

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 2024

Environmental Monitoring and Technical Services
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September 30, 2024

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 2024 Monthly Receiving Waters Monitoring Report for the South Bay Ocean Outfall, South Bay Water Reclamation Plant as required per Order No. R9-2021-0011, NPDES Permit No. CA0109045.

This report includes raw ocean monitoring data and summaries of water quality parameters and ocean conditions measured during the month for the South Bay outfall region. Also included are summaries of compliance with the bacterial water-contact standards specified in the California Ocean Plan. These data are also presented in the monthly report submitted by the International Boundary and Water Commission, U.S. Section for discharge from the South Bay International Wastewater Treatment Plant (Order No. R9-2021-0001, NPDES Permit No. CA0108928).

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 weekly 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.

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 quarterly 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 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 chromomorphic 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 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

Shellfish Harvesting Standards

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.

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 2024 Quality Assurance Report, which will be completed in March 2025.

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, S10, S11, and S12.
 - The single sample maximum (SSM) standard for fecal coliforms was exceeded at stations S4, S5, S6, S10, and S11.
 - The 6-week running geometric mean standard for *Enterococcus* was exceeded at stations S4, S5, S6, S10, S11, and S12.
 - The statistical threshold value (STV) standard for *Enterococcus* was exceeded at stations S4, S5, S6, S9, S10, and S11.

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

- 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, S10, S11, and S12.
- A sewage-like odor was observed at stations S4, S5, S6, and S11 on one or more days in August.
- 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 5, 12, 20, and 27.
- During August, three 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 I19 and I40.
 - The 6-week running geometric mean standard for *Enterococcus* was exceeded at stations I19, I32, and I40.
 - The STV standard for *Enterococcus* was exceeded at station I40.
 - The 30-day running median standard for total coliforms was exceeded at stations I19, I32, and I40.
 - The STV standard for total coliforms was exceeded at stations I19 and I40.
- Water column temperatures ranged from 11.43 to 23.19°C. The difference between surface and bottom waters ranged from 3.75 to 8.54°C.
- Concentrations of chlorophyll *a* ranged from 0.17 to 14.15 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 6, 7, and 8).
- During August, each of the ten offshore stations located within State jurisdictional waters (i.e., I12, I14, I16, I18, I22, I23, I33, I36–I38) was in compliance with the various 2019 Ocean Plan water contact standards.
- Water column temperatures ranged from 10.62 to 21.31°C at the offshore sites. The difference between surface and bottom waters ranged from 5.04 to 10.69°C.
- Chlorophyll *a* concentrations ranged from 0.09 to 45.32 µg/L at the offshore sites.
- Nothing of sewage origin was observed at SBOO offshore stations in August.
- CDOM data are available upon request.



TABLES AND FIGURES

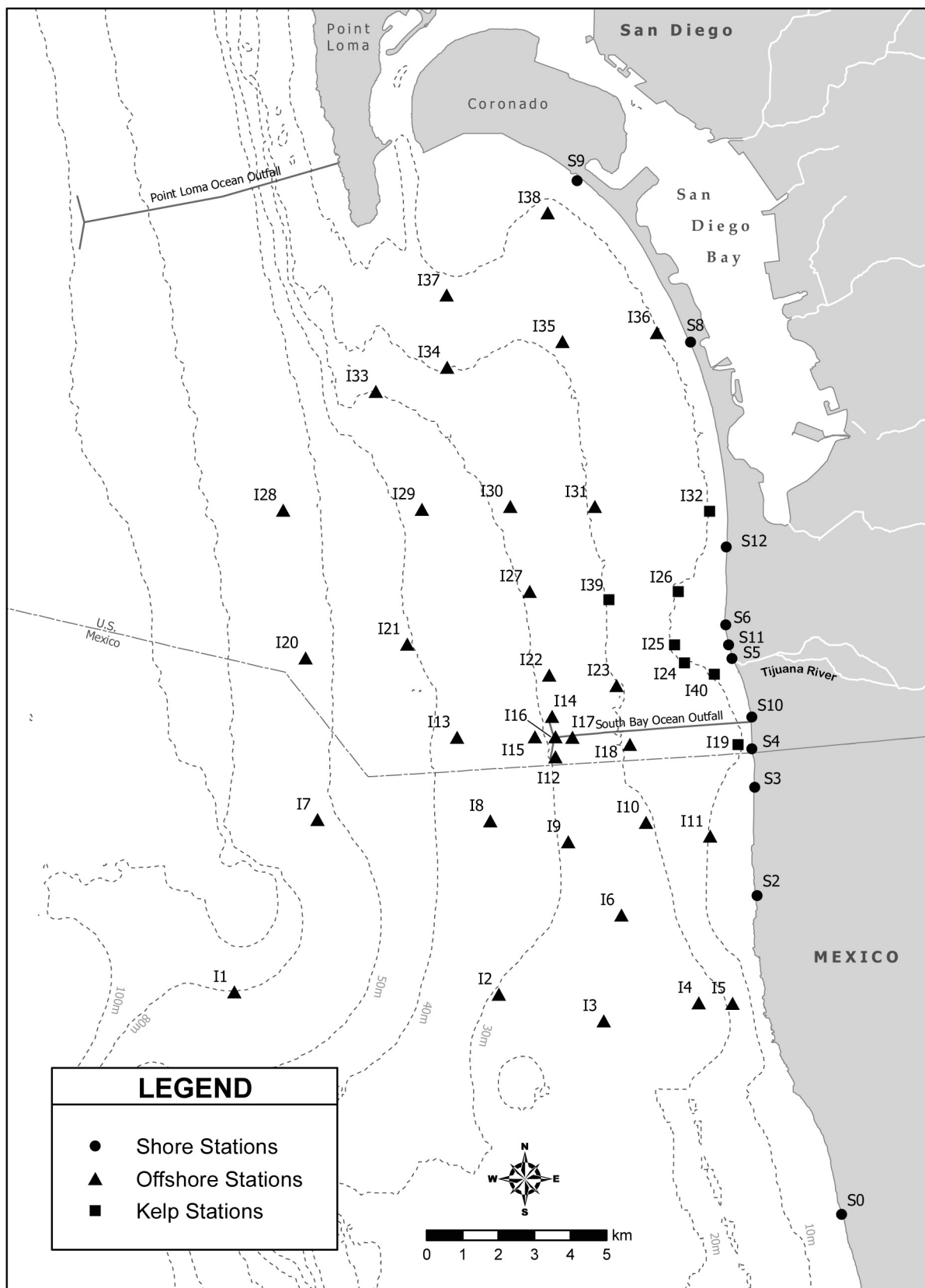


Figure 1.1 Station Map

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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 2024	*155	*10255	*2741	*2	*6	*631	*4916	*937
02 Aug 2024	*155	*10255	*2741	*2	*6	*631	*4916	*937
03 Aug 2024	*155	*10255	*2741	*2	*6	*631	*4916	*937
04 Aug 2024	*155	*10255	*2741	*2	*6	*631	*4916	*937
05 Aug 2024	*155	*10255	*2741	*2	*6	*631	*4916	*937
06 Aug 2024	90	7072	2985	2	6	286	5419	434
07 Aug 2024	90	7072	2985	2	6	286	5419	434
08 Aug 2024	*36	*6197	*2108	*2	*3	*115	*4442	*206
09 Aug 2024	*36	*6197	*2108	*2	*3	*115	*4442	*206
10 Aug 2024	*36	*6197	*2108	*2	*3	*115	*4442	*206
11 Aug 2024	*36	*6197	*2108	*2	*3	*115	*4442	*206
12 Aug 2024	*36	*6197	*2108	*2	*3	*115	*4442	*206
13 Aug 2024	20	7072	1188	2	3	59	3015	161
14 Aug 2024	20	7072	1188	2	3	59	3015	161
15 Aug 2024	*13	*6197	*2029	*2	*3	*22	*2377	*482
16 Aug 2024	*13	*6197	*2029	*2	*3	*22	*2377	*482
17 Aug 2024	*13	*6197	*2029	*2	*3	*22	*2377	*482
18 Aug 2024	*13	*6197	*2029	*2	*3	*22	*2377	*482
19 Aug 2024	*13	*6197	*2029	*2	*3	*22	*2377	*482
20 Aug 2024	11	2596	584	2	6	19	577	185
21 Aug 2024	11	2596	584	2	6	19	577	185
22 Aug 2024	*7	*2072	*274	*3	*8	*14	*270	*79
23 Aug 2024	*7	*2072	*274	*3	*8	*14	*270	*79
24 Aug 2024	*7	*2072	*274	*3	*8	*14	*270	*79
25 Aug 2024	*7	*2072	*274	*3	*8	*14	*270	*79
26 Aug 2024	*7	*2072	*274	*3	*8	*14	*270	*79
27 Aug 2024	24	2944	118	2	6	53	317	38
28 Aug 2024	24	2944	118	2	6	53	317	38
29 Aug 2024	*24	*2072	*53	*3	*7	*51	*280	*10
30 Aug 2024	*24	*2072	*53	*3	*7	*51	*280	*10
31 Aug 2024	*24	*2072	*53	*3	*7	*51	*280	*10

* 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
06 Aug 2024	IC	E	E	IC	IC	IC	E	IC
13 Aug 2024	IC	E	IC	IC	IC	IC	E	IC
20 Aug 2024	IC	IC	IC	IC	IC	IC	IC	IC
27 Aug 2024	E	E	IC	IC	IC	E	E	IC

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 2024	66	7926	2416	4	3	167	3656	605
02 Aug 2024	66	7926	2416	4	3	167	3656	605
03 Aug 2024	66	7926	2416	4	3	167	3656	605
04 Aug 2024	66	7926	2416	4	3	167	3656	605
05 Aug 2024	66	7926	2416	4	3	167	3656	605
06 Aug 2024	46	4635	2060	3	3	172	3239	175
07 Aug 2024	46	4635	2060	3	3	172	3239	175
08 Aug 2024	46	4635	2060	3	3	172	3239	175
09 Aug 2024	46	4635	2060	3	3	172	3239	175
10 Aug 2024	46	4635	2060	3	3	172	3239	175
11 Aug 2024	46	4635	2060	3	3	172	3239	175
12 Aug 2024	46	4635	2060	3	3	172	3239	175
13 Aug 2024	37	5439	2080	3	4	116	4037	200
14 Aug 2024	37	5439	2080	3	4	116	4037	200
15 Aug 2024	37	5439	2080	3	4	116	4037	200
16 Aug 2024	37	5439	2080	3	4	116	4037	200
17 Aug 2024	37	5439	2080	3	4	116	4037	200
18 Aug 2024	37	5439	2080	3	4	116	4037	200
19 Aug 2024	37	5439	2080	3	4	116	4037	200
20 Aug 2024	14	2488	829	2	7	47	1193	50
21 Aug 2024	14	2488	829	2	7	47	1193	50
22 Aug 2024	14	2488	829	2	7	47	1193	50
23 Aug 2024	14	2488	829	2	7	47	1193	50
24 Aug 2024	14	2488	829	2	7	47	1193	50
25 Aug 2024	14	2488	829	2	7	47	1193	50
26 Aug 2024	14	2488	829	2	7	47	1193	50
27 Aug 2024	21	2488	419	2	7	64	908	50
28 Aug 2024	21	2488	419	2	7	64	908	50
29 Aug 2024	21	2488	419	2	7	64	908	50
30 Aug 2024	21	2488	419	2	7	64	908	50
31 Aug 2024	21	2488	419	2	7	64	908	50

* 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	IC	E	E	E	IC

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 2024	*510	*16000	*16000	*110	*200	*8130	*16000	*16000
02 Aug 2024	*510	*16000	*16000	*110	*200	*8130	*16000	*16000
03 Aug 2024	*510	*16000	*16000	*110	*200	*8130	*16000	*16000
04 Aug 2024	*510	*16000	*16000	*110	*200	*8130	*16000	*16000
05 Aug 2024	*510	*16000	*16000	*110	*200	*8130	*16000	*16000
06 Aug 2024	420	16000	16000	20	200	260	16000	16000
07 Aug 2024	420	16000	16000	20	200	260	16000	16000
08 Aug 2024	*260	*16000	*16000	*110	*200	*230	*16000	*8100
09 Aug 2024	*260	*16000	*16000	*110	*200	*230	*16000	*8100
10 Aug 2024	*260	*16000	*16000	*110	*200	*230	*16000	*8100
11 Aug 2024	*260	*16000	*16000	*110	*200	*230	*16000	*8100
12 Aug 2024	*260	*16000	*16000	*110	*200	*230	*16000	*8100
13 Aug 2024	100	16000	16000	20	200	200	16000	400
14 Aug 2024	100	16000	16000	20	200	200	16000	400
15 Aug 2024	*70	*16000	*16000	*20	*200	*200	*10600	*8200
16 Aug 2024	*70	*16000	*16000	*20	*200	*200	*10600	*8200
17 Aug 2024	*70	*16000	*16000	*20	*200	*200	*10600	*8200
18 Aug 2024	*70	*16000	*16000	*20	*200	*200	*10600	*8200
19 Aug 2024	*70	*16000	*16000	*20	*200	*200	*10600	*8200
20 Aug 2024	100	16000	16000	20	200	200	5200	400
21 Aug 2024	100	16000	16000	20	200	200	5200	400
22 Aug 2024	*70	*10600	*8270	*20	*200	*200	*5000	*300
23 Aug 2024	*70	*10600	*8270	*20	*200	*200	*5000	*300
24 Aug 2024	*70	*10600	*8270	*20	*200	*200	*5000	*300
25 Aug 2024	*70	*10600	*8270	*20	*200	*200	*5000	*300
26 Aug 2024	*70	*10600	*8270	*20	*200	*200	*5000	*300
27 Aug 2024	100	16000	540	20	200	200	5200	200
28 Aug 2024	100	16000	540	20	200	200	5200	200
29 Aug 2024	*220	*10600	*370	*110	*200	*200	*10400	*140
30 Aug 2024	*220	*10600	*370	*110	*200	*200	*10400	*140
31 Aug 2024	*220	*10600	*370	*110	*200	*200	*10400	*140

* 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 month.

Date	S4	S5	S6	S8	S9	S10	S11	S12
August	E	E	E	IC	IC	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 fecal coliform (Fecal) and *Enterococcus* (Entero) are reported as CFU/100 mL. Comments follow the data summary.

Station	Date	Time	Total	Fecal	Entero
S0	06 Aug 2024	825	>16000	8600	2800e
S0	13 Aug 2024	855	>16000	5000	2000e
S0	20 Aug 2024	840	4000	1100	1200
S0	27 Aug 2024	955	>16000	>12000	>12000
S10	06 Aug 2024	848	120e	12e	46
S10	13 Aug 2024	836	<200	4e	10e
S10	20 Aug 2024	1152	<200	12e	14e
S10	27 Aug 2024	835	>16000	>12000	11000
S11	06 Aug 2024	1003	>16000	8000	5800
S11	13 Aug 2024	1015	4800	640	1200
S11	20 Aug 2024	1238	<200	<2	8e
S11	27 Aug 2024	1018	>16000	600e	700
S12	06 Aug 2024	819	80e	20e	2e
S12	13 Aug 2024	1040	400e	60e	94
S12	20 Aug 2024	952	<200	4e	<2
S12	27 Aug 2024	1045	<20	2e	2e
S2	06 Aug 2024	935	<20	4e	<2
S2	13 Aug 2024	950	10e	4e	<2
S2	20 Aug 2024	950	100e	4e	14e
S2	27 Aug 2024	1110	260e	2e	80
S3	06 Aug 2024	910	400e	60e	52
S3	13 Aug 2024	930	20e	<20	<20
S3	20 Aug 2024	920	600e	460	300e
S3	27 Aug 2024	1035	5400	110	460
S4	06 Aug 2024	858	40e	10e	56
S4	13 Aug 2024	856	<20	<2	<2
S4	20 Aug 2024	1137	400e	4e	<2
S4	27 Aug 2024	857	>16000	4200	3000e
S5	06 Aug 2024	949	5200	1600e	480
S5	13 Aug 2024	955	>16000	>12000	>12000
S5	20 Aug 2024	1250	1000e	80e	110
S5	27 Aug 2024	958	>16000	>12000	>12000
S6	06 Aug 2024	1013	>16000	4200	4600
S6	13 Aug 2024	1026	540	120e	340e
S6	20 Aug 2024	1019	<20	4e	48
S6	27 Aug 2024	1030	<200	4e	2e
S8	06 Aug 2024	839	<20	<2	<2
S8	13 Aug 2024	1101	<20	<2	<2
S8	20 Aug 2024	902	<200	6e	6e
S8	27 Aug 2024	1104	<200	<2	<2
S9	06 Aug 2024	909	<200	8e	4e
S9	13 Aug 2024	1120	<200	<2	12e
S9	20 Aug 2024	834	<200	66	200e
S9	27 Aug 2024	1124	<200	<2	<2

ns = not sampled
 ND = no data

Comments

date	station	depth	parmcode	comments
06-Aug-2024	S2			QC for Entero analysis had bact. growth on non-selective media, and none on selective media. Thus, sample results not believed to be affected
06-Aug-2024	S3			QC for Entero analysis had bact. growth on non-selective media, and none on selective media. Thus, sample results not believed to be affected
06-Aug-2024	S0			QC for Entero analysis had bact. growth on non-selective media, and none on selective media. Thus, sample results not believed to be affected

Table 2.8

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

Station	Date	Parameter	Value
S0	06 Aug 2024	Arrive Time	825
S0	06 Aug 2024	Wind Speed (kts)	0
S0	06 Aug 2024	Wind Dir	XX
S0	06 Aug 2024	Animal Life	Seagull-20;
S0	06 Aug 2024	Floatables	None
S0	06 Aug 2024	Current Direction	S
S0	06 Aug 2024	Water Temp (C)	14
S0	06 Aug 2024	High Tide Time	1127
S0	06 Aug 2024	Low Tide Time	516
S0	06 Aug 2024	Comments	Water turbid; Trash-0; Kelp;Algae; 2.0 L/sec water flowing from storm drain
S0	13 Aug 2024	Arrive Time	855
S0	13 Aug 2024	Wind Speed (kts)	1.1
S0	13 Aug 2024	Wind Dir	S
S0	13 Aug 2024	Animal Life	Dog-3; Seagull-20;
S0	13 Aug 2024	Floatables	None
S0	13 Aug 2024	Current Direction	S
S0	13 Aug 2024	Water Temp (C)	15
S0	13 Aug 2024	High Tide Time	1618
S0	13 Aug 2024	Low Tide Time	
S0	13 Aug 2024	Comments	Water turbid; Trash-0; Kelp;Algae; 1.0 L/sec water flowing from storm drain
S0	20 Aug 2024	Arrive Time	840
S0	20 Aug 2024	Wind Speed (kts)	1.1
S0	20 Aug 2024	Wind Dir	NE
S0	20 Aug 2024	Animal Life	Dog-5; Seagull-20;
S0	20 Aug 2024	Floatables	None
S0	20 Aug 2024	Current Direction	S
S0	20 Aug 2024	Water Temp (C)	15
S0	20 Aug 2024	High Tide Time	1031
S0	20 Aug 2024	Low Tide Time	426
S0	20 Aug 2024	Comments	Water turbid; Trash-1; Algae;Kelp; 1.0 L/sec water flowing from storm drain
S0	27 Aug 2024	Arrive Time	955
S0	27 Aug 2024	Wind Speed (kts)	1.3
S0	27 Aug 2024	Wind Dir	NE
S0	27 Aug 2024	Animal Life	Dog-2; Seagull-10;
S0	27 Aug 2024	Floatables	None
S0	27 Aug 2024	Current Direction	N
S0	27 Aug 2024	Water Temp (C)	19
S0	27 Aug 2024	High Tide Time	646
S0	27 Aug 2024	Low Tide Time	1002
S0	27 Aug 2024	Comments	Water clear; Trash-0; Kelp;Algae; Person/Walker/Jogger-6; 0.5 L/sec water flowing from storm drain
S2	06 Aug 2024	Arrive Time	935
S2	06 Aug 2024	Wind Speed (kts)	1.1
S2	06 Aug 2024	Wind Dir	S
S2	06 Aug 2024	Animal Life	Dog-10; Seagull-20;
S2	06 Aug 2024	Floatables	None
S2	06 Aug 2024	Current Direction	S
S2	06 Aug 2024	Water Temp (C)	15
S2	06 Aug 2024	High Tide Time	1127

