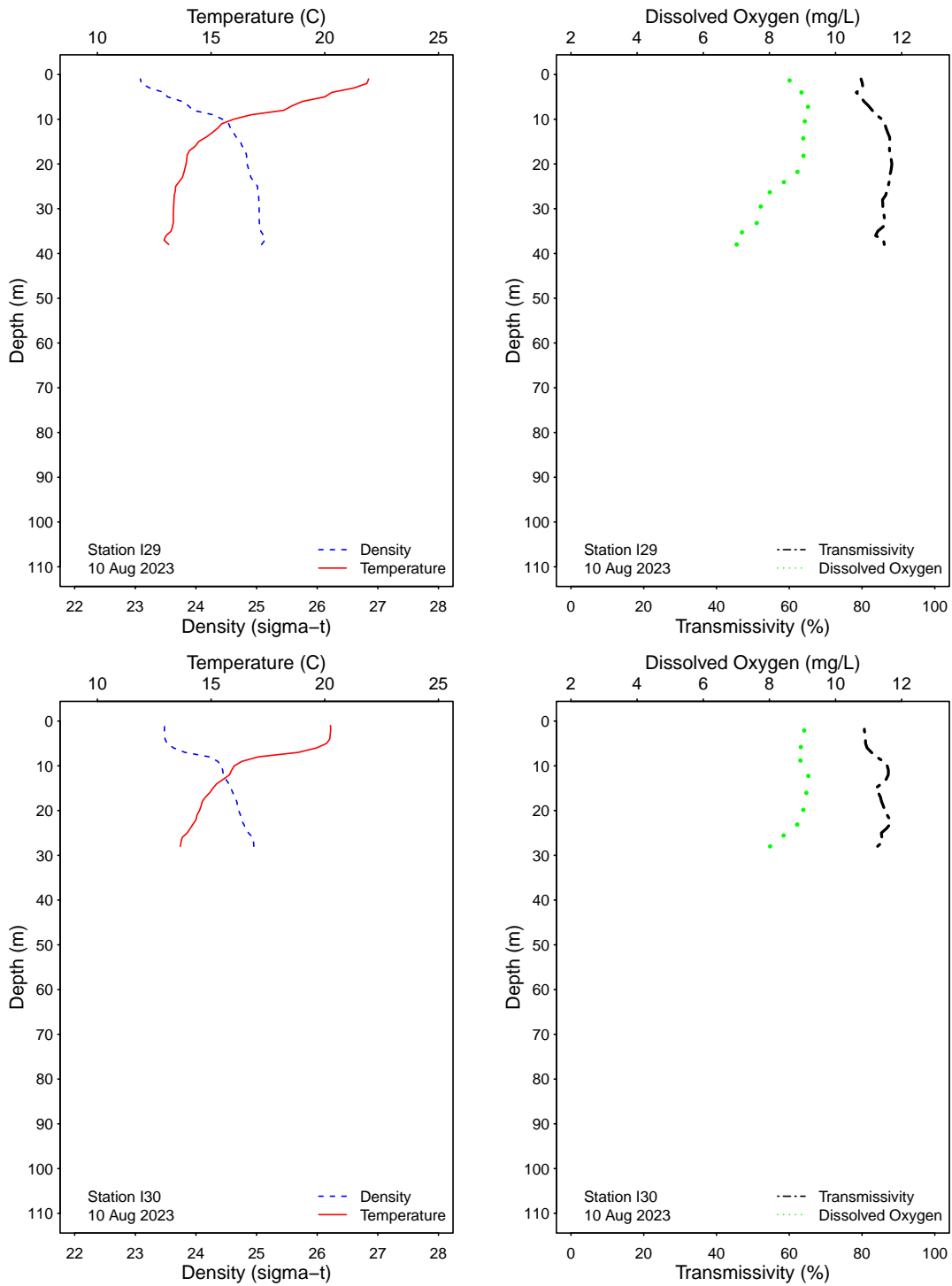


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

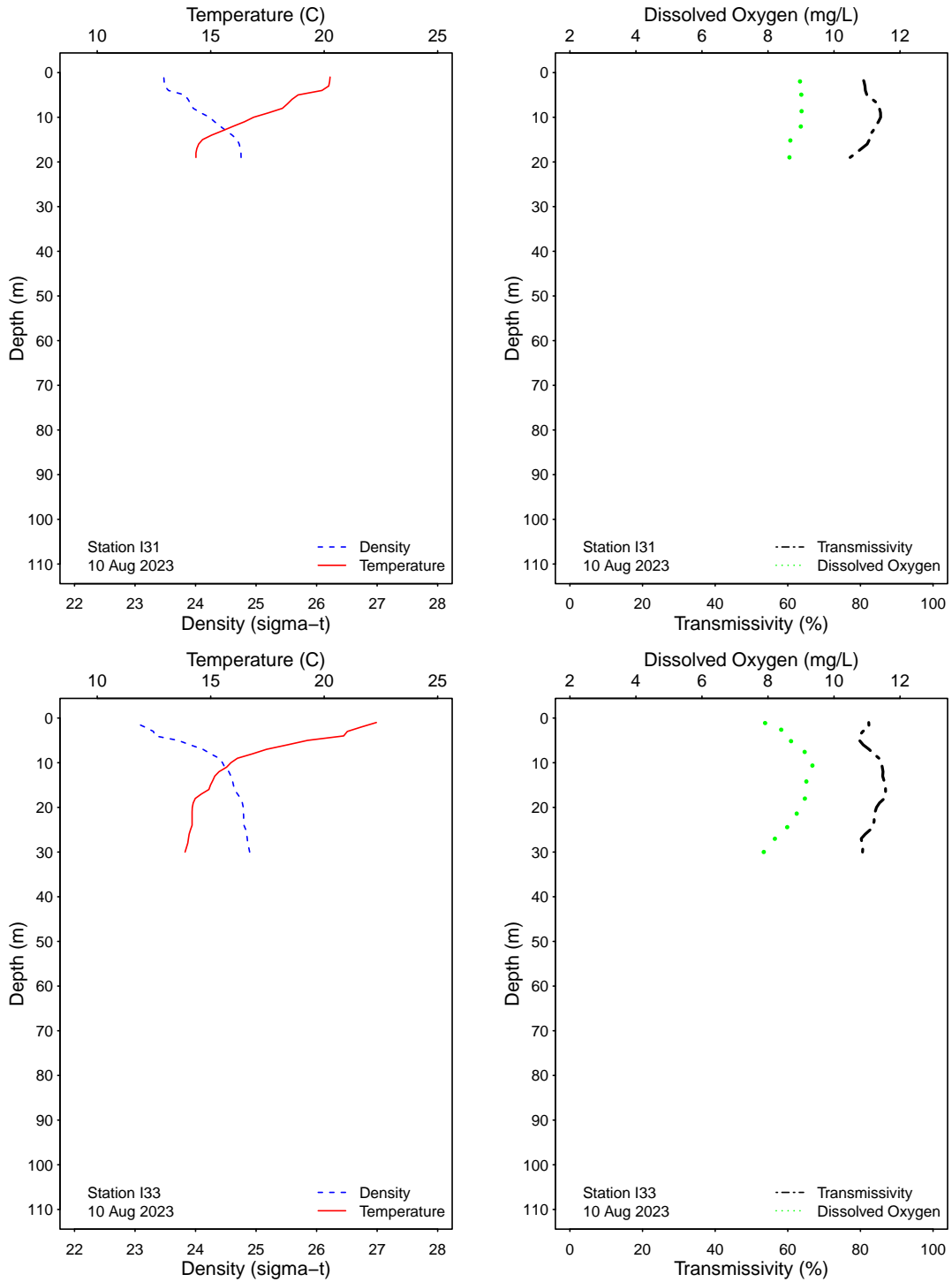


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

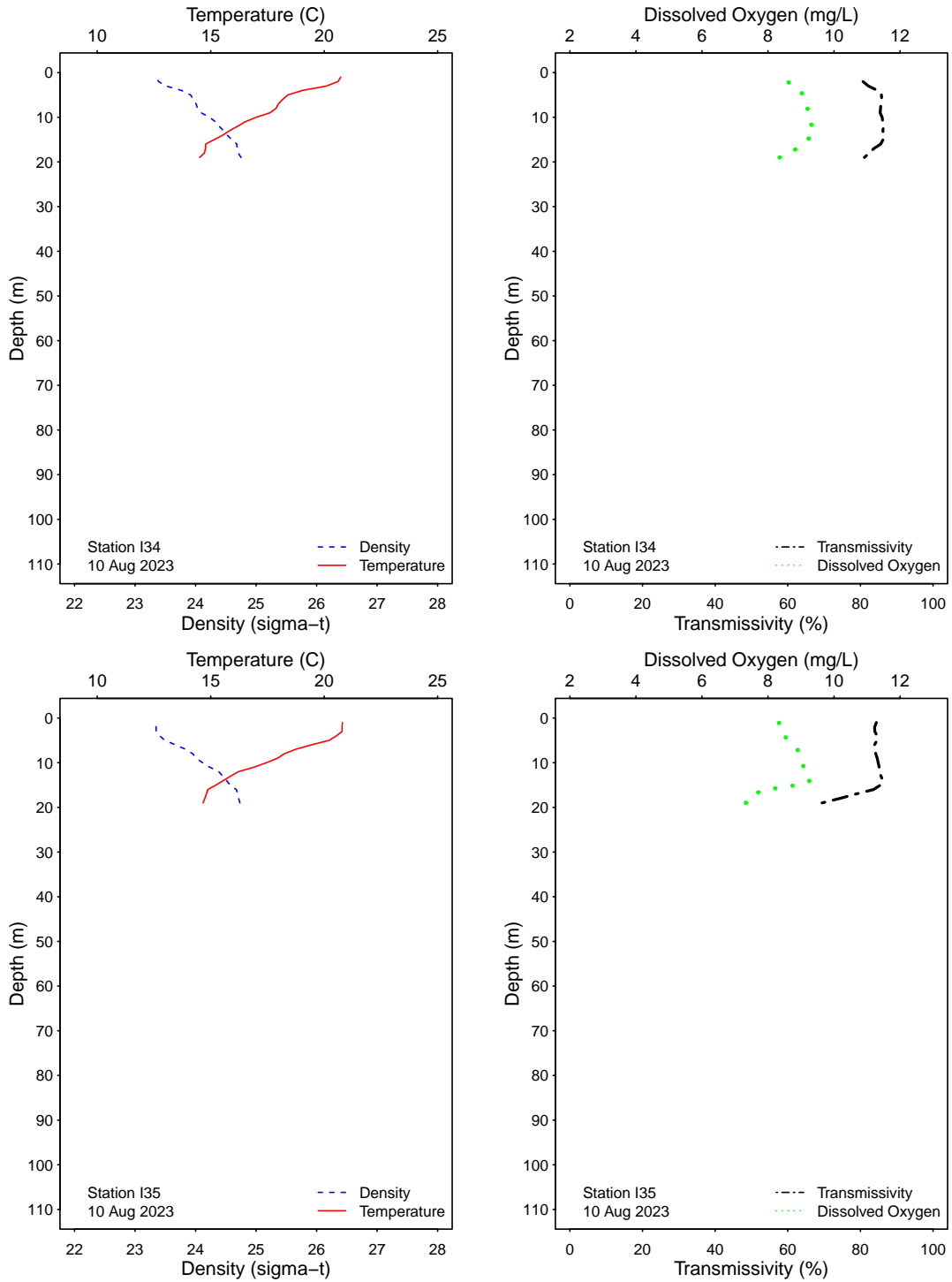


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

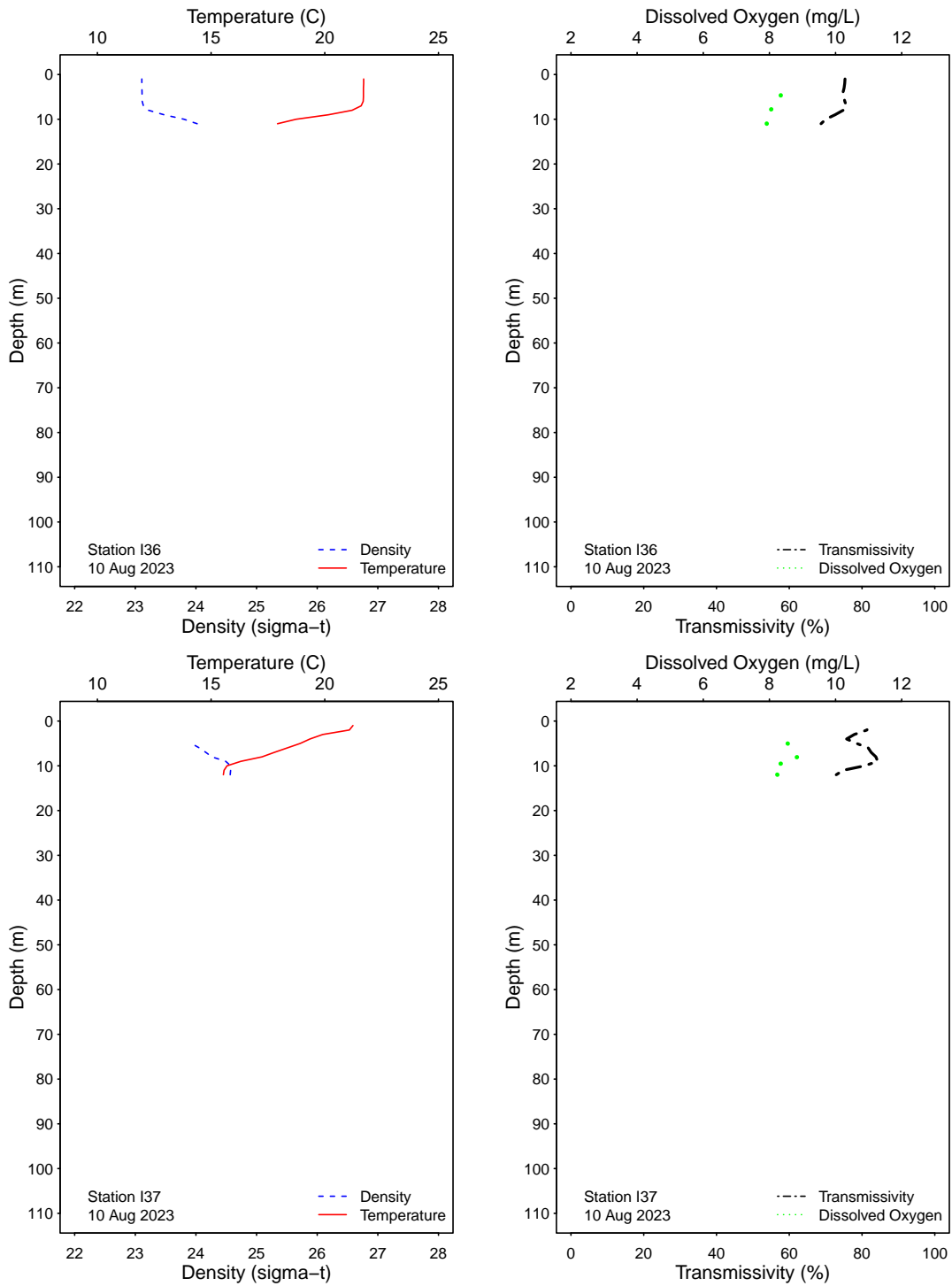


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

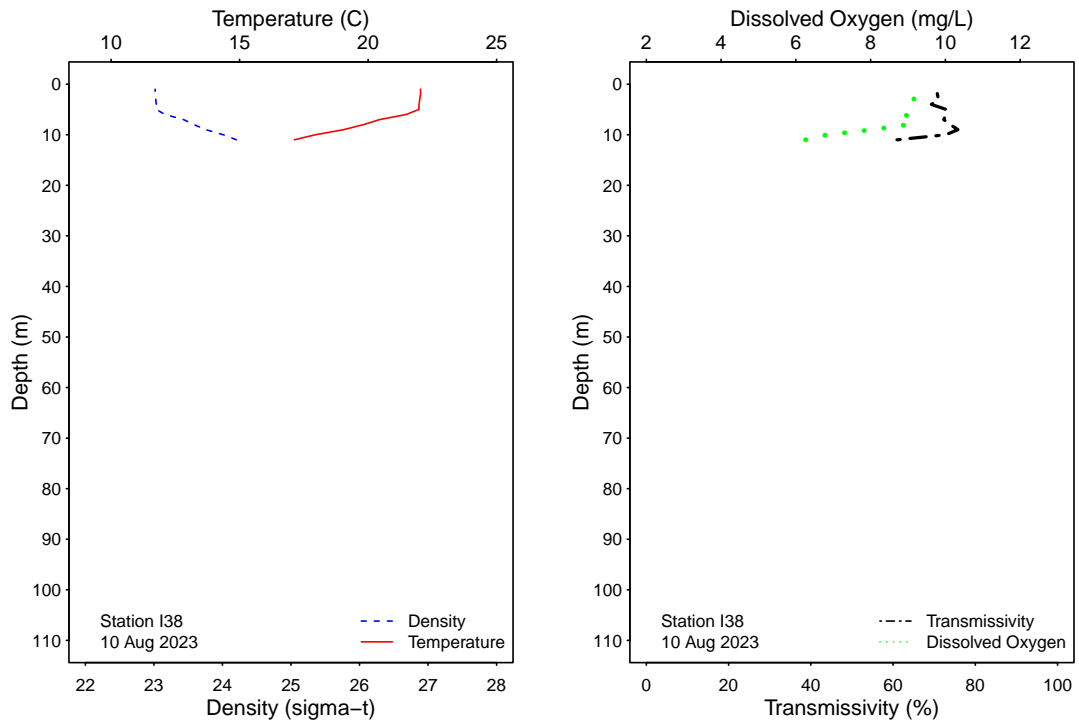