Station	Date	Parameter	Value
S2	06 Aug 2024	Low Tide Time	516
S2	06 Aug 2024	Comments	Water turbid; Trash-0; Algae;Kelp; No water flow from storm drain
S2	13 Aug 2024	Arrive Time	950
S2	13 Aug 2024	Wind Speed (kts)	1.1
S2	13 Aug 2024	Wind Dir	S
S2	13 Aug 2024	Animal Life	Dog-7; Seagull-20;
S2	13 Aug 2024	Floatables	None
S2	13 Aug 2024	Current Direction	N
S2	13 Aug 2024	Water Temp (C)	15
S2	13 Aug 2024	High Tide Time	1618
S2	13 Aug 2024	Low Tide Time	
S2	13 Aug 2024	Comments	Water turbid; Trash-0; Kelp;Algae; No water flow from storm drain
S2	20 Aug 2024	Arrive Time	950
S2	20 Aug 2024	Wind Speed (kts)	1.6
S2	20 Aug 2024	Wind Dir	NE
S2	20 Aug 2024	Animal Life	Dog-3; Seagull-20;
S2	20 Aug 2024	Floatables	20 items but no-description on the document
S2	20 Aug 2024	Current Direction	S
S2	20 Aug 2024	Water Temp (C)	15
S2	20 Aug 2024	High Tide Time	1031
S2	20 Aug 2024	Low Tide Time	426
S2	20 Aug 2024	Comments	Water turbid; Trash-0; Kelp;Algae; No water flow from storm drain
S2	27 Aug 2024	Arrive Time	1110
S2	27 Aug 2024	Wind Speed (kts)	1.6
S2	27 Aug 2024	Wind Dir	NE
S2	27 Aug 2024	Animal Life	Dog-4; Seagull-10;
S2	27 Aug 2024	Floatables	None
S2	27 Aug 2024	Current Direction	N
S2	27 Aug 2024	Water Temp (C)	19
S2	27 Aug 2024	High Tide Time	646
S2	27 Aug 2024	Low Tide Time	1002
S2	27 Aug 2024	Comments	Water clear; Trash-0; Kelp;Algae; Person/Walker/Jogger-10; No water flow from storm drain
S3	06 Aug 2024	Arrive Time	910
S3	06 Aug 2024	Wind Speed (kts)	1.8
S3	06 Aug 2024	Wind Dir	S
S3	06 Aug 2024	Animal Life	Seagull-20;
S3	06 Aug 2024	Floatables	None
S3	06 Aug 2024	Current Direction	S
S3	06 Aug 2024	Water Temp (C)	15
S3	06 Aug 2024	High Tide Time	1127
S3	06 Aug 2024	Low Tide Time	516
S3	06 Aug 2024	Comments	Water turbid; Trash-0; Kelp;Algae; No water flow from storm drain
S3	13 Aug 2024	Arrive Time	930
S3	13 Aug 2024	Wind Speed (kts)	1.6
S3	13 Aug 2024	Wind Dir	S
S3	13 Aug 2024	Animal Life	Dog-2; Seagull-20;
S3	13 Aug 2024	Floatables	None
S3	13 Aug 2024	Current Direction	S
S3	13 Aug 2024	Water Temp (C)	15
S3	13 Aug 2024	High Tide Time	1618
S3	13 Aug 2024	Low Tide Time	

Station	Date	Parameter	Value
S3	13 Aug 2024	Comments	Water turbid; Trash-0; Kelp;Algae; No water flow from storm drain
S3	20 Aug 2024	Arrive Time	920
S3	20 Aug 2024	Wind Speed (kts)	2.6
S3	20 Aug 2024	Wind Dir	NE
S3	20 Aug 2024	Animal Life	Dog-6; Seagull-20;
S3	20 Aug 2024	Floatables	None
S3	20 Aug 2024	Current Direction	S
S3	20 Aug 2024	Water Temp (C)	15
S3	20 Aug 2024	High Tide Time	1031
S3	20 Aug 2024	Low Tide Time	426
S3	20 Aug 2024	Comments	Water turbid; Trash-0; Algae;Kelp; No water flow from storm drain; Construction worker-1
S3	27 Aug 2024	Arrive Time	1035
S3	27 Aug 2024	Wind Speed (kts)	1.5
S3	27 Aug 2024	Wind Dir	NE
S3	27 Aug 2024	Animal Life	Dog-4; Seagull-10;
S3	27 Aug 2024	Floatables	None
S3	27 Aug 2024	Current Direction	N
S3	27 Aug 2024	Water Temp (C)	19
S3	27 Aug 2024	High Tide Time	646
S3	27 Aug 2024	Low Tide Time	1002
S3	27 Aug 2024	Comments	Water clear; Trash-0; Person/Walker/Jogger-10; No water flow from storm drain
S4	06 Aug 2024	Arrive Time	858
S4	06 Aug 2024	Wind Speed (kts)	3.6
S4	06 Aug 2024	Wind Dir	SW
S4	06 Aug 2024	Animal Life	
S4	06 Aug 2024	Floatables	None
S4	06 Aug 2024	Current Direction	S
S4	06 Aug 2024	Water Temp (C)	15.8
S4	06 Aug 2024	High Tide Time	1127
S4	06 Aug 2024	Low Tide Time	516
S4	06 Aug 2024	Comments	Water clear; Trash-1; Kelp;Seagrass
S4	13 Aug 2024	Arrive Time	858
S4	13 Aug 2024	Wind Speed (kts)	2.9
S4	13 Aug 2024	Wind Dir	S
S4	13 Aug 2024	Animal Life	
S4	13 Aug 2024	Floatables	None
S4	13 Aug 2024	Current Direction	S
S4	13 Aug 2024	Water Temp (C)	17
S4	13 Aug 2024	High Tide Time	1618
S4	13 Aug 2024	Low Tide Time	
S4	13 Aug 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris
S4	20 Aug 2024	Arrive Time	1137
S4	20 Aug 2024	Wind Speed (kts)	6.52
S4	20 Aug 2024	Wind Dir	NE
S4	20 Aug 2024	Animal Life	Bird-5; Pelican-3; Seagull-3;
S4	20 Aug 2024	Floatables	None
S4	20 Aug 2024	Current Direction	XX
S4	20 Aug 2024	Water Temp (C)	21.8
S4	20 Aug 2024	High Tide Time	1031
S4	20 Aug 2024	Low Tide Time	426
S4	20 Aug 2024	Comments	Water turbid; Trash-2; Kelp;Seagrass
S4	27 Aug 2024	Arrive Time	857

Station	Date	Parameter	Value
S4	27 Aug 2024	Wind Speed (kts)	6.2
S4	27 Aug 2024	Wind Dir	SW
S4	27 Aug 2024	Animal Life	
S4	27 Aug 2024	Floatables	None
S4	27 Aug 2024	Current Direction	S
S4	27 Aug 2024	Water Temp (C)	16.9
S4	27 Aug 2024	High Tide Time	646
S4	27 Aug 2024	Low Tide Time	1002
S4	27 Aug 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris; Sewage-like odor
S10	06 Aug 2024	Arrive Time	848
S10	06 Aug 2024	Wind Speed (kts)	2.9
S10	06 Aug 2024	Wind Dir	SW
S10	06 Aug 2024	Animal Life	
S10	06 Aug 2024	Floatables	None
S10	06 Aug 2024	Current Direction	S
S10	06 Aug 2024	Water Temp (C)	14.4
S10	06 Aug 2024	High Tide Time	1127
S10	06 Aug 2024	Low Tide Time	516
S10	06 Aug 2024	Comments	Water clear; Trash-2; Kelp;Seagrass;Debris
S10	13 Aug 2024	Arrive Time	836
S10	13 Aug 2024	Wind Speed (kts)	1.5
S10	13 Aug 2024	Wind Dir	W
S10	13 Aug 2024	Animal Life	
S10	13 Aug 2024	Floatables	None
S10	13 Aug 2024	Current Direction	S
S10	13 Aug 2024	Water Temp (C)	17
S10	13 Aug 2024	High Tide Time	1618
S10	13 Aug 2024	Low Tide Time	
S10	13 Aug 2024	Comments	Water clear; Trash-2; Kelp;Seagrass
S10	20 Aug 2024	Arrive Time	1152
S10	20 Aug 2024	Wind Speed (kts)	7.1
S10	20 Aug 2024	Wind Dir	E
S10	20 Aug 2024	Animal Life	
S10	20 Aug 2024	Floatables	None
S10	20 Aug 2024	Current Direction	XX
S10	20 Aug 2024	Water Temp (C)	23.53
S10	20 Aug 2024	High Tide Time	1031
S10	20 Aug 2024	Low Tide Time	426
S10	20 Aug 2024	Comments	Water turbid; Trash-2; Kelp
S10	27 Aug 2024	Arrive Time	835
S10	27 Aug 2024	Wind Speed (kts)	7.4
S10	27 Aug 2024	Wind Dir	NW
S10	27 Aug 2024	Animal Life	
S10	27 Aug 2024	Floatables	None
S10	27 Aug 2024	Current Direction	S
S10	27 Aug 2024	Water Temp (C)	17.2
S10	27 Aug 2024	High Tide Time	646
S10	27 Aug 2024	Low Tide Time	1002
S10	27 Aug 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris
S5	06 Aug 2024	Arrive Time	949
S5	06 Aug 2024	Wind Speed (kts)	6
S5	06 Aug 2024	Wind Dir	SW
S5	06 Aug 2024	Animal Life	
S5	06 Aug 2024	Floatables	None
S5	06 Aug 2024	Current Direction	S

Station	Date	Parameter	Value
S5	06 Aug 2024	Water Temp (C)	19.1
S5	06 Aug 2024	High Tide Time	1127
S5	06 Aug 2024	Low Tide Time	516
S5	06 Aug 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris
S5	13 Aug 2024	Arrive Time	955
S5	13 Aug 2024	Wind Speed (kts)	2.3
S5	13 Aug 2024	Wind Dir	W
S5	13 Aug 2024	Animal Life	
S5	13 Aug 2024	Floatables	Foam
S5	13 Aug 2024	Current Direction	S
S5	13 Aug 2024	Water Temp (C)	21.2
S5	13 Aug 2024	High Tide Time	1618
S5	13 Aug 2024	Low Tide Time	
S5	13 Aug 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris; Person/Walker/Jogger-1; Sewage-like odor
S5	20 Aug 2024	Arrive Time	1250
S5	20 Aug 2024	Wind Speed (kts)	6.8
S5	20 Aug 2024	Wind Dir	W
S5	20 Aug 2024	Animal Life	Bird-50; Pelican-5; Seagull-10;
S5	20 Aug 2024	Floatables	None
S5	20 Aug 2024	Current Direction	S
S5	20 Aug 2024	Water Temp (C)	25.5
S5	20 Aug 2024	High Tide Time	1031
S5	20 Aug 2024	Low Tide Time	426
S5	20 Aug 2024	Comments	Water turbid; Trash-2; Kelp; Sewage-like odor
S5	27 Aug 2024	Arrive Time	958
S5	27 Aug 2024	Wind Speed (kts)	9.2
S5	27 Aug 2024	Wind Dir	W
S5	27 Aug 2024	Animal Life	
S5	27 Aug 2024	Floatables	Foam
S5	27 Aug 2024	Current Direction	S
S5	27 Aug 2024	Water Temp (C)	18
S5	27 Aug 2024	High Tide Time	646
S5	27 Aug 2024	Low Tide Time	1002
S5	27 Aug 2024	Comments	Water clear; Trash-1; Seagrass;Debris; Sewage-like odor
S11	06 Aug 2024	Arrive Time	1003
S11	06 Aug 2024	Wind Speed (kts)	4
S11	06 Aug 2024	Wind Dir	W
S11	06 Aug 2024	Animal Life	
S11	06 Aug 2024	Floatables	None
S11	06 Aug 2024	Current Direction	S
S11	06 Aug 2024	Water Temp (C)	15.1
S11	06 Aug 2024	High Tide Time	1127
S11	06 Aug 2024	Low Tide Time	516
S11	06 Aug 2024	Comments	Water clear; Trash-2; Kelp;Seagrass;Debris
S11	13 Aug 2024	Arrive Time	1015
S11	13 Aug 2024	Wind Speed (kts)	4.6
S11	13 Aug 2024	Wind Dir	SW
S11	13 Aug 2024	Animal Life	
S11	13 Aug 2024	Floatables	Foam
S11	13 Aug 2024	Current Direction	S
S11	13 Aug 2024	Water Temp (C)	19.6
S11	13 Aug 2024	High Tide Time	1618
S11	13 Aug 2024	Low Tide Time	
S11	13 Aug 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris; Person/Walker/Jogger-1

Station	Date	Parameter	Value
S11	20 Aug 2024	Arrive Time	1238
S11	20 Aug 2024	Wind Speed (kts)	6.5
S11	20 Aug 2024	Wind Dir	W
S11	20 Aug 2024	Animal Life	
S11	20 Aug 2024	Floatables	None
S11	20 Aug 2024	Current Direction	S
S11	20 Aug 2024	Water Temp (C)	24.5
S11	20 Aug 2024	High Tide Time	1031
S11	20 Aug 2024	Low Tide Time	426
S11	20 Aug 2024	Comments	Water turbid; Trash-1; Kelp;Algae; Person/Walker/Jogger-1
S11	27 Aug 2024	Arrive Time	1018
S11	27 Aug 2024	Wind Speed (kts)	6.3
S11	27 Aug 2024	Wind Dir	NW
S11	27 Aug 2024	Animal Life	
S11	27 Aug 2024	Floatables	Foam
S11	27 Aug 2024	Current Direction	S
S11	27 Aug 2024	Water Temp (C)	19.4
S11	27 Aug 2024	High Tide Time	646
S11	27 Aug 2024	Low Tide Time	1002
S11	27 Aug 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris; Sewage-like odor
S6	06 Aug 2024	Arrive Time	1013
S6	06 Aug 2024	Wind Speed (kts)	3.8
S6	06 Aug 2024	Wind Dir	W
S6	06 Aug 2024	Animal Life	
S6	06 Aug 2024	Floatables	None
S6	06 Aug 2024	Current Direction	S
S6	06 Aug 2024	Water Temp (C)	15.5
S6	06 Aug 2024	High Tide Time	1127
S6	06 Aug 2024	Low Tide Time	516
S6	06 Aug 2024	Comments	Water clear; Fisherpersion-1; Trash-1; Kelp;Seagrass;Algae;Debris
S6	13 Aug 2024	Arrive Time	1026
S6	13 Aug 2024	Wind Speed (kts)	1.9
S6	13 Aug 2024	Wind Dir	SW
S6	13 Aug 2024	Animal Life	
S6	13 Aug 2024	Floatables	None
S6	13 Aug 2024	Current Direction	S
S6	13 Aug 2024	Water Temp (C)	21.2
S6	13 Aug 2024	High Tide Time	1618
S6	13 Aug 2024	Low Tide Time	
S6	13 Aug 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae;Debris; Person/Walker/Jogger-2
S6	20 Aug 2024	Arrive Time	1019
S6	20 Aug 2024	Wind Speed (kts)	10.3
S6	20 Aug 2024	Wind Dir	SE
S6	20 Aug 2024	Animal Life	Bird-2; Dog-2;
S6	20 Aug 2024	Floatables	None
S6	20 Aug 2024	Current Direction	XX
S6	20 Aug 2024	Water Temp (C)	23.4
S6	20 Aug 2024	High Tide Time	1031
S6	20 Aug 2024	Low Tide Time	426
S6	20 Aug 2024	Comments	Water turbid; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-3
S6	27 Aug 2024	Arrive Time	1030

Station	Date	Parameter	Value
S6	27 Aug 2024	Wind Speed (kts)	6.5
S6	27 Aug 2024	Wind Dir	NW
S6	27 Aug 2024	Animal Life	
S6	27 Aug 2024	Floatables	Foam
S6	27 Aug 2024	Current Direction	S
S6	27 Aug 2024	Water Temp (C)	19.6
S6	27 Aug 2024	High Tide Time	646
S6	27 Aug 2024	Low Tide Time	1002
S6	27 Aug 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae;Debris; Sewage-like odor
S12	06 Aug 2024	Arrive Time	819
S12	06 Aug 2024	Wind Speed (kts)	1.4
S12	06 Aug 2024	Wind Dir	SW
S12	06 Aug 2024	Animal Life	Bird-2;
S12	06 Aug 2024	Floatables	None
S12	06 Aug 2024	Current Direction	S
S12	06 Aug 2024	Water Temp (C)	9
S12	06 Aug 2024	High Tide Time	1127
S12	06 Aug 2024	Low Tide Time	516
S12	06 Aug 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris; Person/Walker/Jogger-2
S12	13 Aug 2024	Arrive Time	1040
S12	13 Aug 2024	Wind Speed (kts)	4.8
S12	13 Aug 2024	Wind Dir	NW
S12	13 Aug 2024	Animal Life	
S12	13 Aug 2024	Floatables	None; Foam
S12	13 Aug 2024	Current Direction	S
S12	13 Aug 2024	Water Temp (C)	21.2
S12	13 Aug 2024	High Tide Time	1618
S12	13 Aug 2024	Low Tide Time	
S12	13 Aug 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris; Person/Walker/Jogger-2
S12	20 Aug 2024	Arrive Time	952
S12	20 Aug 2024	Wind Speed (kts)	6.3
S12	20 Aug 2024	Wind Dir	SE
S12	20 Aug 2024	Animal Life	
S12	20 Aug 2024	Floatables	None
S12	20 Aug 2024	Current Direction	S
S12	20 Aug 2024	Water Temp (C)	23.3
S12	20 Aug 2024	High Tide Time	1031
S12	20 Aug 2024	Low Tide Time	426
S12	20 Aug 2024	Comments	Water turbid; Trash-1; Seagrass;Kelp; Person/Walker/Jogger-6
S12	27 Aug 2024	Arrive Time	1045
S12	27 Aug 2024	Wind Speed (kts)	7.3
S12	27 Aug 2024	Wind Dir	W
S12	27 Aug 2024	Animal Life	
S12	27 Aug 2024	Floatables	None
S12	27 Aug 2024	Current Direction	S
S12	27 Aug 2024	Water Temp (C)	19.8
S12	27 Aug 2024	High Tide Time	646
S12	27 Aug 2024	Low Tide Time	1002
S12	27 Aug 2024	Comments	Water clear; Trash-1; Kelp;Seagrass
S8	06 Aug 2024	Arrive Time	839
S8	06 Aug 2024	Wind Speed (kts)	2.4
S8	06 Aug 2024	Wind Dir	SW

Station	Date	Parameter	Value
S8	06 Aug 2024	Animal Life	
S8	06 Aug 2024	Floatables	Foam
S8	06 Aug 2024	Current Direction	S
S8	06 Aug 2024	Water Temp (C)	13
S8	06 Aug 2024	High Tide Time	1127
S8	06 Aug 2024	Low Tide Time	516
S8	06 Aug 2024	Comments	Water clear; Trash-1; Seagrass
S8	13 Aug 2024	Arrive Time	1101
S8	13 Aug 2024	Wind Speed (kts)	4.83
S8	13 Aug 2024	Wind Dir	W
S8	13 Aug 2024	Animal Life	
S8	13 Aug 2024	Floatables	Foam
S8	13 Aug 2024	Current Direction	S
S8	13 Aug 2024	Water Temp (C)	19.1
S8	13 Aug 2024	High Tide Time	1618
S8	13 Aug 2024	Low Tide Time	
S8	13 Aug 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris
S8	20 Aug 2024	Arrive Time	902
S8	20 Aug 2024	Wind Speed (kts)	3.2
S8	20 Aug 2024	Wind Dir	S
S8	20 Aug 2024	Animal Life	
S8	20 Aug 2024	Floatables	None
S8	20 Aug 2024	Current Direction	S
S8	20 Aug 2024	Water Temp (C)	21
S8	20 Aug 2024	High Tide Time	1031
S8	20 Aug 2024	Low Tide Time	426
S8	20 Aug 2024	Comments	Water turbid; Trash-1; Seagrass; Person/Walker/Jogger-2
S8	27 Aug 2024	Arrive Time	1104
S8	27 Aug 2024	Wind Speed (kts)	8.3
S8	27 Aug 2024	Wind Dir	NW
S8	27 Aug 2024	Animal Life	
S8	27 Aug 2024	Floatables	None
S8	27 Aug 2024	Current Direction	S
S8	27 Aug 2024	Water Temp (C)	20.4
S8	27 Aug 2024	High Tide Time	646
S8	27 Aug 2024	Low Tide Time	1002
S8	27 Aug 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris
S9	06 Aug 2024	Arrive Time	909
S9	06 Aug 2024	Wind Speed (kts)	1
S9	06 Aug 2024	Wind Dir	SW
S9	06 Aug 2024	Animal Life	
S9	06 Aug 2024	Floatables	Foam
S9	06 Aug 2024	Current Direction	S
S9	06 Aug 2024	Water Temp (C)	12
S9	06 Aug 2024	High Tide Time	1127
S9	06 Aug 2024	Low Tide Time	516
S9	06 Aug 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae;Debris; Person/Walker/Jogger-2
S9	13 Aug 2024	Arrive Time	1120
S9	13 Aug 2024	Wind Speed (kts)	5.8
S9	13 Aug 2024	Wind Dir	W
S9	13 Aug 2024	Animal Life	
S9	13 Aug 2024	Floatables	Foam
S9	13 Aug 2024	Current Direction	S
S9	13 Aug 2024	Water Temp (C)	22.4
S9	13 Aug 2024	High Tide Time	1618

Station	Date	Parameter	Value
S9	13 Aug 2024	Low Tide Time	
S9	13 Aug 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris;Algae; Person/Walker/Jogger-3
S9	20 Aug 2024	Arrive Time	834
S9	20 Aug 2024	Wind Speed (kts)	2.9
S9	20 Aug 2024	Wind Dir	W
S9	20 Aug 2024	Animal Life	Seagull-7;
S9	20 Aug 2024	Floatables	None
S9	20 Aug 2024	Current Direction	S
S9	20 Aug 2024	Water Temp (C)	21.2
S9	20 Aug 2024	High Tide Time	1031
S9	20 Aug 2024	Low Tide Time	426
S9	20 Aug 2024	Comments	Water turbid; Trash-1; Kelp; Person/Walker/Jogger-2
S9	27 Aug 2024	Arrive Time	1124
S9	27 Aug 2024	Wind Speed (kts)	9.5
S9	27 Aug 2024	Wind Dir	W
S9	27 Aug 2024	Animal Life	
S9	27 Aug 2024	Floatables	None
S9	27 Aug 2024	Current Direction	S
S9	27 Aug 2024	Water Temp (C)	20.6
S9	27 Aug 2024	High Tide Time	646
S9	27 Aug 2024	Low Tide Time	1002
S9	27 Aug 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris; Person/Walker/Jogger-2

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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 2024	*28	*4	*3	*5	*52	*4	*13
02 Aug 2024	*28	*4	*3	*5	*52	*4	*13
03 Aug 2024	*28	*4	*3	*5	*52	*4	*13
04 Aug 2024	*28	*4	*3	*5	*52	*4	*13
05 Aug 2024	26	4	3	4	27	3	28
06 Aug 2024	26	4	3	4	27	3	28
07 Aug 2024	*34	*3	*2	*3	*22	*3	*41
08 Aug 2024	*34	*3	*2	*3	*22	*3	*41
09 Aug 2024	*34	*3	*2	*3	*22	*3	*41
10 Aug 2024	*34	*3	*2	*3	*22	*3	*41
11 Aug 2024	*34	*3	*2	*3	*22	*3	*41
12 Aug 2024	29	3	3	3	14	2	35
13 Aug 2024	29	3	3	3	14	2	35
14 Aug 2024	29	3	3	3	14	2	35
15 Aug 2024	*18	*3	*3	*3	*22	*3	*32
16 Aug 2024	*18	*3	*3	*3	*22	*3	*32
17 Aug 2024	*18	*3	*3	*3	*22	*3	*32
18 Aug 2024	*18	*3	*3	*3	*22	*3	*32
19 Aug 2024	*18	*3	*3	*3	*22	*3	*32
20 Aug 2024	12	3	3	3	14	2	55
21 Aug 2024	12	3	3	3	14	2	55
22 Aug 2024	*8	*3	*3	*3	*5	*3	*66
23 Aug 2024	*8	*3	*3	*3	*5	*3	*66
24 Aug 2024	*8	*3	*3	*3	*5	*3	*66
25 Aug 2024	*8	*3	*3	*3	*5	*3	*66
26 Aug 2024	*8	*3	*3	*3	*5	*3	*66
27 Aug 2024	14	3	2	3	4	2	61
28 Aug 2024	14	3	2	3	4	2	61
29 Aug 2024	14	3	2	3	4	2	61
30 Aug 2024	*18	*3	*3	*3	*2	*2	*126
31 Aug 2024	*18	*3	*3	*3	*2	*2	*126

* 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
05 Aug 2024	IC	IC	IC	IC	IC	IC	E
12 Aug 2024	IC	IC	IC	IC	IC	IC	IC
20 Aug 2024	IC	IC	IC	IC	IC	IC	E
27 Aug 2024	E	IC	IC	IC	IC	IC	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 2024	36	13	11	10	91	3	41
02 Aug 2024	36	13	11	10	91	3	41
03 Aug 2024	36	13	11	10	91	3	41
04 Aug 2024	36	13	11	10	91	3	41
05 Aug 2024	35	12	8	8	53	3	53
06 Aug 2024	18	9	6	5	35	2	46
07 Aug 2024	18	9	6	5	35	2	46
08 Aug 2024	18	9	6	5	35	2	46
09 Aug 2024	18	9	6	5	35	2	46
10 Aug 2024	18	9	6	5	35	2	46
11 Aug 2024	18	9	6	5	35	2	46
12 Aug 2024	11	5	4	4	17	4	18
13 Aug 2024	11	5	4	4	17	4	18
14 Aug 2024	11	5	4	4	17	4	18
15 Aug 2024	11	5	4	4	17	4	18
16 Aug 2024	11	5	4	4	17	4	18
17 Aug 2024	11	5	4	4	17	4	18
18 Aug 2024	11	5	4	4	17	4	18
19 Aug 2024	12	4	3	3	12	4	18
20 Aug 2024	9	3	3	3	9	3	25
21 Aug 2024	9	3	3	3	9	3	25
22 Aug 2024	9	3	3	3	9	3	25
23 Aug 2024	9	3	3	3	9	3	25
24 Aug 2024	9	3	3	3	9	3	25
25 Aug 2024	9	3	3	3	9	3	25
26 Aug 2024	9	3	3	3	9	3	25
27 Aug 2024	11	3	3	3	9	3	29
28 Aug 2024	11	3	3	3	9	3	29
29 Aug 2024	11	3	3	3	9	3	29
30 Aug 2024	11	3	3	3	9	3	29
31 Aug 2024	11	3	3	3	9	3	29

* 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	IC	IC	IC	IC	IC	IC	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 over the previous 30 days unless otherwise noted (*). Values >70 CFU/100 mL exceed the standard.

Date	I19			I24			I25			I26			I32			I39			I40		
	2m	6m	11m	2m	6m	11m	2m	6m	9m	2m	6m	9m	2m	6m	9m	2m	6m	9m	2m	6m	9m
01 Aug 2024	*20	*50	*210	*11	*20	*20	*21	*13	*20	*40	*30	*22	*780	*110	*440	*2	*11	*3	*40	*130	*100
02 Aug 2024	*20	*50	*210	*11	*20	*20	*21	*13	*20	*40	*30	*22	*780	*110	*440	*2	*11	*3	*40	*130	*100
03 Aug 2024	*20	*50	*210	*11	*20	*20	*21	*13	*20	*40	*30	*22	*780	*110	*440	*2	*11	*3	*40	*130	*100
04 Aug 2024	*20	*50	*210	*11	*20	*20	*21	*13	*20	*40	*30	*22	*780	*110	*440	*2	*11	*3	*40	*130	*100
05 Aug 2024	20	40	60	20	20	20	2	6	20	20	20	20	160	20	280	2	2	2	40	200	140
06 Aug 2024	20	40	60	20	20	20	2	6	20	20	20	20	160	20	280	2	2	2	40	200	140
07 Aug 2024	*40	*50	*200	*11	*20	*20	*2	*4	*20	*11	*18	*20	*90	*20	*150	*2	*2	*2	*30	*200	*270
08 Aug 2024	*40	*50	*200	*11	*20	*20	*2	*4	*20	*11	*18	*20	*90	*20	*150	*2	*2	*2	*30	*200	*270
09 Aug 2024	*40	*50	*200	*11	*20	*20	*2	*4	*20	*11	*18	*20	*90	*20	*150	*2	*2	*2	*30	*200	*270
10 Aug 2024	*40	*50	*200	*11	*20	*20	*2	*4	*20	*11	*18	*20	*90	*20	*150	*2	*2	*2	*30	*200	*270
11 Aug 2024	*40	*50	*200	*11	*20	*20	*2	*4	*20	*11	*18	*20	*90	*20	*150	*2	*2	*2	*30	*200	*270
12 Aug 2024	20	60	200	4	20	20	2	6	20	20	20	20	20	20	20	2	2	2	40	200	140
13 Aug 2024	20	60	200	4	20	20	2	6	20	20	20	20	20	20	20	2	2	2	40	200	140
14 Aug 2024	20	60	200	4	20	20	2	6	20	20	20	20	20	20	20	2	2	2	40	200	140
15 Aug 2024	*32	*150	*120	*12	*20	*20	*11	*4	*14	*11	*30	*20	*90	*20	*150	*2	*11	*2	*30	*200	*110
16 Aug 2024	*32	*150	*120	*12	*20	*20	*11	*4	*14	*11	*30	*20	*90	*20	*150	*2	*11	*2	*30	*200	*110
17 Aug 2024	*32	*150	*120	*12	*20	*20	*11	*4	*14	*11	*30	*20	*90	*20	*150	*2	*11	*2	*30	*200	*110
18 Aug 2024	*32	*150	*120	*12	*20	*20	*11	*4	*14	*11	*30	*20	*90	*20	*150	*2	*11	*2	*30	*200	*110
19 Aug 2024	*32	*150	*120	*12	*20	*20	*11	*4	*14	*11	*30	*20	*90	*20	*150	*2	*11	*2	*30	*200	*110
20 Aug 2024	60	60	40	4	20	20	2	4	20	2	20	20	20	20	20	2	4	2	200	200	140
21 Aug 2024	60	60	40	4	20	20	2	4	20	2	20	20	20	20	20	2	4	2	200	200	140
22 Aug 2024	*130	*50	*40	*12	*20	*20	*11	*5	*14	*11	*21	*22	*20	*20	*20	*2	*12	*2	*110	*2900	*340
23 Aug 2024	*130	*50	*40	*12	*20	*20	*11	*5	*14	*11	*21	*22	*20	*20	*20	*2	*12	*2	*110	*2900	*340
24 Aug 2024	*130	*50	*40	*12	*20	*20	*11	*5	*14	*11	*21	*22	*20	*20	*20	*2	*12	*2	*110	*2900	*340
25 Aug 2024	*130	*50	*40	*12	*20	*20	*11	*5	*14	*11	*21	*22	*20	*20	*20	*2	*12	*2	*110	*2900	*340
26 Aug 2024	*130	*50	*40	*12	*20	*20	*11	*5	*14	*11	*21	*22	*20	*20	*20	*2	*12	*2	*110	*2900	*340
27 Aug 2024	200	60	40	4	20	20	2	4	8	2	2	20	20	20	20	2	4	2	200	440	200
28 Aug 2024	200	60	40	4	20	20	2	4	8	2	2	20	20	20	20	2	4	2	200	440	200
29 Aug 2024	200	60	40	4	20	20	2	4	8	2	2	20	20	20	20	2	4	2	200	440	200
30 Aug 2024	*300	*140	*120	*3	*20	*20	*2	*3	*5	*2	*2	*11	*12	*20	*20	*2	*3	*2	*200	*3020	*400
31 Aug 2024	*300	*140	*120	*3	*20	*20	*2	*3	*5	*2	*2	*11	*12	*20	*20	*2	*3	*2	*200	*3020	*400

* Median calculated using n<5

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 month.

	I19			I24			I25			I26			I32			I39			I40		
Date	2m	6m	11m	2m	6m	11m	2m	6m	9m	2m	6m	9m	2m	6m	9m	2m	12m	18m	2m	6m	9m
August	E	E	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	E	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
I19	05 Aug 2024	1043	2	400e	52	90
I19	05 Aug 2024	1043	6	40e	2e	2e
I19	05 Aug 2024	1043	11	40e	<2	2e
I19	12 Aug 2024	1023	2	4e	<2	2e
I19	12 Aug 2024	1023	6	240e	36e	2e
I19	12 Aug 2024	1023	11	<200	10e	4e
I19	20 Aug 2024	1025	2	<200	<2	4e
I19	20 Aug 2024	1025	6	<2	<2	<2
I19	20 Aug 2024	1025	11	<20	2e	<2
I19	27 Aug 2024	1015	2	>16000	480	800e
I19	27 Aug 2024	1015	6	900	46	68
I19	27 Aug 2024	1015	11	220e	20e	16e
I24	05 Aug 2024	1102	2	<20	<2	<2
I24	05 Aug 2024	1102	6	<20	2e	2e
I24	05 Aug 2024	1102	11	20e	6e	<20
I24	12 Aug 2024	1043	2	4e	2e	<2
I24	12 Aug 2024	1043	6	60e	8e	<2
I24	12 Aug 2024	1043	11	40e	2e	2e
I24	20 Aug 2024	1044	2	2e	<2	<2
I24	20 Aug 2024	1044	6	20e	8e	2e
I24	20 Aug 2024	1044	11	<20	<2	<2
I24	27 Aug 2024	1036	2	<2	<2	<2
I24	27 Aug 2024	1036	6	20e	2e	<2
I24	27 Aug 2024	1036	11	<2	<2	<2
I25	05 Aug 2024	1109	2	<2	<2	<2
I25	05 Aug 2024	1109	6	<2	<2	<2
I25	05 Aug 2024	1109	9	<2	<2	<2
I25	12 Aug 2024	1057	2	<20	4e	10e
I25	12 Aug 2024	1057	6	80e	<2	4e
I25	12 Aug 2024	1057	9	8e	12e	<2
I25	20 Aug 2024	1052	2	<2	<2	<2
I25	20 Aug 2024	1052	6	4e	<2	<2
I25	20 Aug 2024	1052	9	20e	<2	<2
I25	27 Aug 2024	1042	2	<2	<2	<2
I25	27 Aug 2024	1042	6	<2	<2	<2
I25	27 Aug 2024	1042	9	<2	<2	<2
I26	05 Aug 2024	1118	2	<2	<2	<2
I26	05 Aug 2024	1118	6	<2	<2	<2
I26	05 Aug 2024	1118	9	<2	<2	<2

Station	Date	Time	Depth	Total	Fecal	Entero
I26	12 Aug 2024	1100	2	<20	<2	6e
I26	12 Aug 2024	1100	6	60e	6e	34e
I26	12 Aug 2024	1100	9	20e	8e	<2
I26	20 Aug 2024	1101	2	<2	<2	<2
I26	20 Aug 2024	1101	6	<2	<2	<2
I26	20 Aug 2024	1101	9	26e	<2	<2
I26	27 Aug 2024	1058	2	<2	<2	<2
I26	27 Aug 2024	1058	6	<2	<2	<2
I26	27 Aug 2024	1058	9	<2	<2	<2
I32	05 Aug 2024	1131	2	<20	<2	<2
I32	05 Aug 2024	1131	6	<20	<2	<2
I32	05 Aug 2024	1131	9	<20	<2	<2
I32	12 Aug 2024	1111	2	4e	<2	<2
I32	12 Aug 2024	1111	6	20e	2e	<2
I32	12 Aug 2024	1111	9	20e	<2	<2
I32	20 Aug 2024	1126	2	20e	<2	<2
I32	20 Aug 2024	1126	6	<20	<2	<2
I32	20 Aug 2024	1126	9	<20	<2	<2
I32	27 Aug 2024	1109	2	<2	<2	<2
I32	27 Aug 2024	1109	6	<20	2e	<2
I32	27 Aug 2024	1109	9	<20	2e	<2
I39	05 Aug 2024	1022	2	<2	<2	<2
I39	05 Aug 2024	1022	12	<2	<2	<2
I39	05 Aug 2024	1022	18	<2	<2	<2
I39	12 Aug 2024	1002	2	<200	<2	120
I39	12 Aug 2024	1002	12	20e	<2	<2
I39	12 Aug 2024	1002	18	<20	<2	<2
I39	20 Aug 2024	1004	2	<2	<2	<2
I39	20 Aug 2024	1004	12	4e	<2	<2
I39	20 Aug 2024	1004	18	2e	<2	<2
I39	27 Aug 2024	953	2	<2	<2	<2
I39	27 Aug 2024	953	12	<2	<2	<2
I39	27 Aug 2024	953	18	<2	<2	<2
I40	05 Aug 2024	1055	2	<20	2e	<2
I40	05 Aug 2024	1055	6	14000	1800e	640
I40	05 Aug 2024	1055	9	1200	340e	110
I40	12 Aug 2024	1036	2	<200	8e	2e
I40	12 Aug 2024	1036	6	<200	40	<2
I40	12 Aug 2024	1036	9	80e	6e	4e
I40	20 Aug 2024	1036	2	200e	56	14e
I40	20 Aug 2024	1036	6	5600	1200	260e
I40	20 Aug 2024	1036	9	600e	100e	56
I40	27 Aug 2024	1028	2	3000e	86	96
I40	27 Aug 2024	1028	6	440	20e	58
I40	27 Aug 2024	1028	9	200e	24e	58

ns = not sampled
ND = no data

Table 3.8

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

Station	Date	Parameter	Value
119	05 Aug 2024	Arrive Time	1043
119	05 Aug 2024	Depart Time	1046
119	05 Aug 2024	Air Temp (C)	19
119	05 Aug 2024	Visibility (mi)	8
119	05 Aug 2024	Wind Speed (kts)	2.8
119	05 Aug 2024	Wind Dir	SW
119	05 Aug 2024	Sea State	Light Chop
119	05 Aug 2024	High Tide Time	2212
119	05 Aug 2024	Low Tide Time	448
119	05 Aug 2024	Comments	
119	12 Aug 2024	Arrive Time	1023
119	12 Aug 2024	Depart Time	1027
119	12 Aug 2024	Air Temp (C)	21.7
119	12 Aug 2024	Visibility (mi)	5
119	12 Aug 2024	Wind Speed (kts)	7.1
119	12 Aug 2024	Wind Dir	SW
119	12 Aug 2024	Sea State	Light Chop
119	12 Aug 2024	High Tide Time	1500
119	12 Aug 2024	Low Tide Time	2342
119	12 Aug 2024	Comments	
119	20 Aug 2024	Arrive Time	1021
119	20 Aug 2024	Depart Time	1025
119	20 Aug 2024	Air Temp (C)	22.5
119	20 Aug 2024	Visibility (mi)	9
119	20 Aug 2024	Wind Speed (kts)	7.1
119	20 Aug 2024	Wind Dir	NW
119	20 Aug 2024	Sea State	Regular Swell
119	20 Aug 2024	High Tide Time	2206
119	20 Aug 2024	Low Tide Time	418
119	20 Aug 2024	Comments	WetCDOM values in negative and do not match upcast;WetC- DOM values in negative and do not match upcast;
119	27 Aug 2024	Arrive Time	1015
119	27 Aug 2024	Depart Time	1020
119	27 Aug 2024	Air Temp (C)	20.3
119	27 Aug 2024	Visibility (mi)	8
119	27 Aug 2024	Wind Speed (kts)	7.7
119	27 Aug 2024	Wind Dir	NW
119	27 Aug 2024	Sea State	Confused Swell
119	27 Aug 2024	High Tide Time	1642
119	27 Aug 2024	Low Tide Time	2354
119	27 Aug 2024	Comments	
140	05 Aug 2024	Arrive Time	1055
140	05 Aug 2024	Depart Time	1057
140	05 Aug 2024	Air Temp (C)	18.6
140	05 Aug 2024	Visibility (mi)	8
140	05 Aug 2024	Wind Speed (kts)	0
140	05 Aug 2024	Wind Dir	NW
140	05 Aug 2024	Sea State	Light Chop
140	05 Aug 2024	High Tide Time	2212
140	05 Aug 2024	Low Tide Time	448
140	05 Aug 2024	Comments	