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

APPENDIX A

Quality Assurance

Table A.1

Summary of bacteriological quality assurance field and lab duplicate sample analyses at selected SBOO stations. Densities of total coliform (Total), fecal coliform (Fecal), and *Enterococcus* (Entero) are reported as CFU/100 mL.

Station	Date	Depth	Analyst	Procedure	Total	Fecal	Enterococcus
I3	08 Aug 2023	18	CRE	LAB DUPLICATE	<2	<2	<2
I8	08 Aug 2023	37	CRE	LAB DUPLICATE	<2	<2	<2
I9	08 Aug 2023	27	CRE	LAB DUPLICATE	<2	<2	<2
I12	09 Aug 2023	18	CRE	LAB DUPLICATE	1100	400	66
I13	09 Aug 2023	18	CRE	LAB DUPLICATE	<2	<2	<2
I16	09 Aug 2023	18	CRE	LAB DUPLICATE	420	70	18e
I19	04 Aug 2023	6	JF	LAB DUPLICATE	<20	<2	<2
I19	07 Aug 2023	6	WT	LAB DUPLICATE	<2	<2	<2
I19	14 Aug 2023	6	KT	LAB DUPLICATE	<20	<2	<2
I19	23 Aug 2023	6	KT	LAB DUPLICATE	400e	120e	40
I19	28 Aug 2023	6	KT	LAB DUPLICATE	<20	<2	<2