Station	Date	Parameter	Value
140	12 Aug 2024	Arrive Time	1036
140	12 Aug 2024	Depart Time	1039
140	12 Aug 2024	Air Temp (C)	21.7
140	12 Aug 2024	Visibility (mi)	5
140	12 Aug 2024	Wind Speed (kts)	5
140	12 Aug 2024	Wind Dir	W
140	12 Aug 2024	Sea State	Light Chop
140	12 Aug 2024	High Tide Time	1500
140	12 Aug 2024	Low Tide Time	2342
140	12 Aug 2024	Comments	
140	20 Aug 2024	Arrive Time	1032
140	20 Aug 2024	Depart Time	1036
140	20 Aug 2024	Air Temp (C)	22.4
140	20 Aug 2024	Visibility (mi)	9
140	20 Aug 2024	Wind Speed (kts)	7.3
140	20 Aug 2024	Wind Dir	NW
140	20 Aug 2024	Sea State	Regular Swell
140	20 Aug 2024	High Tide Time	2206
140	20 Aug 2024	Low Tide Time	418
140	20 Aug 2024	Comments	WetCDOM values in negative and do not match upcast;
140	27 Aug 2024	Arrive Time	1028
140	27 Aug 2024	Depart Time	1031
140	27 Aug 2024	Air Temp (C)	20.2
140	27 Aug 2024	Visibility (mi)	8
140	27 Aug 2024	Wind Speed (kts)	7.2
140	27 Aug 2024	Wind Dir	NW
140	27 Aug 2024	Sea State	Confused Swell
140	27 Aug 2024	High Tide Time	1642
140	27 Aug 2024	Low Tide Time	2354
140	27 Aug 2024	Comments	
124	05 Aug 2024	Arrive Time	1102
124	05 Aug 2024	Depart Time	1104
124	05 Aug 2024	Air Temp (C)	19
124	05 Aug 2024	Visibility (mi)	8
124	05 Aug 2024	Wind Speed (kts)	4.6
124	05 Aug 2024	Wind Dir	W
124	05 Aug 2024	Sea State	Light Chop
124	05 Aug 2024	High Tide Time	2212
124	05 Aug 2024	Low Tide Time	448
124	05 Aug 2024	Comments	
124	12 Aug 2024	Arrive Time	1043
124	12 Aug 2024	Depart Time	1048
124	12 Aug 2024	Air Temp (C)	21.7
124	12 Aug 2024	Visibility (mi)	5
124	12 Aug 2024	Wind Speed (kts)	12.7
124	12 Aug 2024	Wind Dir	W
124	12 Aug 2024	Sea State	Light Chop
124	12 Aug 2024	High Tide Time	1500
124	12 Aug 2024	Low Tide Time	2342
124	12 Aug 2024	Comments	
124	20 Aug 2024	Arrive Time	1040
124	20 Aug 2024	Depart Time	1044
124	20 Aug 2024	Air Temp (C)	22.3
124	20 Aug 2024	Visibility (mi)	9
124	20 Aug 2024	Wind Speed (kts)	8.9
124	20 Aug 2024	Wind Dir	NW

Station	Date	Parameter	Value
I24	20 Aug 2024	Sea State	Regular Swell
I24	20 Aug 2024	High Tide Time	2206
I24	20 Aug 2024	Low Tide Time	418
I24	20 Aug 2024	Comments	WetCDOM values in negative and do not match upcast;
I24	27 Aug 2024	Arrive Time	1036
I24	27 Aug 2024	Depart Time	1040
I24	27 Aug 2024	Air Temp (C)	20.2
I24	27 Aug 2024	Visibility (mi)	8
I24	27 Aug 2024	Wind Speed (kts)	6.3
I24	27 Aug 2024	Wind Dir	W
I24	27 Aug 2024	Sea State	Confused Swell
I24	27 Aug 2024	High Tide Time	1642
I24	27 Aug 2024	Low Tide Time	2354
I24	27 Aug 2024	Comments	
I25	05 Aug 2024	Arrive Time	1109
I25	05 Aug 2024	Depart Time	1111
I25	05 Aug 2024	Air Temp (C)	19
I25	05 Aug 2024	Visibility (mi)	8
I25	05 Aug 2024	Wind Speed (kts)	6.2
I25	05 Aug 2024	Wind Dir	W
I25	05 Aug 2024	Sea State	Light Chop
I25	05 Aug 2024	High Tide Time	2212
I25	05 Aug 2024	Low Tide Time	448
I25	05 Aug 2024	Comments	
I25	12 Aug 2024	Arrive Time	1051
I25	12 Aug 2024	Depart Time	1059
I25	12 Aug 2024	Air Temp (C)	21.7
I25	12 Aug 2024	Visibility (mi)	5
I25	12 Aug 2024	Wind Speed (kts)	10.7
I25	12 Aug 2024	Wind Dir	W
I25	12 Aug 2024	Sea State	Light Chop
I25	12 Aug 2024	High Tide Time	1500
I25	12 Aug 2024	Low Tide Time	2342
I25	12 Aug 2024	Comments	
I25	20 Aug 2024	Arrive Time	1047
I25	20 Aug 2024	Depart Time	1052
I25	20 Aug 2024	Air Temp (C)	22.3
I25	20 Aug 2024	Visibility (mi)	9
I25	20 Aug 2024	Wind Speed (kts)	9
I25	20 Aug 2024	Wind Dir	NW
I25	20 Aug 2024	Sea State	Regular Swell
I25	20 Aug 2024	High Tide Time	2206
I25	20 Aug 2024	Low Tide Time	418
I25	20 Aug 2024	Comments	WetCDOM values in negative and do not match upcast;
I25	27 Aug 2024	Arrive Time	1042
I25	27 Aug 2024	Depart Time	1051
I25	27 Aug 2024	Air Temp (C)	20.1
I25	27 Aug 2024	Visibility (mi)	8
I25	27 Aug 2024	Wind Speed (kts)	21.6
I25	27 Aug 2024	Wind Dir	W
I25	27 Aug 2024	Sea State	Confused Swell
I25	27 Aug 2024	High Tide Time	1642
I25	27 Aug 2024	Low Tide Time	2354
I25	27 Aug 2024	Comments	
I39	05 Aug 2024	Arrive Time	1022

Station	Date	Parameter	Value
139	05 Aug 2024	Depart Time	1025
139	05 Aug 2024	Air Temp (C)	18.7
139	05 Aug 2024	Visibility (mi)	10
139	05 Aug 2024	Wind Speed (kts)	5.9
139	05 Aug 2024	Wind Dir	NW
139	05 Aug 2024	Sea State	Light Chop
139	05 Aug 2024	High Tide Time	2212
139	05 Aug 2024	Low Tide Time	448
139	05 Aug 2024	Comments	
139	12 Aug 2024	Arrive Time	1002
139	12 Aug 2024	Depart Time	1014
139	12 Aug 2024	Air Temp (C)	21.7
139	12 Aug 2024	Visibility (mi)	5
139	12 Aug 2024	Wind Speed (kts)	6.9
139	12 Aug 2024	Wind Dir	SW
139	12 Aug 2024	Sea State	Light Chop
139	12 Aug 2024	High Tide Time	1500
139	12 Aug 2024	Low Tide Time	2342
139	12 Aug 2024	Comments	
139	20 Aug 2024	Arrive Time	1000
139	20 Aug 2024	Depart Time	1004
139	20 Aug 2024	Air Temp (C)	22.3
139	20 Aug 2024	Visibility (mi)	9
139	20 Aug 2024	Wind Speed (kts)	8.5
139	20 Aug 2024	Wind Dir	NW
139	20 Aug 2024	Sea State	Regular Swell
139	20 Aug 2024	High Tide Time	2206
139	20 Aug 2024	Low Tide Time	418
139	20 Aug 2024	Comments	WetCDOM values in negative and do not match upcast;
139	27 Aug 2024	Arrive Time	953
139	27 Aug 2024	Depart Time	957
139	27 Aug 2024	Air Temp (C)	20.4
139	27 Aug 2024	Visibility (mi)	8
139	27 Aug 2024	Wind Speed (kts)	8.6
139	27 Aug 2024	Wind Dir	W
139	27 Aug 2024	Sea State	Confused Swell
139	27 Aug 2024	High Tide Time	1642
139	27 Aug 2024	Low Tide Time	2354
139	27 Aug 2024	Comments	
126	05 Aug 2024	Arrive Time	1118
126	05 Aug 2024	Depart Time	1121
126	05 Aug 2024	Air Temp (C)	19
126	05 Aug 2024	Visibility (mi)	8
126	05 Aug 2024	Wind Speed (kts)	5.4
126	05 Aug 2024	Wind Dir	W
126	05 Aug 2024	Sea State	Light Chop
126	05 Aug 2024	High Tide Time	2212
126	05 Aug 2024	Low Tide Time	448
126	05 Aug 2024	Comments	
126	12 Aug 2024	Arrive Time	1100
126	12 Aug 2024	Depart Time	1103
126	12 Aug 2024	Air Temp (C)	21.8
126	12 Aug 2024	Visibility (mi)	5
126	12 Aug 2024	Wind Speed (kts)	3.7
126	12 Aug 2024	Wind Dir	SW
126	12 Aug 2024	Sea State	Light Chop

Station	Date	Parameter	Value
I26	12 Aug 2024	High Tide Time	1500
I26	12 Aug 2024	Low Tide Time	2342
I26	12 Aug 2024	Comments	
I26	20 Aug 2024	Arrive Time	1057
I26	20 Aug 2024	Depart Time	1101
I26	20 Aug 2024	Air Temp (C)	22.4
I26	20 Aug 2024	Visibility (mi)	9
I26	20 Aug 2024	Wind Speed (kts)	7.3
I26	20 Aug 2024	Wind Dir	NW
I26	20 Aug 2024	Sea State	Regular Swell
I26	20 Aug 2024	High Tide Time	2206
I26	20 Aug 2024	Low Tide Time	418
I26	20 Aug 2024	Comments	WetCDOM values in negative and do not match upcast;
I26	27 Aug 2024	Arrive Time	1058
I26	27 Aug 2024	Depart Time	1101
I26	27 Aug 2024	Air Temp (C)	20.3
I26	27 Aug 2024	Visibility (mi)	8
I26	27 Aug 2024	Wind Speed (kts)	5.3
I26	27 Aug 2024	Wind Dir	NW
I26	27 Aug 2024	Sea State	Confused Swell
I26	27 Aug 2024	High Tide Time	1642
I26	27 Aug 2024	Low Tide Time	2354
I26	27 Aug 2024	Comments	
I32	05 Aug 2024	Arrive Time	1131
I32	05 Aug 2024	Depart Time	1133
I32	05 Aug 2024	Air Temp (C)	18.5
I32	05 Aug 2024	Visibility (mi)	8
I32	05 Aug 2024	Wind Speed (kts)	9.9
I32	05 Aug 2024	Wind Dir	W
I32	05 Aug 2024	Sea State	Light Chop
I32	05 Aug 2024	High Tide Time	2212
I32	05 Aug 2024	Low Tide Time	448
I32	05 Aug 2024	Comments	
I32	12 Aug 2024	Arrive Time	1111
I32	12 Aug 2024	Depart Time	1114
I32	12 Aug 2024	Air Temp (C)	21.9
I32	12 Aug 2024	Visibility (mi)	5
I32	12 Aug 2024	Wind Speed (kts)	6
I32	12 Aug 2024	Wind Dir	W
I32	12 Aug 2024	Sea State	Light Chop
I32	12 Aug 2024	High Tide Time	1500
I32	12 Aug 2024	Low Tide Time	2342
I32	12 Aug 2024	Comments	
I32	20 Aug 2024	Arrive Time	1109
I32	20 Aug 2024	Depart Time	1126
I32	20 Aug 2024	Air Temp (C)	22.5
I32	20 Aug 2024	Visibility (mi)	9
I32	20 Aug 2024	Wind Speed (kts)	8.2
I32	20 Aug 2024	Wind Dir	W
I32	20 Aug 2024	Sea State	Regular Swell
I32	20 Aug 2024	High Tide Time	2206
I32	20 Aug 2024	Low Tide Time	418
I32	20 Aug 2024	Comments	WetCDOM values in negative and do not match upcast;
I32	27 Aug 2024	Arrive Time	1109
I32	27 Aug 2024	Depart Time	1111

Station	Date	Parameter	Value
132	27 Aug 2024	Air Temp (C)	20.2
132	27 Aug 2024	Visibility (mi)	8
132	27 Aug 2024	Wind Speed (kts)	8.2
132	27 Aug 2024	Wind Dir	NW
132	27 Aug 2024	Sea State	Confused Swell
132	27 Aug 2024	High Tide Time	1642
132	27 Aug 2024	Low Tide Time	2354
132	27 Aug 2024	Comments	

Comments

date	station	depth	parmcode	comments
20-Aug-2024	I24			Growth on QC plate for rinse buffer on non selective media, none on selective media. Results likely not affected.
20-Aug-2024	I25			Growth on QC for rinse buffer on non-selective media, but not selective media. Results likely not affected.

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 (s-t)	Chlor (µg/L)
I19	05 Aug 2024	1	16.28	60.80	7.4	33.28	8.0	24.4	2.04
I19	05 Aug 2024	2	15.24	61.39	7.0	33.39	8.0	24.7	2.74
I19	05 Aug 2024	3	13.42	64.68	6.6	33.49	8.0	25.1	4.14
I19	05 Aug 2024	4	12.68	71.66	6.1	33.48	7.9	25.3	5.28
I19	05 Aug 2024	5	12.56	75.60	5.7	33.47	7.9	25.3	5.91
I19	05 Aug 2024	6	12.34	76.79	5.2	33.47	7.8	25.3	5.87
I19	05 Aug 2024	7	12.20	75.89	4.7	33.48	7.8	25.4	4.30
I19	05 Aug 2024	8	12.14	69.02	4.4	33.48	7.8	25.4	3.52
I19	05 Aug 2024	9	11.98	58.63	4.3	33.48	7.7	25.4	2.96
I19	05 Aug 2024	10	11.99	55.56	4.2	33.49	7.7	25.4	2.59
I19	12 Aug 2024	1	21.04	75.34	8.9	33.43	8.2	23.3	2.62
I19	12 Aug 2024	2	20.87	75.20	8.9	33.44	8.2	23.3	3.01
I19	12 Aug 2024	3	20.41	74.55	8.9	33.45	8.2	23.5	3.45
I19	12 Aug 2024	4	20.04	74.29	8.7	33.43	8.2	23.6	3.74
I19	12 Aug 2024	5	19.14	72.85	9.3	33.45	8.2	23.8	4.15
I19	12 Aug 2024	6	17.90	72.64	9.8	33.45	8.2	24.1	4.75
I19	12 Aug 2024	7	17.43	69.18	9.9	33.42	8.2	24.2	6.27
I19	12 Aug 2024	8	16.86	69.90	9.8	33.43	8.2	24.3	6.82
I19	12 Aug 2024	9	16.59	69.03	9.7	33.42	8.2	24.4	7.12
I19	12 Aug 2024	10	16.17	68.98	9.1	33.44	8.2	24.5	7.41
I19	20 Aug 2024	1	20.90	70.18	8.7	33.41	8.2	23.3	1.99
I19	20 Aug 2024	2	19.57	72.06	9.4	33.42	8.2	23.7	2.36
I19	20 Aug 2024	3	19.14	73.82	10.0	33.39	8.3	23.8	2.60
I19	20 Aug 2024	4	17.91	75.17	10.8	33.36	8.3	24.0	3.18
I19	20 Aug 2024	5	17.83	76.35	10.8	33.34	8.3	24.0	4.30
I19	20 Aug 2024	6	17.41	71.19	11.1	33.35	8.3	24.1	5.45
I19	20 Aug 2024	7	16.59	70.67	10.8	33.33	8.3	24.3	7.81
I19	20 Aug 2024	8	15.91	66.88	10.4	33.30	8.3	24.5	9.14
I19	20 Aug 2024	9	15.68	59.90	10.2	33.28	8.2	24.5	7.37
I19	20 Aug 2024	10	15.58	58.08	10.2	33.27	8.2	24.5	5.86
I19	27 Aug 2024	1	22.26	63.78	7.7	33.09	8.2	22.7	2.61
I19	27 Aug 2024	2	21.50	65.63	7.9	33.34	8.2	23.1	2.79
I19	27 Aug 2024	3	18.88	75.32	8.5	33.39	8.2	23.8	2.75
I19	27 Aug 2024	4	18.32	77.80	8.6	33.32	8.2	23.9	2.87
I19	27 Aug 2024	5	17.39	79.04	8.7	33.31	8.2	24.1	3.23
I19	27 Aug 2024	6	16.78	77.86	8.6	33.27	8.1	24.2	3.74
I19	27 Aug 2024	7	16.24	74.77	8.4	33.25	8.1	24.3	4.04
I19	27 Aug 2024	8	15.84	72.84	8.4	33.23	8.1	24.4	4.35
I19	27 Aug 2024	9	15.70	73.00	8.3	33.22	8.1	24.4	4.52
I19	27 Aug 2024	10	15.69	65.17	8.2	33.22	8.1	24.5	4.26
I40	05 Aug 2024	1	17.23	79.72	8.5	33.44	8.1	24.3	0.99
I40	05 Aug 2024	2	16.94	79.68	8.5	33.44	8.1	24.3	1.07
I40	05 Aug 2024	3	16.67	79.11	8.4	33.44	8.1	24.4	1.41
I40	05 Aug 2024	4	16.43	78.42	7.7	33.42	8.1	24.4	1.78
I40	05 Aug 2024	5	14.85	76.66	6.3	33.36	8.0	24.7	2.41
I40	05 Aug 2024	6	13.24	69.18	5.3	33.47	7.8	25.2	2.91
I40	05 Aug 2024	7	13.08	71.68	5.1	33.44	7.8	25.2	3.06
I40	05 Aug 2024	8	12.01	75.83	5.0	33.49	7.8	25.4	3.24
I40	05 Aug 2024	9	11.92	75.73	4.7	33.49	7.8	25.4	2.73
I40	05 Aug 2024	10	11.95	59.86	4.4	33.49	7.8	25.4	2.53

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I40	12 Aug 2024	1	20.58	70.73	9.1	33.42	8.2	23.4	4.10
I40	12 Aug 2024	2	19.71	69.70	8.9	33.44	8.2	23.6	4.69
I40	12 Aug 2024	3	19.01	67.68	9.4	33.43	8.2	23.8	4.96
I40	12 Aug 2024	4	18.50	71.07	9.5	33.42	8.2	23.9	5.78
I40	12 Aug 2024	5	18.10	68.90	9.4	33.43	8.2	24.0	7.50
I40	12 Aug 2024	6	17.01	63.12	10.2	33.44	8.2	24.3	7.97
I40	12 Aug 2024	7	16.94	66.89	10.6	33.41	8.2	24.3	7.94
I40	12 Aug 2024	8	16.70	70.01	10.3	33.41	8.2	24.4	7.61
I40	12 Aug 2024	9	16.49	71.80	9.6	33.42	8.2	24.4	6.94
I40	12 Aug 2024	10	16.40	69.57	9.1	33.42	8.2	24.4	6.33
I40	20 Aug 2024	1	23.03	79.25	8.3	33.49	8.2	22.8	0.96
I40	20 Aug 2024	2	23.03	79.11	8.2	33.49	8.2	22.8	1.03
I40	20 Aug 2024	3	22.78	79.16	7.7	33.48	8.2	22.8	1.27
I40	20 Aug 2024	4	20.94	75.67	7.9	33.43	8.2	23.3	2.11
I40	20 Aug 2024	5	19.07	65.23	9.2	33.42	8.2	23.8	3.47
I40	20 Aug 2024	6	19.11	64.84	9.3	33.33	8.2	23.7	4.35
I40	20 Aug 2024	7	17.53	66.74	9.7	33.38	8.2	24.1	5.73
I40	20 Aug 2024	8	16.83	63.10	9.9	33.33	8.2	24.3	6.53
I40	20 Aug 2024	9	16.21	65.15	9.6	33.30	8.2	24.4	6.54
I40	20 Aug 2024	10	15.67	59.21	9.3	33.27	8.2	24.5	4.74
I40	27 Aug 2024	1	22.22	78.87	8.0	33.46	8.2	23.0	1.21
I40	27 Aug 2024	2	22.00	78.58	7.8	33.45	8.2	23.0	1.39
I40	27 Aug 2024	3	21.04	79.70	7.5	33.46	8.2	23.3	1.53
I40	27 Aug 2024	4	18.09	76.20	8.2	33.32	8.1	24.0	1.85
I40	27 Aug 2024	5	17.47	73.03	8.1	33.33	8.1	24.1	2.55
I40	27 Aug 2024	6	16.87	66.77	8.1	33.27	8.1	24.2	3.91
I40	27 Aug 2024	7	16.46	70.62	8.3	33.25	8.1	24.3	3.45
I40	27 Aug 2024	8	16.35	82.42	8.5	33.24	8.1	24.3	2.35
I40	27 Aug 2024	9	16.05	82.58	8.1	33.25	8.1	24.4	1.86
I40	27 Aug 2024	10	15.92	74.86	7.9	33.24	8.1	24.4	1.55
I24	05 Aug 2024	1	16.22	85.75	8.4	33.45	8.1	24.5	0.99
I24	05 Aug 2024	2	16.11	85.59	8.3	33.45	8.1	24.5	1.11
I24	05 Aug 2024	3	15.57	84.45	8.2	33.45	8.1	24.6	1.64
I24	05 Aug 2024	4	14.40	82.51	8.4	33.44	8.1	24.9	2.14
I24	05 Aug 2024	5	14.03	81.66	8.2	33.43	8.1	25.0	2.83
I24	05 Aug 2024	6	13.33	78.97	7.2	33.46	8.1	25.1	3.82
I24	05 Aug 2024	7	12.51	75.94	5.9	33.49	7.9	25.3	3.47
I24	05 Aug 2024	8	12.16	76.07	5.1	33.49	7.8	25.4	2.57
I24	05 Aug 2024	9	11.95	76.75	4.8	33.49	7.8	25.4	2.19
I24	05 Aug 2024	10	12.26	65.32	4.9	33.49	7.8	25.4	2.10
I24	12 Aug 2024	1	21.23	75.16	9.0	33.43	8.2	23.2	2.10
I24	12 Aug 2024	2	20.55	71.89	9.2	33.47	8.2	23.4	2.45
I24	12 Aug 2024	3	19.67	74.39	9.4	33.45	8.2	23.7	2.96
I24	12 Aug 2024	4	18.36	74.63	9.8	33.48	8.2	24.0	3.29
I24	12 Aug 2024	5	17.68	73.47	10.1	33.43	8.2	24.1	4.87
I24	12 Aug 2024	6	17.34	68.96	10.3	33.43	8.2	24.2	6.48
I24	12 Aug 2024	7	16.77	70.76	10.6	33.43	8.3	24.4	6.63
I24	12 Aug 2024	8	16.55	73.91	10.8	33.42	8.3	24.4	6.51
I24	12 Aug 2024	9	16.23	74.55	10.4	33.42	8.2	24.5	6.53
I24	12 Aug 2024	10	16.02	73.33	10.1	33.42	8.2	24.5	6.91
I24	20 Aug 2024	1	22.85	83.76	8.2	33.51	8.2	22.8	0.82
I24	20 Aug 2024	2	21.97	83.03	8.6	33.49	8.2	23.1	0.92
I24	20 Aug 2024	3	21.39	81.45	8.9	33.45	8.2	23.2	1.15
I24	20 Aug 2024	4	20.92	79.28	8.9	33.44	8.2	23.3	1.54
I24	20 Aug 2024	5	19.90	75.92	8.9	33.43	8.2	23.6	2.11
I24	20 Aug 2024	6	18.89	73.54	9.3	33.39	8.2	23.8	3.07

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I24	20 Aug 2024	7	17.71	68.02	10.1	33.38	8.2	24.1	5.00
I24	20 Aug 2024	8	17.31	67.94	10.3	33.33	8.3	24.2	7.71
I24	20 Aug 2024	9	16.47	62.64	10.2	33.31	8.3	24.3	12.90
I24	20 Aug 2024	10	15.62	60.68	10.0	33.29	8.2	24.5	14.15
I24	20 Aug 2024	11	15.72	64.27	9.8	33.26	8.2	24.5	12.49
I24	27 Aug 2024	1	22.23	86.92	8.6	33.49	8.2	23.0	0.59
I24	27 Aug 2024	2	22.23	86.57	8.6	33.49	8.2	23.0	0.60
I24	27 Aug 2024	3	22.17	87.15	8.6	33.49	8.2	23.0	0.66
I24	27 Aug 2024	4	21.78	87.20	8.5	33.49	8.2	23.1	0.76
I24	27 Aug 2024	5	20.14	85.81	8.7	33.44	8.2	23.5	0.81
I24	27 Aug 2024	6	17.47	84.82	9.1	33.38	8.2	24.2	0.90
I24	27 Aug 2024	7	16.44	84.77	9.3	33.26	8.2	24.3	0.93
I24	27 Aug 2024	8	16.25	87.09	9.1	33.23	8.2	24.3	0.94
I24	27 Aug 2024	9	16.09	87.63	9.1	33.22	8.2	24.4	0.99
I24	27 Aug 2024	10	16.09	87.93	9.1	33.22	8.2	24.4	1.03
I25	05 Aug 2024	1	16.99	88.68	8.4	33.45	8.1	24.3	0.75
I25	05 Aug 2024	2	16.52	88.51	8.3	33.44	8.1	24.4	0.86
I25	05 Aug 2024	3	15.81	86.70	8.4	33.45	8.1	24.6	1.20
I25	05 Aug 2024	4	15.45	84.51	8.3	33.45	8.1	24.7	1.67
I25	05 Aug 2024	5	14.55	82.33	8.3	33.44	8.1	24.9	2.33
I25	05 Aug 2024	6	14.05	81.64	8.3	33.43	8.1	25.0	2.74
I25	05 Aug 2024	7	13.59	81.04	8.0	33.43	8.1	25.1	3.75
I25	05 Aug 2024	8	12.97	74.82	7.1	33.47	8.0	25.2	4.41
I25	05 Aug 2024	9	13.09	80.24	6.6	33.46	7.9	25.2	3.13
I25	12 Aug 2024	1	21.22	70.26	9.1	33.41	8.2	23.2	3.02
I25	12 Aug 2024	2	20.91	71.26	9.1	33.42	8.2	23.3	3.30
I25	12 Aug 2024	3	20.48	72.89	9.2	33.45	8.2	23.5	3.56
I25	12 Aug 2024	4	19.20	73.81	9.7	33.47	8.2	23.8	3.54
I25	12 Aug 2024	5	18.17	75.85	10.1	33.46	8.3	24.1	3.83
I25	12 Aug 2024	6	17.72	73.67	10.2	33.41	8.3	24.1	5.62
I25	12 Aug 2024	7	17.35	69.89	10.3	33.43	8.3	24.2	6.61
I25	12 Aug 2024	8	16.67	71.77	10.4	33.42	8.2	24.4	6.28
I25	12 Aug 2024	9	16.57	74.56	10.2	33.41	8.2	24.4	5.42
I25	20 Aug 2024	1	23.19	84.06	8.2	33.49	8.2	22.7	0.79
I25	20 Aug 2024	2	23.15	83.81	8.1	33.49	8.2	22.7	0.82
I25	20 Aug 2024	3	21.72	83.81	8.7	33.51	8.2	23.2	1.01
I25	20 Aug 2024	4	20.99	82.04	9.1	33.45	8.2	23.3	1.20
I25	20 Aug 2024	5	20.39	79.63	9.3	33.42	8.2	23.5	1.62
I25	20 Aug 2024	6	19.46	76.95	9.5	33.42	8.3	23.7	2.50
I25	20 Aug 2024	7	17.92	73.48	9.9	33.38	8.2	24.0	3.89
I25	20 Aug 2024	8	17.40	71.12	9.8	33.34	8.2	24.1	5.57
I25	20 Aug 2024	9	16.34	68.75	9.5	33.31	8.2	24.4	6.22
I25	27 Aug 2024	1	22.22	87.75	8.8	33.49	8.2	23.0	0.58
I25	27 Aug 2024	2	22.23	87.76	8.8	33.49	8.2	23.0	0.58
I25	27 Aug 2024	3	22.22	87.71	8.8	33.49	8.2	23.0	0.62
I25	27 Aug 2024	4	22.21	87.72	8.8	33.49	8.2	23.0	0.69
I25	27 Aug 2024	5	22.19	87.59	8.8	33.49	8.2	23.0	0.76
I25	27 Aug 2024	6	22.04	86.92	8.8	33.48	8.3	23.1	0.99
I25	27 Aug 2024	7	21.84	86.41	8.4	33.46	8.2	23.1	1.19
I25	27 Aug 2024	8	17.79	84.93	9.0	33.39	8.2	24.1	1.21
I25	27 Aug 2024	9	16.72	85.77	9.5	33.22	8.2	24.2	1.20
I39	05 Aug 2024	1	17.05	95.34	8.6	33.40	8.2	24.3	0.17
I39	05 Aug 2024	2	16.89	94.89	8.6	33.41	8.2	24.3	0.19
I39	05 Aug 2024	3	16.74	94.73	8.5	33.41	8.2	24.4	0.24
I39	05 Aug 2024	4	16.15	94.53	8.6	33.43	8.1	24.5	0.32

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I39	05 Aug 2024	5	15.42	92.04	8.7	33.45	8.1	24.7	0.53
I39	05 Aug 2024	6	14.86	88.74	8.4	33.41	8.1	24.8	0.77
I39	05 Aug 2024	7	13.37	86.34	8.5	33.40	8.1	25.1	1.40
I39	05 Aug 2024	8	13.23	86.54	8.4	33.38	8.1	25.1	1.66
I39	05 Aug 2024	9	13.01	87.65	8.2	33.38	8.1	25.1	1.89
I39	05 Aug 2024	10	12.84	88.24	8.2	33.40	8.1	25.2	2.29
I39	05 Aug 2024	11	12.83	87.81	7.9	33.40	8.1	25.2	3.58
I39	05 Aug 2024	12	12.45	86.34	7.0	33.44	8.0	25.3	3.61
I39	05 Aug 2024	13	11.83	85.88	5.9	33.49	7.9	25.5	3.17
I39	05 Aug 2024	14	11.76	89.25	5.2	33.50	7.8	25.5	2.64
I39	05 Aug 2024	15	11.69	90.84	4.9	33.50	7.8	25.5	2.10
I39	05 Aug 2024	16	11.56	91.14	4.8	33.51	7.8	25.5	1.92
I39	05 Aug 2024	17	11.47	91.75	4.7	33.52	7.8	25.5	1.53
I39	05 Aug 2024	18	11.43	92.18	4.5	33.53	7.8	25.6	1.27
I39	12 Aug 2024	1	21.05	73.19	8.8	33.33	8.2	23.2	2.37
I39	12 Aug 2024	2	20.50	74.44	9.2	33.39	8.2	23.4	2.40
I39	12 Aug 2024	3	20.22	76.28	9.3	33.43	8.2	23.5	2.38
I39	12 Aug 2024	4	19.21	78.35	9.7	33.48	8.2	23.8	2.49
I39	12 Aug 2024	5	18.60	79.47	9.9	33.45	8.2	23.9	3.01
I39	12 Aug 2024	6	17.51	80.12	10.3	33.48	8.2	24.2	3.25
I39	12 Aug 2024	7	16.45	80.41	10.6	33.45	8.2	24.5	3.67
I39	12 Aug 2024	8	16.03	78.51	10.9	33.42	8.2	24.5	4.62
I39	12 Aug 2024	9	15.42	77.97	11.1	33.43	8.3	24.7	5.14
I39	12 Aug 2024	10	15.07	76.44	10.6	33.41	8.2	24.7	5.75
I39	12 Aug 2024	11	14.82	76.25	9.6	33.43	8.2	24.8	5.86
I39	12 Aug 2024	12	14.54	75.15	9.0	33.43	8.1	24.9	5.80
I39	12 Aug 2024	13	14.52	76.18	8.8	33.42	8.1	24.9	5.25
I39	12 Aug 2024	14	14.51	77.81	8.7	33.43	8.1	24.9	4.95
I39	12 Aug 2024	15	14.51	77.91	8.6	33.43	8.1	24.9	4.60
I39	12 Aug 2024	16	14.49	78.26	8.5	33.44	8.1	24.9	4.35
I39	12 Aug 2024	17	14.28	78.70	8.1	33.46	8.1	24.9	3.89
I39	12 Aug 2024	18	13.58	80.05	7.6	33.47	8.0	25.1	3.30
I39	20 Aug 2024	1	22.91	74.55	7.9	33.47	8.2	22.8	0.75
I39	20 Aug 2024	2	22.86	65.23	7.9	33.51	8.2	22.8	0.80
I39	20 Aug 2024	3	22.71	83.94	8.0	33.50	8.2	22.9	0.91
I39	20 Aug 2024	4	22.45	87.37	8.0	33.50	8.2	23.0	0.99
I39	20 Aug 2024	5	21.63	87.58	8.0	33.49	8.2	23.2	1.00
I39	20 Aug 2024	6	20.47	89.49	8.4	33.42	8.2	23.4	1.10
I39	20 Aug 2024	7	19.03	90.43	9.4	33.38	8.2	23.8	1.77
I39	20 Aug 2024	8	18.30	88.01	10.2	33.32	8.3	23.9	2.43
I39	20 Aug 2024	9	18.21	88.35	10.1	33.28	8.3	23.9	2.48
I39	20 Aug 2024	10	17.20	91.22	9.6	33.31	8.3	24.2	2.18
I39	20 Aug 2024	11	16.16	92.31	9.8	33.23	8.2	24.4	1.78
I39	20 Aug 2024	12	15.86	92.45	10.1	33.25	8.3	24.4	1.93
I39	20 Aug 2024	13	15.57	89.30	9.9	33.29	8.3	24.5	3.92
I39	20 Aug 2024	14	15.14	74.81	9.6	33.28	8.2	24.6	8.22
I39	20 Aug 2024	15	14.95	67.54	9.3	33.28	8.2	24.7	10.01
I39	20 Aug 2024	16	14.42	70.62	9.1	33.26	8.2	24.8	8.96
I39	20 Aug 2024	17	14.37	78.47	9.1	33.25	8.2	24.8	6.59
I39	20 Aug 2024	18	14.37	83.24	9.0	33.26	8.2	24.8	5.02
I39	27 Aug 2024	1	22.13	89.11	8.8	33.49	8.3	23.0	0.69
I39	27 Aug 2024	2	22.13	88.98	8.8	33.50	8.3	23.0	0.73
I39	27 Aug 2024	3	22.12	89.06	8.8	33.50	8.3	23.0	0.81
I39	27 Aug 2024	4	22.10	89.11	8.8	33.49	8.3	23.0	0.89
I39	27 Aug 2024	5	22.03	89.12	8.8	33.49	8.3	23.1	0.91
I39	27 Aug 2024	6	21.87	89.39	9.0	33.48	8.2	23.1	1.03
I39	27 Aug 2024	7	21.57	89.86	9.1	33.47	8.2	23.2	1.06
I39	27 Aug 2024	8	21.27	89.93	9.2	33.45	8.2	23.2	1.23

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I39	27 Aug 2024	9	20.92	89.92	9.3	33.44	8.2	23.3	1.50
I39	27 Aug 2024	10	20.66	89.54	9.4	33.42	8.2	23.4	1.60
I39	27 Aug 2024	11	20.17	89.21	9.4	33.41	8.2	23.5	1.64
I39	27 Aug 2024	12	19.96	88.72	9.4	33.39	8.2	23.5	1.72
I39	27 Aug 2024	13	19.27	88.42	9.3	33.38	8.2	23.7	1.73
I39	27 Aug 2024	14	18.12	87.78	9.4	33.31	8.2	24.0	1.78
I39	27 Aug 2024	15	16.54	86.44	9.3	33.33	8.2	24.3	2.11
I39	27 Aug 2024	16	15.20	79.16	8.7	33.24	8.1	24.6	3.61
I39	27 Aug 2024	17	14.44	80.15	8.0	33.21	8.1	24.7	3.82
I39	27 Aug 2024	18	14.36	82.75	7.8	33.20	8.0	24.7	3.48
I26	05 Aug 2024	1	16.60	86.19	8.3	33.45	8.1	24.4	0.90
I26	05 Aug 2024	2	16.27	86.07	8.2	33.45	8.1	24.5	0.95
I26	05 Aug 2024	3	15.73	85.79	8.2	33.45	8.1	24.6	1.25
I26	05 Aug 2024	4	15.28	84.29	8.2	33.46	8.1	24.7	1.73
I26	05 Aug 2024	5	14.73	82.18	8.2	33.46	8.1	24.8	2.54
I26	05 Aug 2024	6	14.41	80.62	8.2	33.44	8.1	24.9	3.13
I26	05 Aug 2024	7	13.88	80.85	8.4	33.42	8.1	25.0	3.47
I26	05 Aug 2024	8	13.42	82.16	8.3	33.43	8.1	25.1	3.79
I26	05 Aug 2024	9	12.85	80.75	7.4	33.46	8.1	25.2	4.89
I26	12 Aug 2024	1	21.33	75.56	8.8	33.42	8.2	23.2	2.21
I26	12 Aug 2024	2	20.75	73.62	9.1	33.42	8.2	23.4	3.15
I26	12 Aug 2024	3	20.55	70.54	9.0	33.41	8.2	23.4	4.40
I26	12 Aug 2024	4	19.80	71.98	8.4	33.46	8.2	23.6	4.69
I26	12 Aug 2024	5	18.94	76.03	7.9	33.43	8.1	23.8	4.49
I26	12 Aug 2024	6	18.65	78.10	8.3	33.42	8.2	23.9	4.58
I26	12 Aug 2024	7	18.46	78.55	8.6	33.42	8.2	23.9	4.16
I26	12 Aug 2024	8	18.00	77.01	8.7	33.43	8.2	24.1	4.39
I26	12 Aug 2024	9	17.07	77.90	8.8	33.46	8.2	24.3	4.42
I26	20 Aug 2024	1	23.17	83.35	8.1	33.49	8.2	22.7	0.68
I26	20 Aug 2024	2	22.43	83.18	8.4	33.50	8.2	23.0	0.83
I26	20 Aug 2024	3	21.35	82.54	9.0	33.46	8.2	23.2	1.09
I26	20 Aug 2024	4	20.94	81.34	9.3	33.43	8.3	23.3	1.29
I26	20 Aug 2024	5	20.38	78.39	9.5	33.42	8.3	23.5	1.63
I26	20 Aug 2024	6	19.62	76.28	9.7	33.40	8.3	23.6	2.25
I26	20 Aug 2024	7	18.97	74.48	9.8	33.38	8.3	23.8	3.02
I26	20 Aug 2024	8	17.86	74.14	10.1	33.37	8.2	24.1	3.83
I26	20 Aug 2024	9	17.58	71.95	9.9	33.37	8.2	24.1	4.68
I26	27 Aug 2024	1	22.21	87.22	8.8	33.49	8.2	23.0	0.56
I26	27 Aug 2024	2	22.17	87.47	8.7	33.49	8.2	23.0	0.58
I26	27 Aug 2024	3	22.13	87.52	8.8	33.48	8.2	23.0	0.66
I26	27 Aug 2024	4	22.09	86.82	8.8	33.48	8.2	23.0	0.74
I26	27 Aug 2024	5	21.99	86.60	8.8	33.48	8.2	23.1	0.89
I26	27 Aug 2024	6	21.75	86.14	8.7	33.48	8.2	23.1	1.07
I26	27 Aug 2024	7	20.16	84.85	8.7	33.47	8.2	23.5	1.22
I26	27 Aug 2024	8	17.21	82.08	9.1	33.32	8.2	24.2	1.39
I26	27 Aug 2024	9	16.33	82.13	9.1	33.29	8.2	24.4	1.57
I32	05 Aug 2024	1	16.48	80.93	8.7	33.45	8.1	24.4	1.15
I32	05 Aug 2024	2	16.35	80.95	8.7	33.45	8.1	24.5	1.46
I32	05 Aug 2024	3	16.17	79.46	8.8	33.45	8.2	24.5	1.72
I32	05 Aug 2024	4	15.95	77.61	8.7	33.45	8.2	24.6	1.88
I32	05 Aug 2024	5	15.21	77.37	8.7	33.44	8.1	24.7	2.51
I32	05 Aug 2024	6	15.17	79.55	8.5	33.42	8.1	24.7	2.85
I32	05 Aug 2024	7	14.23	80.68	8.6	33.42	8.1	24.9	3.37
I32	05 Aug 2024	8	14.01	80.63	8.6	33.42	8.1	25.0	3.57
I32	05 Aug 2024	9	13.46	80.11	7.6	33.45	8.1	25.1	4.73
I32	05 Aug 2024	10	12.65	71.10	5.9	33.50	7.9	25.3	8.01