I30	10 Aug 2023	27	CRE	LAB DUPLICATE	<2	<2	<2
I36	10 Aug 2023	11	CRE	FIELD DUPLICATE	<20	<2	<2
I36	10 Aug 2023	11	CRE	LAB DUPLICATE	<20	<2	<2
I40	04 Aug 2023	6	JF	LAB DUPLICATE	<200	2e	4e
I40	07 Aug 2023	6	WT	LAB DUPLICATE	<20	<2	<2
I40	14 Aug 2023	6	KT	LAB DUPLICATE	20e	<2	10e
I40	23 Aug 2023	6	KT	LAB DUPLICATE	800e	240e	84
I40	28 Aug 2023	6	KT	LAB DUPLICATE	80e	4e	<2
S12	01 Aug 2023		KA	FIELD DUPLICATE	4800	220e	60e
S12	01 Aug 2023		KA	LAB DUPLICATE	3600e	280e	98
S12	08 Aug 2023		KT	FIELD DUPLICATE	440	2e	82
S12	08 Aug 2023		KT	LAB DUPLICATE	200e	6e	84
S12	15 Aug 2023		KT	FIELD DUPLICATE	1200e	80e	300e
S12	15 Aug 2023		KT	LAB DUPLICATE	800e	20e	340e
S12	22 Aug 2023		KA	FIELD DUPLICATE	>=16000	>12000	6800
S12	22 Aug 2023		KA	LAB DUPLICATE	>=16000	>12000	2600e
S12	29 Aug 2023		KT	FIELD DUPLICATE	>16000	>12000	4800
S12	29 Aug 2023		KT	LAB DUPLICATE	>16000	>12000	5400

ns = not sampled

ND = no data