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I32	12 Aug 2024	1	21.75	75.37	8.6	33.44	8.2	23.1	3.04
I32	12 Aug 2024	2	21.46	75.02	8.5	33.43	8.2	23.2	3.51
I32	12 Aug 2024	3	20.93	72.56	8.5	33.41	8.2	23.3	4.66
I32	12 Aug 2024	4	20.12	69.35	9.2	33.39	8.2	23.5	5.15
I32	12 Aug 2024	5	19.55	68.40	9.6	33.41	8.3	23.7	5.11
I32	12 Aug 2024	6	19.07	71.55	9.7	33.40	8.2	23.8	5.24
I32	12 Aug 2024	7	18.59	71.14	9.2	33.43	8.2	23.9	5.93
I32	12 Aug 2024	8	17.18	66.09	8.5	33.44	8.2	24.3	7.60
I32	12 Aug 2024	9	16.66	65.03	8.1	33.43	8.1	24.4	6.82
I32	12 Aug 2024	10	16.45	66.18	8.0	33.43	8.1	24.4	6.00
I32	20 Aug 2024	1	23.14	76.62	8.2	33.47	8.3	22.7	0.71
I32	20 Aug 2024	2	22.72	68.74	8.2	33.51	8.3	22.9	0.84
I32	20 Aug 2024	3	22.00	75.45	8.5	33.48	8.2	23.1	1.13
I32	20 Aug 2024	4	21.34	75.11	8.9	33.46	8.2	23.2	1.45
I32	20 Aug 2024	5	20.98	76.06	9.1	33.43	8.2	23.3	1.94
I32	20 Aug 2024	6	19.94	73.60	9.0	33.44	8.2	23.6	3.02
I32	20 Aug 2024	7	18.31	67.98	9.0	33.42	8.2	24.0	5.94
I32	20 Aug 2024	8	17.30	61.32	9.3	33.38	8.2	24.2	8.69
I32	20 Aug 2024	9	17.06	61.28	9.5	33.34	8.2	24.2	10.04
I32	20 Aug 2024	10	16.88	62.38	9.5	33.34	8.2	24.3	8.95
I32	27 Aug 2024	1	22.38	80.38	8.7	33.49	8.2	23.0	1.30
I32	27 Aug 2024	2	22.38	77.96	8.7	33.49	8.2	23.0	1.33
I32	27 Aug 2024	3	22.34	80.15	8.6	33.49	8.3	23.0	1.62
I32	27 Aug 2024	4	20.57	78.87	8.3	33.49	8.2	23.5	2.02
I32	27 Aug 2024	5	18.88	72.45	8.4	33.34	8.2	23.8	2.42
I32	27 Aug 2024	6	16.92	70.62	8.5	33.28	8.1	24.2	2.77
I32	27 Aug 2024	7	16.77	70.13	8.5	33.25	8.1	24.2	3.22
I32	27 Aug 2024	8	16.44	69.75	8.5	33.25	8.1	24.3	4.24
I32	27 Aug 2024	9	16.24	68.54	8.3	33.25	8.1	24.3	5.77
I32	27 Aug 2024	10	16.21	65.92	8.3	33.24	8.1	24.4	6.73

NA = not available

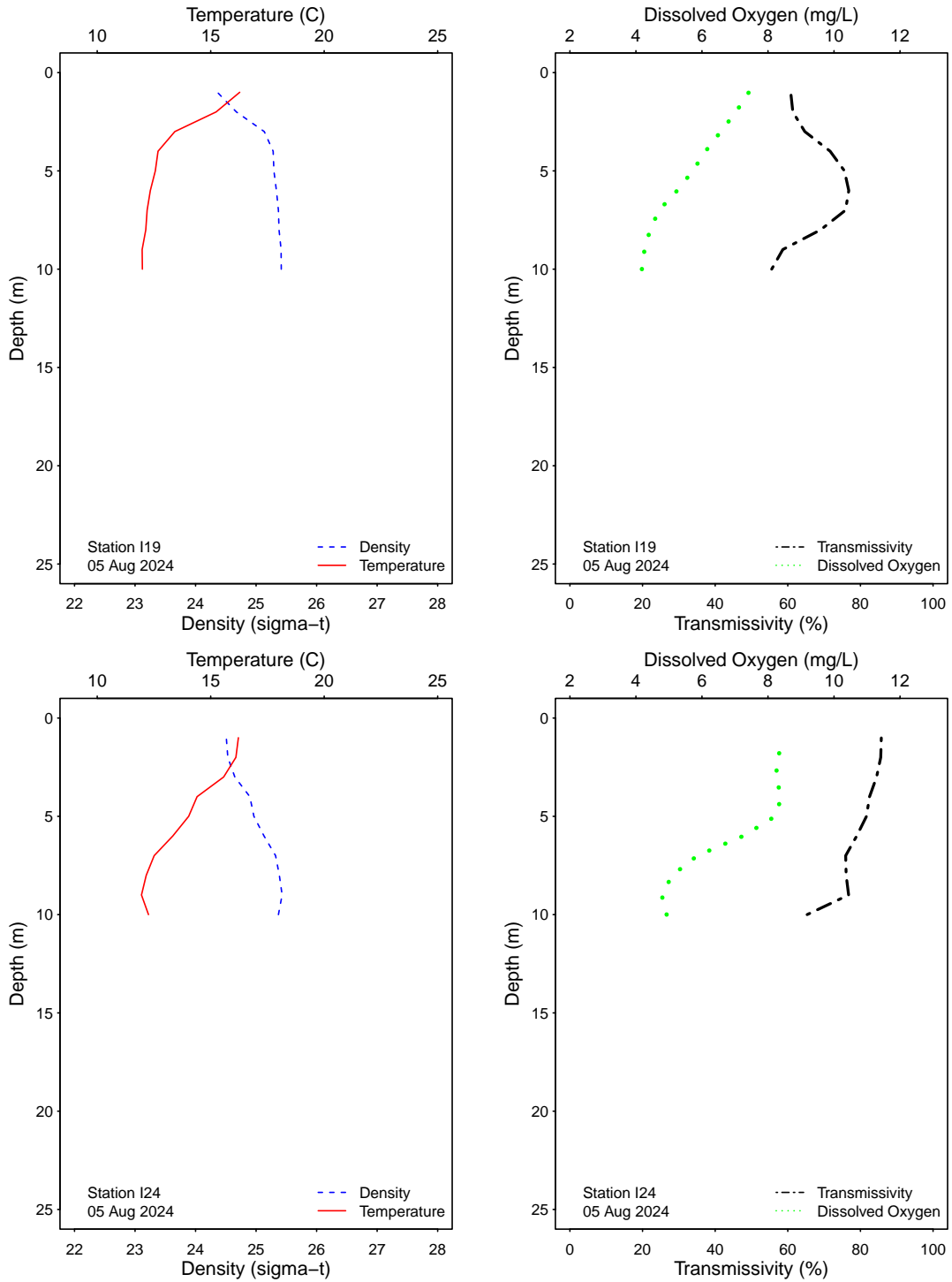


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

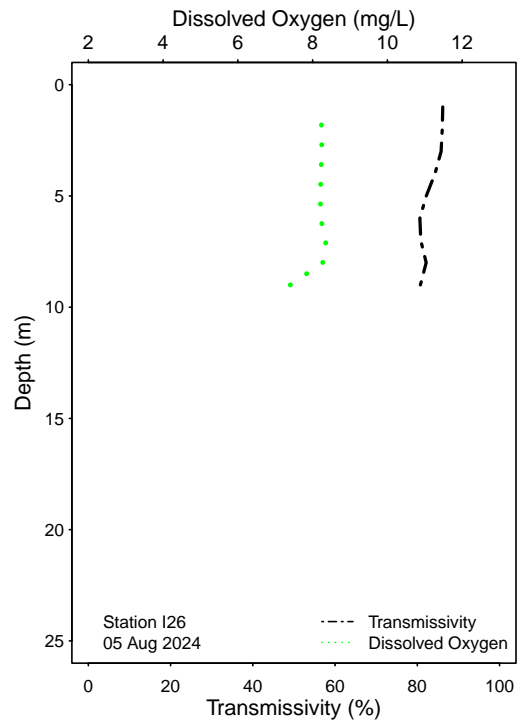
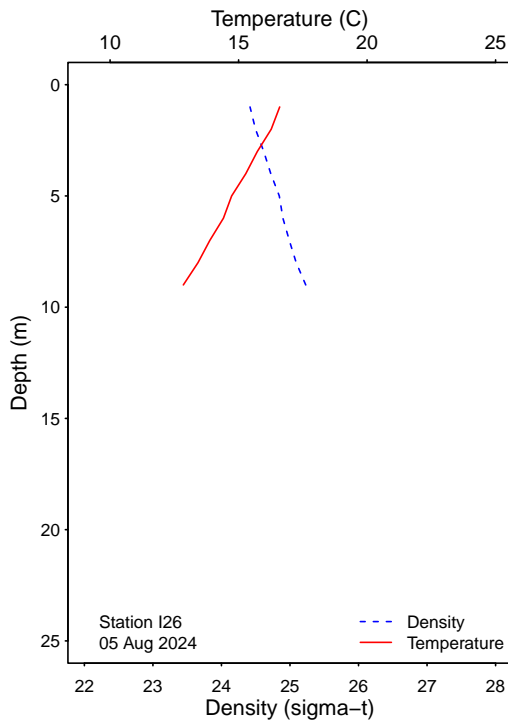
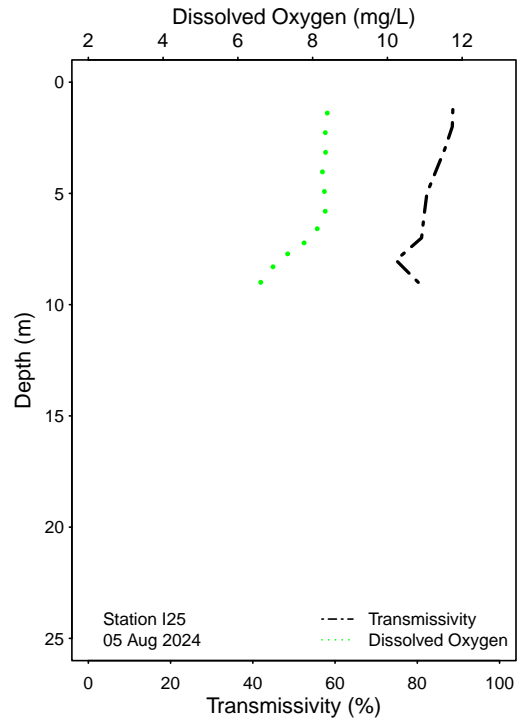
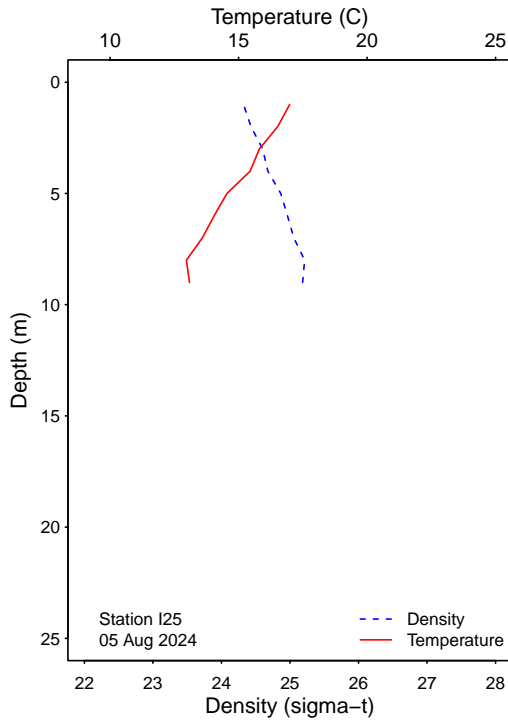


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

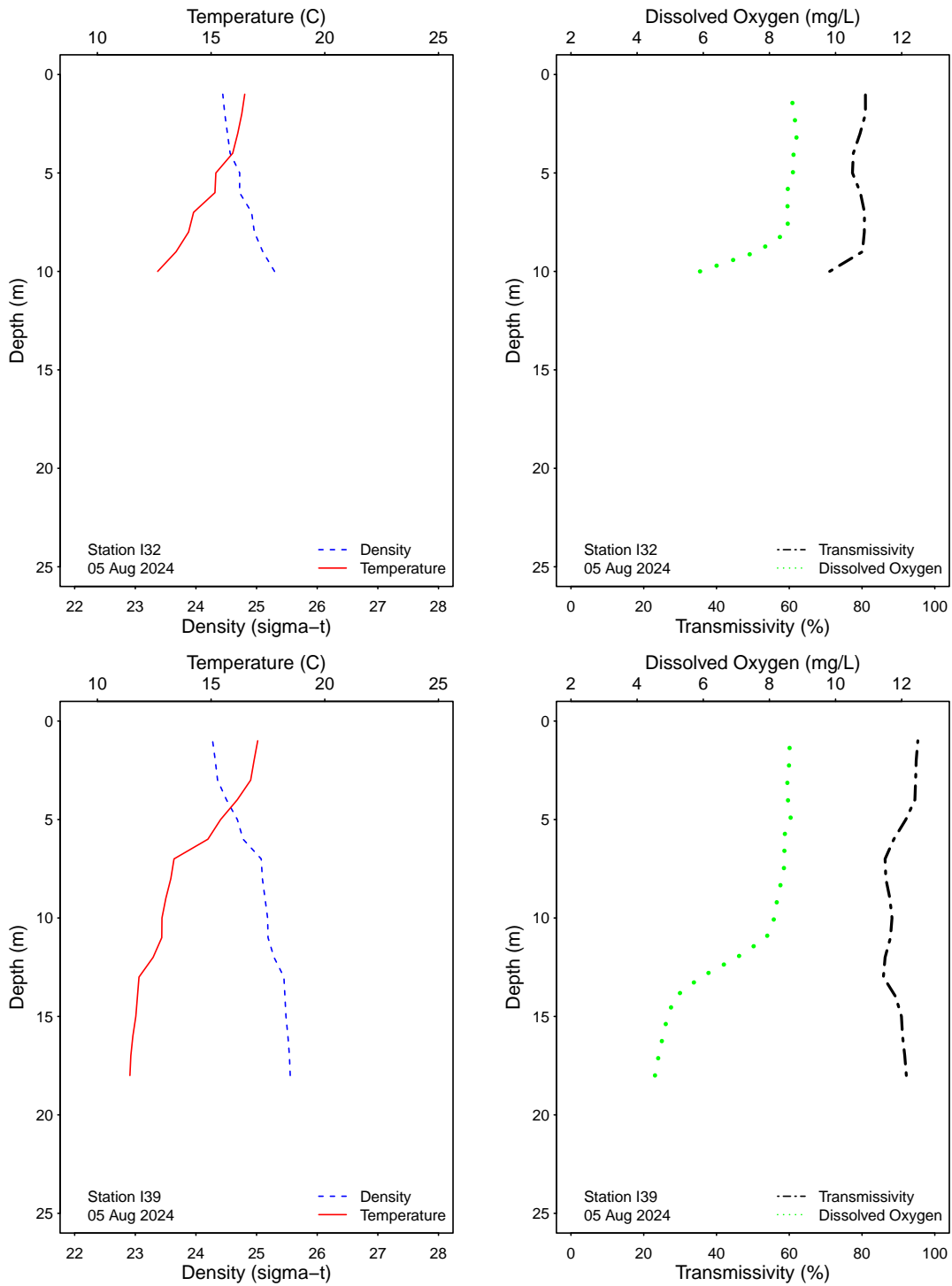


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

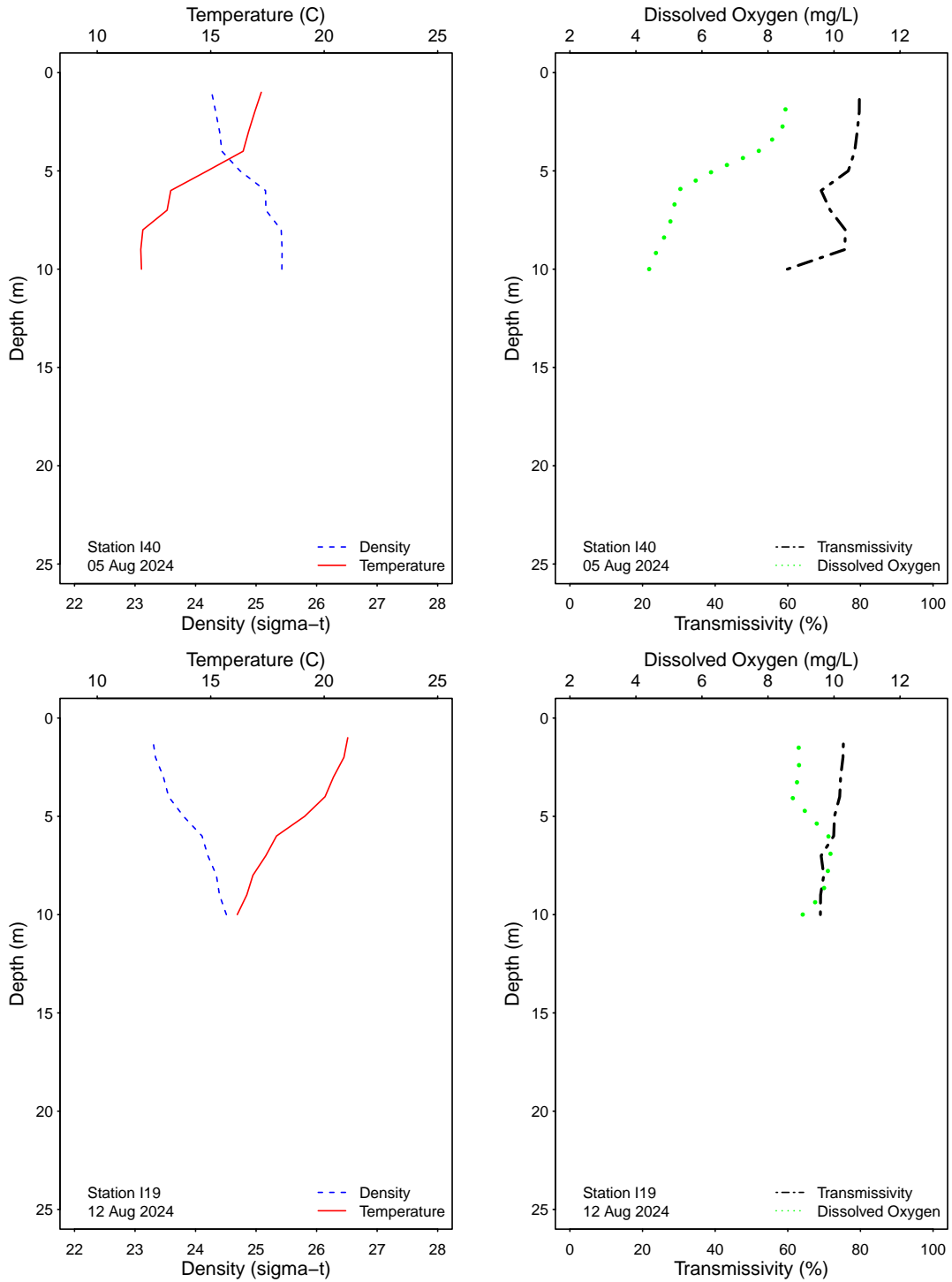


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

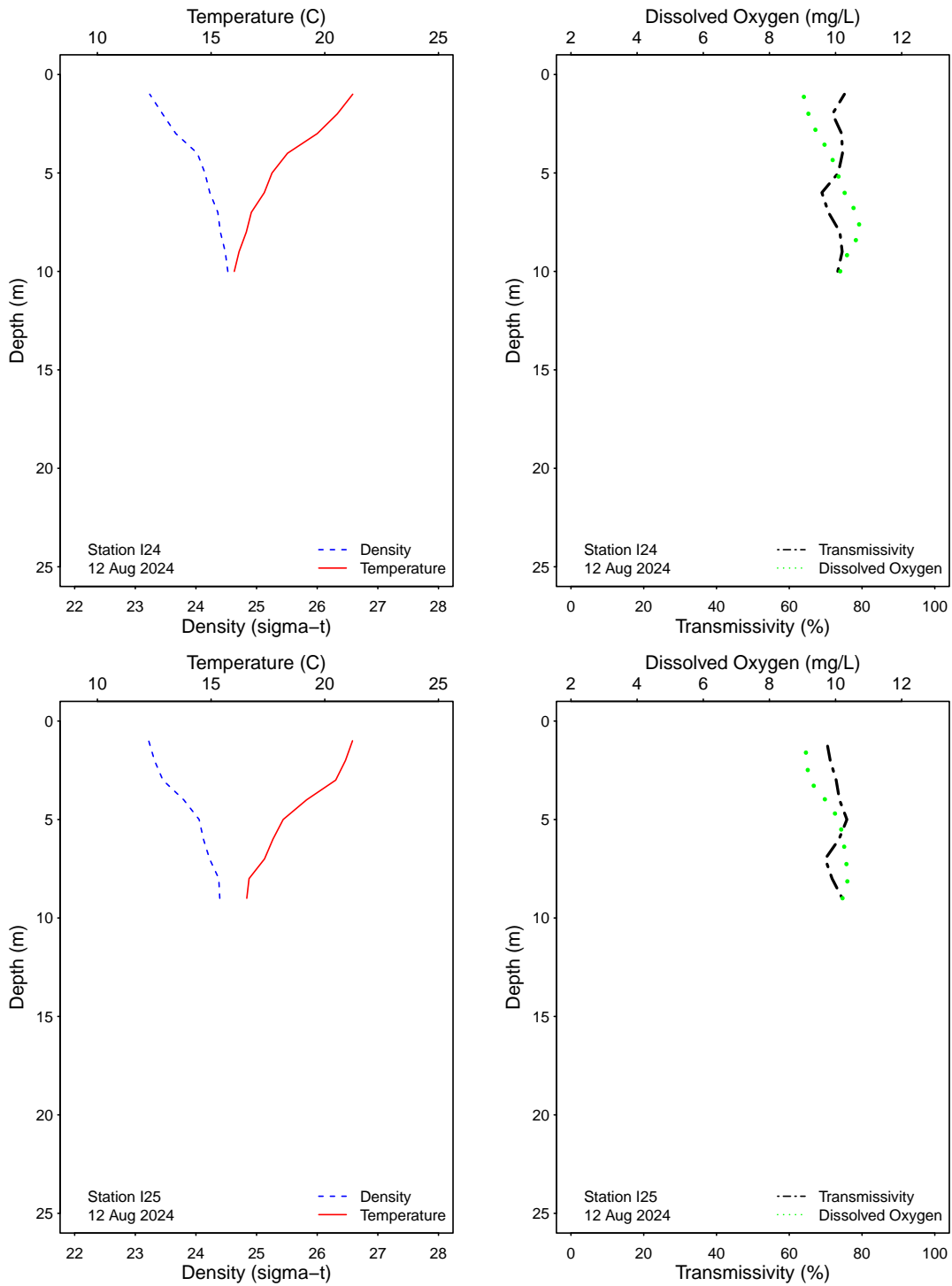


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

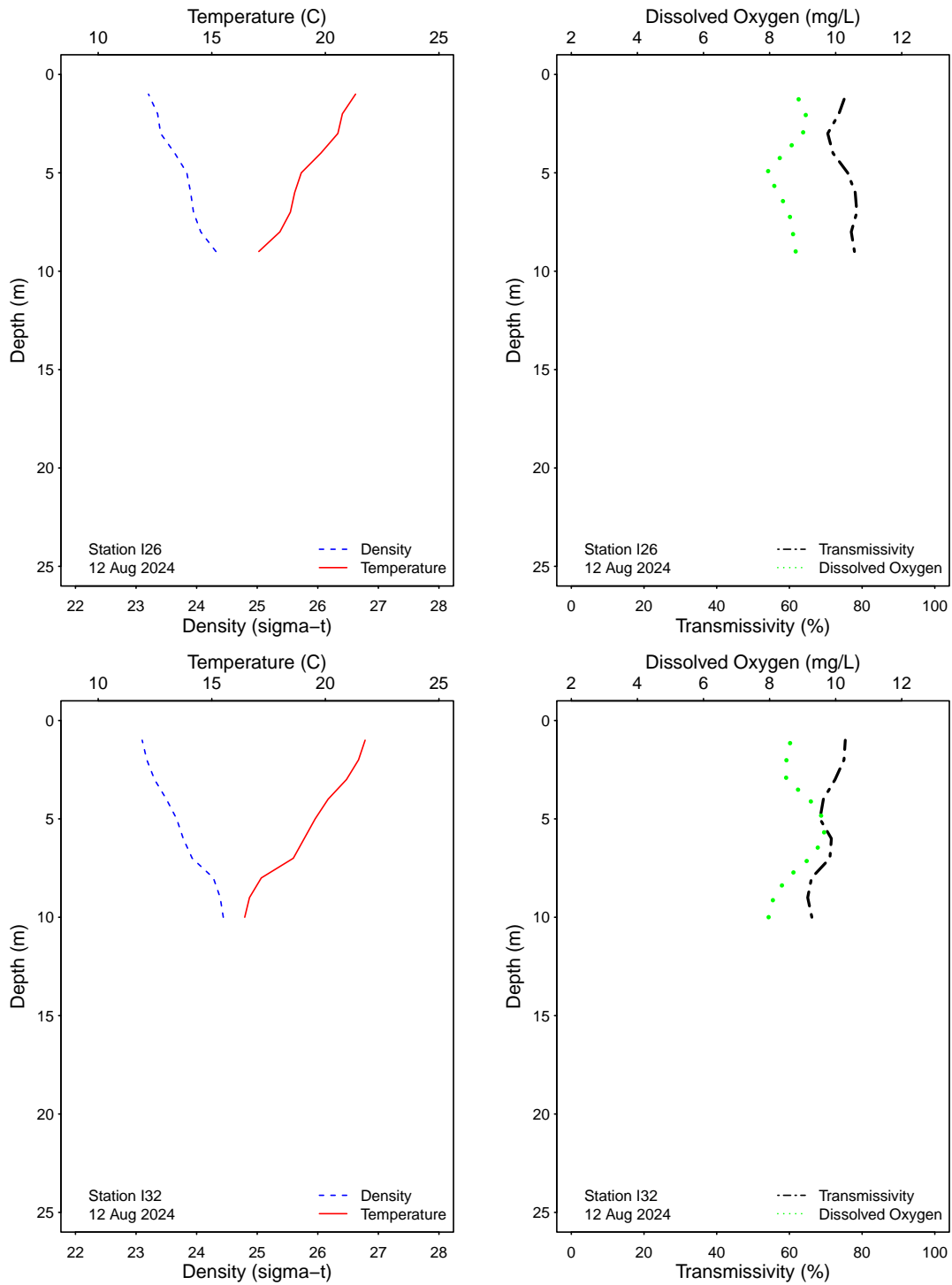


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

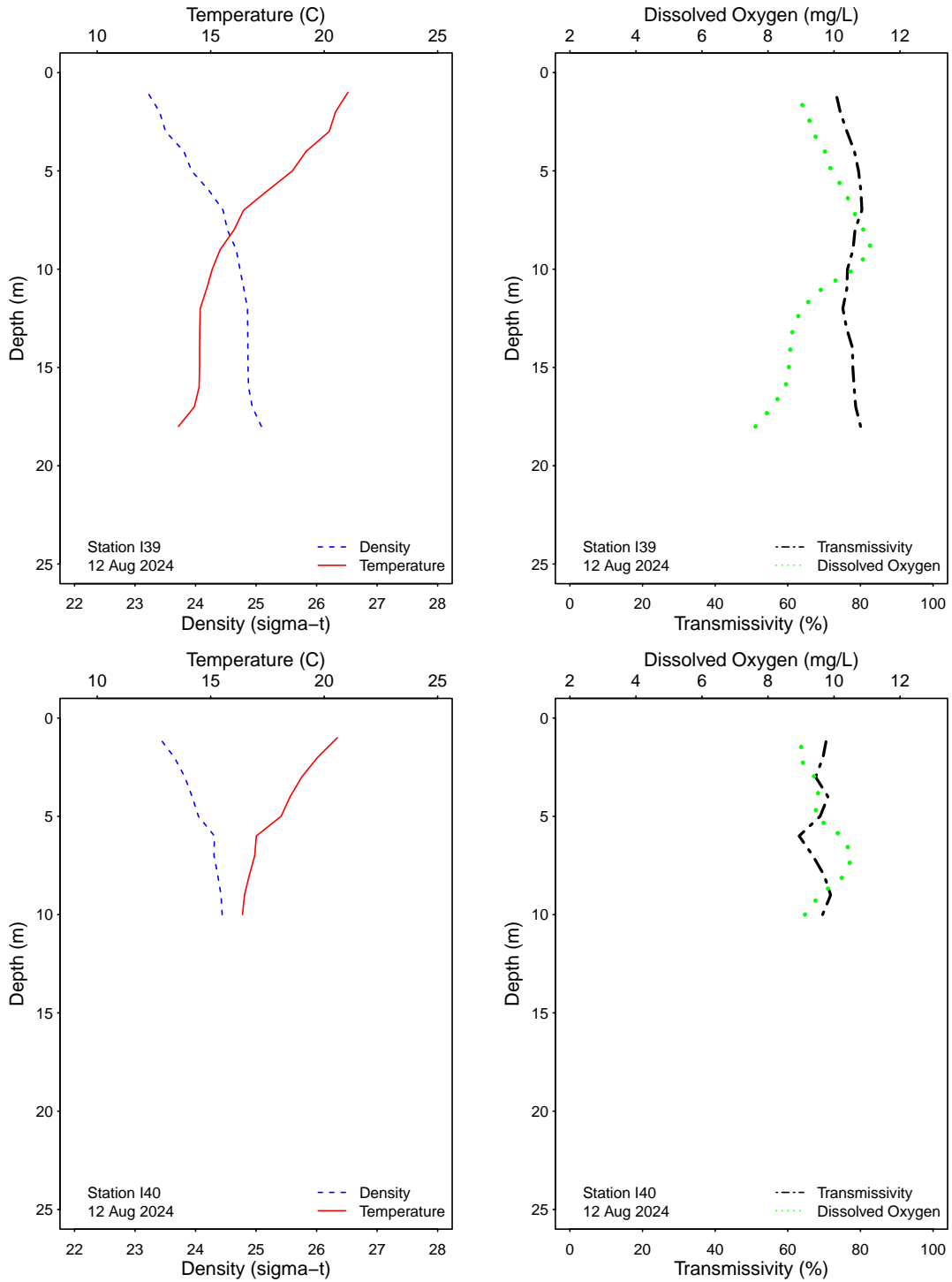


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

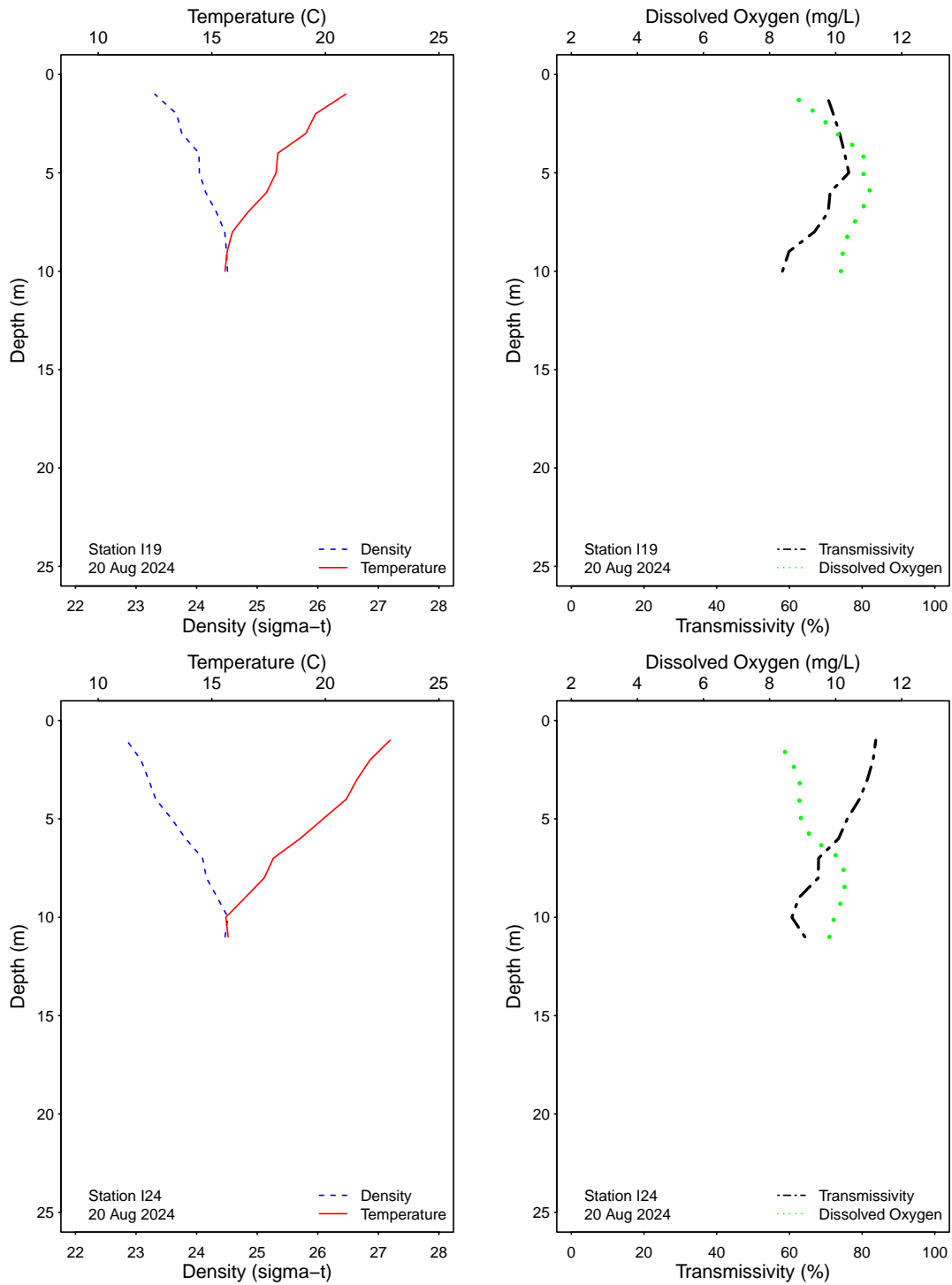


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

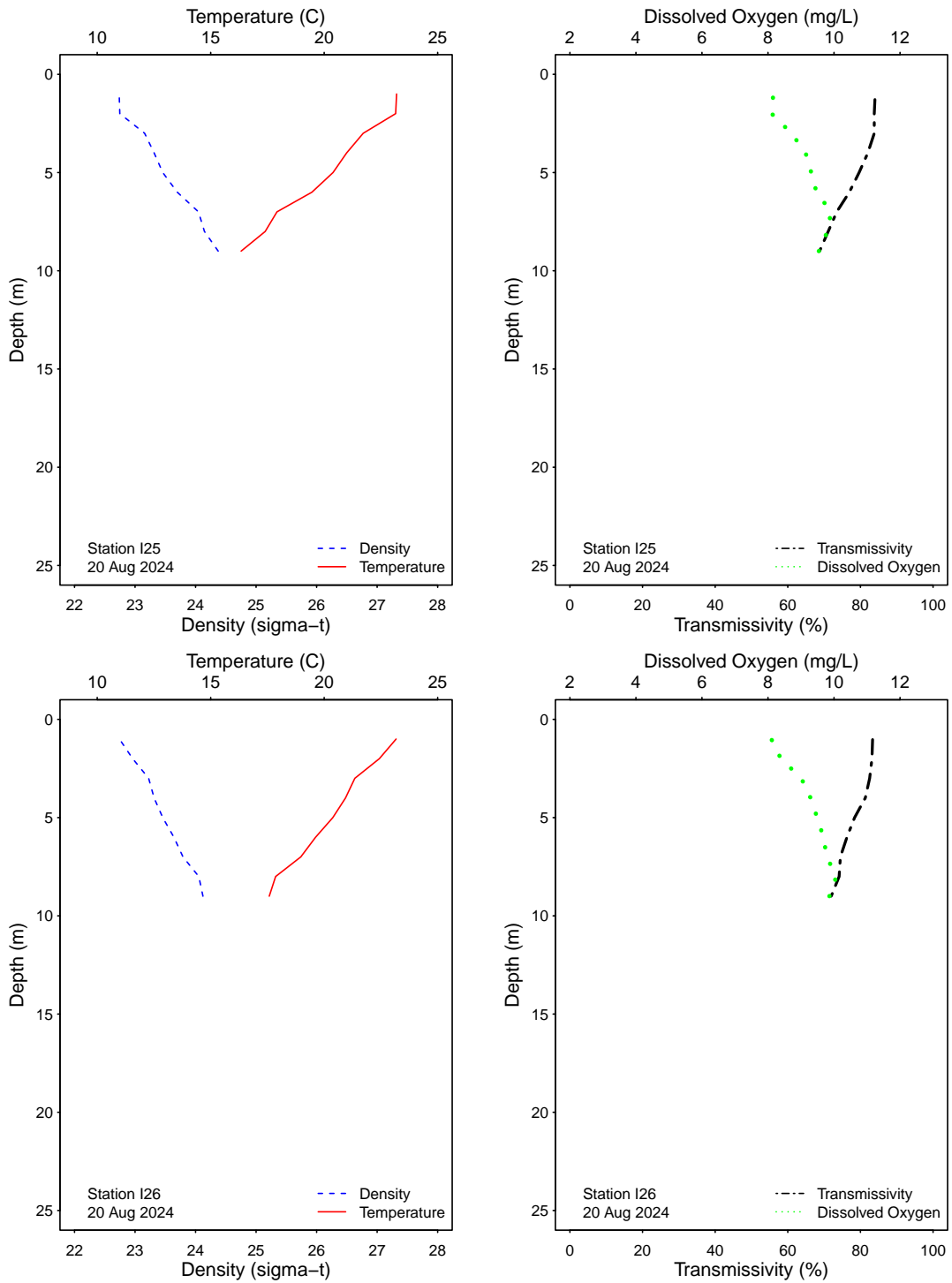


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

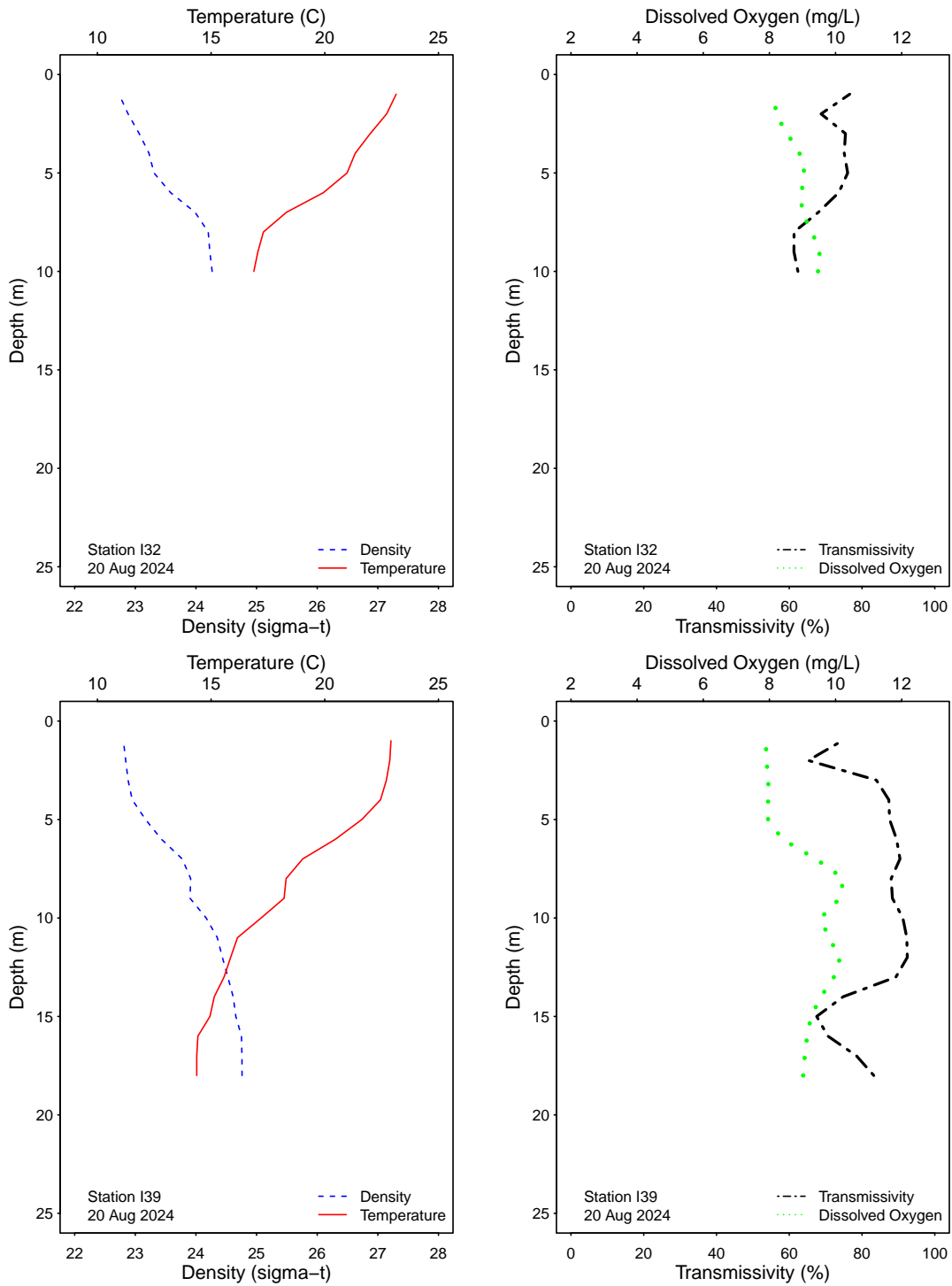


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

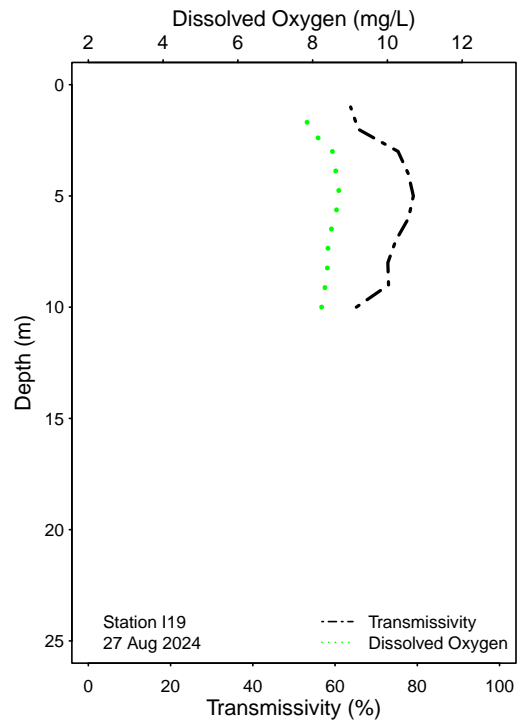
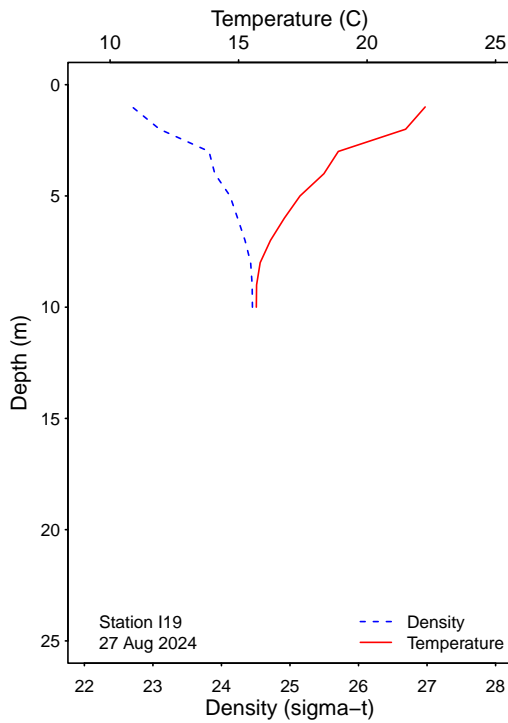
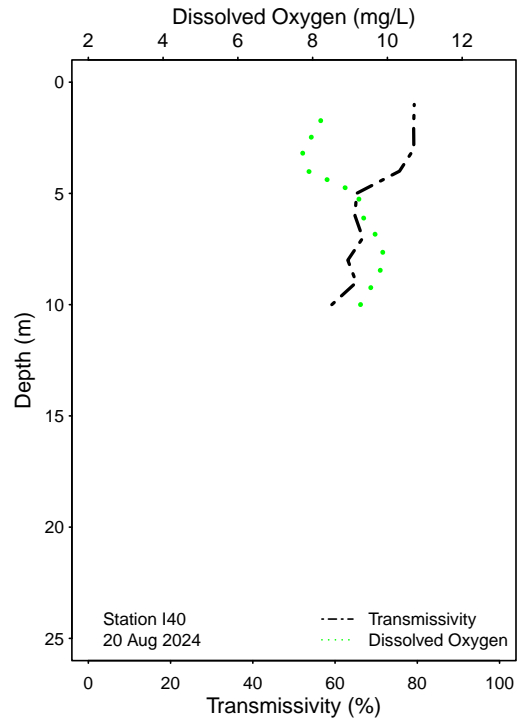
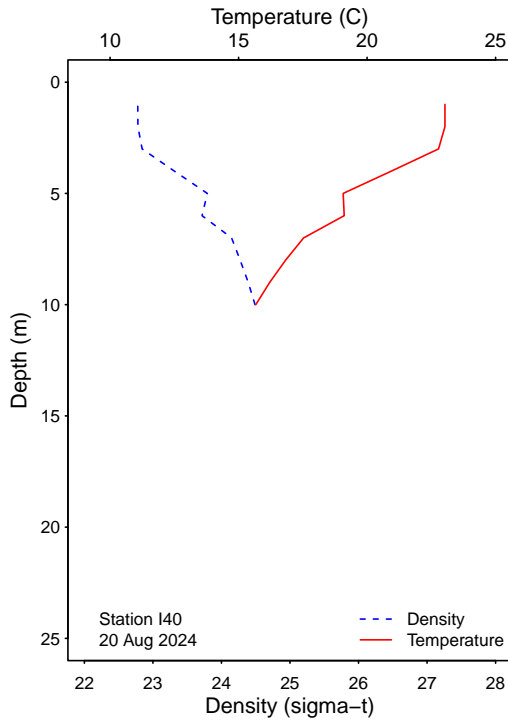


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

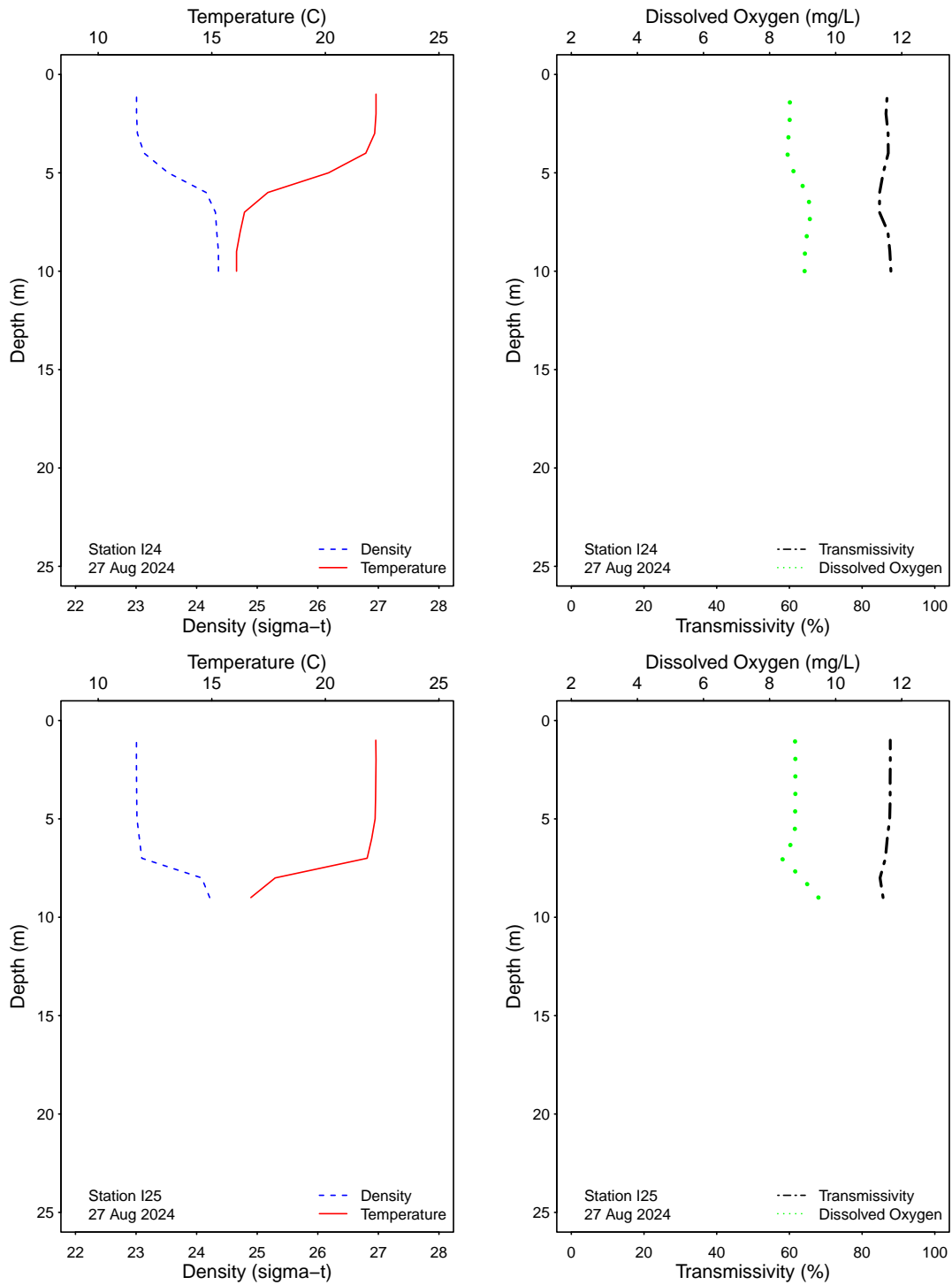


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

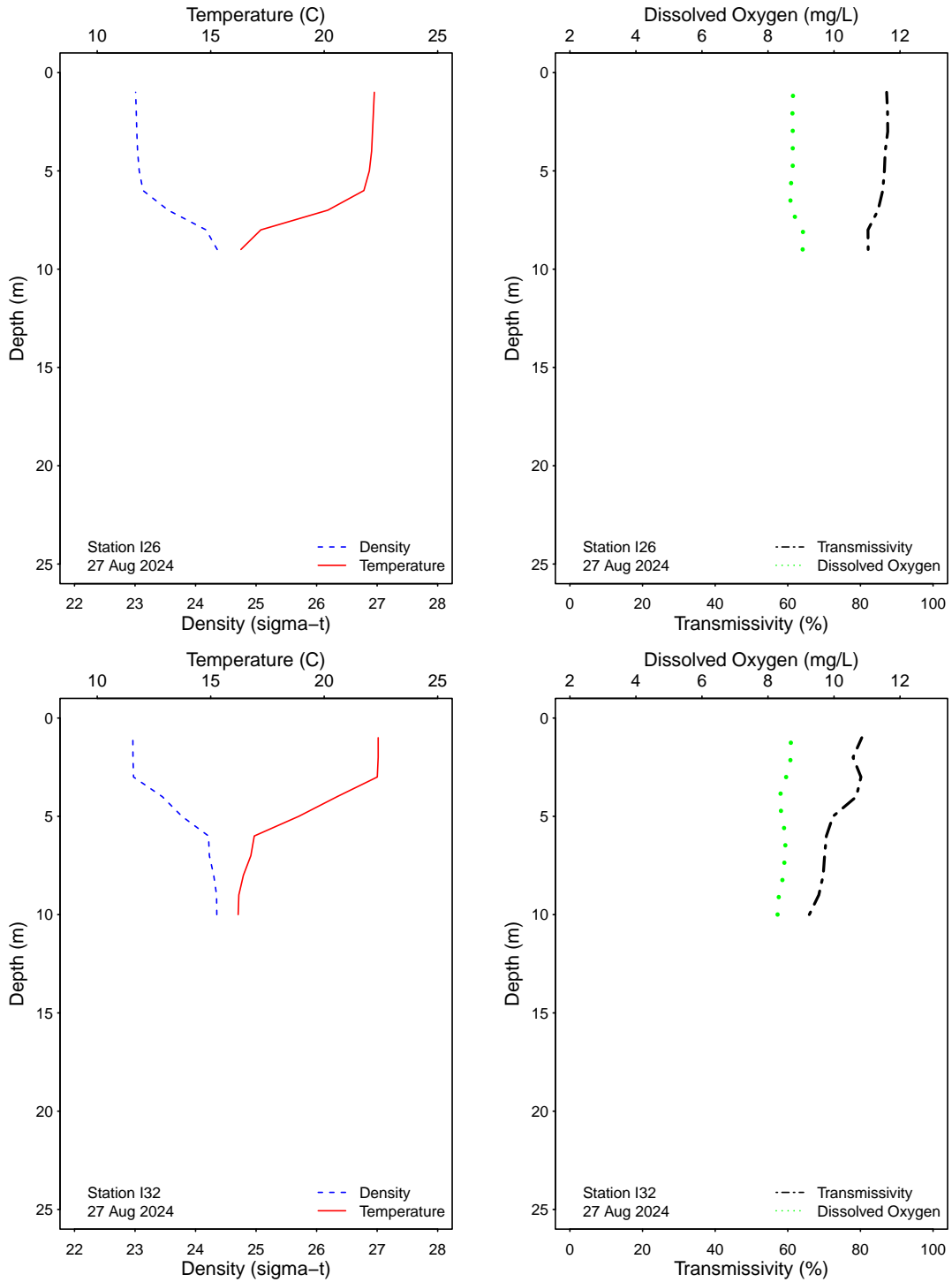


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

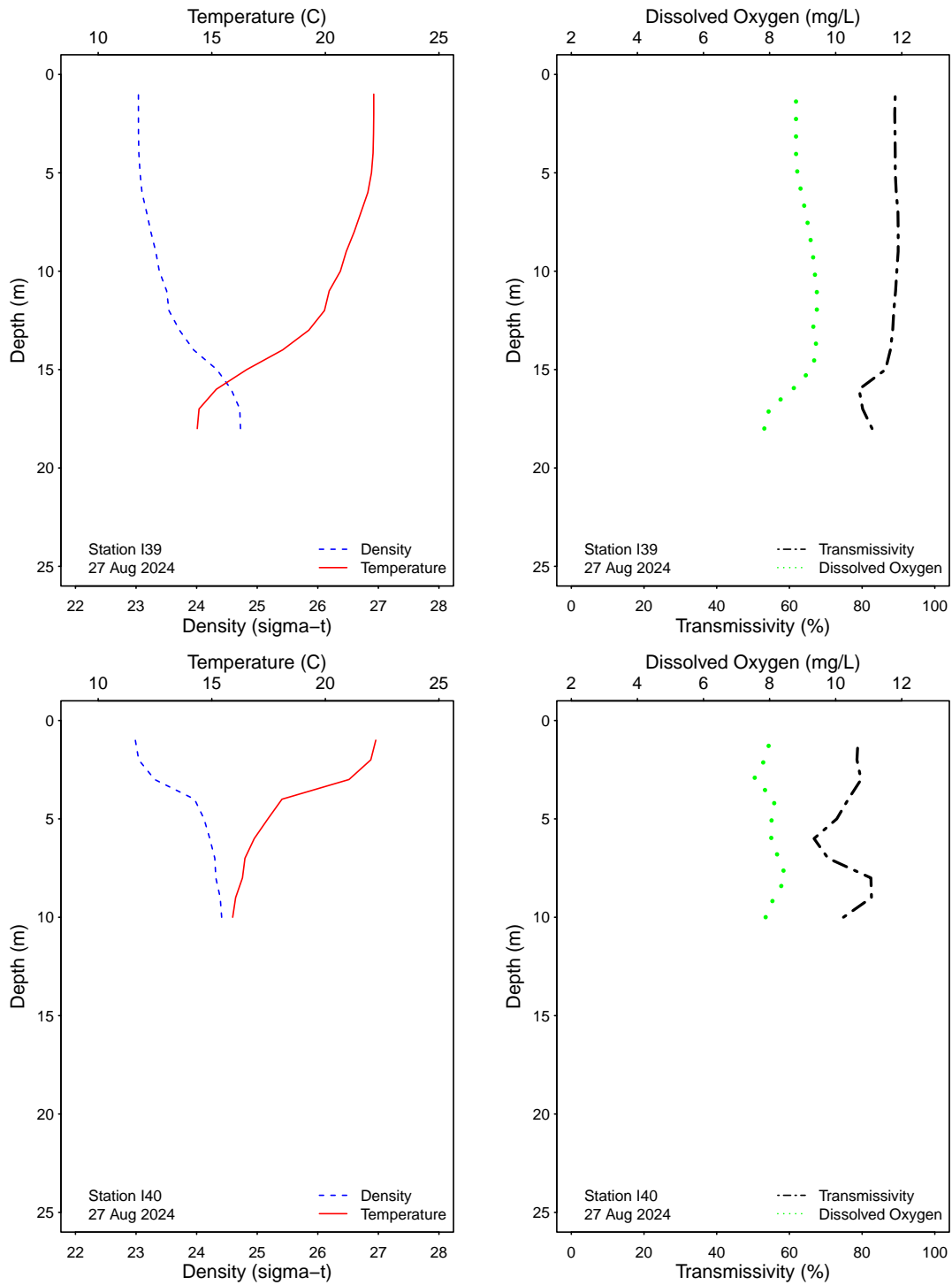


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

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Offshore Stations

Table 4.1

Summary of compliance at the SBOO offshore 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	I12	I14	I16	I18	I22	I23	I33	I36	I37	I38
07 Aug 2024	IC	IC	IC	IC	IC	IC	ns	ns	ns	ns
08 Aug 2024	ns	ns	ns	ns	IC	ns	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 4.2

Summary of compliance at the SBOO offshore 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	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 at the SBOO offshore 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	I12			I14			I16			I18			I22			I23			I33			I36			I37			I38								
	2m	18m	IC	2m	18m	IC	2m	18m	IC	2m	18m	IC	2m	18m	IC	2m	12m	IC	2m	18m	IC	2m	6m	IC	2m	6m	IC	2m	11m	IC	2m	6m	IC	2m	11m	IC
August	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC

C = In Compliance

E = Exceedance

ns = not sampled

N/D = 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
I10	06 Aug 2024	1136	2	<2	<2	<2
I10	06 Aug 2024	1136	12	<2	<2	<2
I10	06 Aug 2024	1136	18	<2	<2	<2
I11	06 Aug 2024	1125	2	<2	<2	<2
I11	06 Aug 2024	1125	6	<2	<2	<2
I11	06 Aug 2024	1125	11	<2	<2	<2
I12	07 Aug 2024	1158	2	<2	<2	<20
I12	07 Aug 2024	1158	18	<2	<2	<2
I12	07 Aug 2024	1158	27	18e	<2	2e
I13	07 Aug 2024	1226	2	<2	<2	<2
I13	07 Aug 2024	1226	18	<2	<2	<2
I13	07 Aug 2024	1226	37	<2	<2	2e
I14	07 Aug 2024	1141	2	<2	<2	<2
I14	07 Aug 2024	1141	18	200e	42	8e
I14	07 Aug 2024	1141	27	20e	4e	<2
I16	07 Aug 2024	1150	2	<2	<2	<2
I16	07 Aug 2024	1150	18	<2	<2	<2
I16	07 Aug 2024	1150	27	16e	2e	<2
I18	07 Aug 2024	1046	2	<2	<2	<2
I18	07 Aug 2024	1046	12	<2	2e	<2
I18	07 Aug 2024	1046	18	<20	<2	<2
I20	07 Aug 2024	908	2	<2	<2	<2
I20	07 Aug 2024	908	18	<2	<2	<2
I20	07 Aug 2024	908	55	<2	<2	<2
I21	07 Aug 2024	928	2	<2	<2	<2
I21	07 Aug 2024	928	18	<2	<2	<2
I21	07 Aug 2024	928	37	<2	<2	<2
I22	07 Aug 2024	1019	2	CTNA	CTNA	CTNA
I22	07 Aug 2024	1019	18	<2	<2	<2
I22	07 Aug 2024	1019	27	40e	24e	2e
I22	08 Aug 2024	1011	2	8e	<2	8e
I23	07 Aug 2024	1034	2	<2	<2	<2
I23	07 Aug 2024	1034	12	<2	<2	<2
I23	07 Aug 2024	1034	18	<2	<2	<2
I3	06 Aug 2024	1030	2	<2	<2	<2
I3	06 Aug 2024	1030	18	8e	8e	<2
I3	06 Aug 2024	1030	27	<2	<2	<2
I30	08 Aug 2024	943	2	4e	<2	<2

Station	Date	Time	Depth	Total	Fecal	Entero
I30	08 Aug 2024	943	18	40e	2e	6e
I30	08 Aug 2024	943	27	80e	6e	4e
I33	08 Aug 2024	839	2	<20	<2	<2
I33	08 Aug 2024	839	18	<2	<2	<2
I33	08 Aug 2024	839	27	<2	<2	<2
I36	08 Aug 2024	1048	2	<2	<2	<2
I36	08 Aug 2024	1048	6	<200	<2	<2
I36	08 Aug 2024	1048	11	200e	<2	<2
I37	08 Aug 2024	813	2	16e	<2	4e
I37	08 Aug 2024	813	6	<2	<2	<2
I37	08 Aug 2024	813	11	<20	2e	<2
I38	08 Aug 2024	1116	2	<20	<2	<2
I38	08 Aug 2024	1116	6	<2	<2	<2
I38	08 Aug 2024	1116	11	<20	<2	<2
I5	06 Aug 2024	1052	2	<2	4e	<2
I5	06 Aug 2024	1052	6	180e	16e	58
I5	06 Aug 2024	1052	11	200e	22e	16e
I7	06 Aug 2024	859	2	<2	<2	<2
I7	06 Aug 2024	859	18	<2	<2	<2
I7	06 Aug 2024	859	52	<2	<2	<2
I8	06 Aug 2024	1205	2	<2	<2	<2
I8	06 Aug 2024	1205	18	<2	<2	<2
I8	06 Aug 2024	1205	37	<2	<2	<2
I9	06 Aug 2024	1150	2	2e	<2	<2
I9	06 Aug 2024	1150	18	60e	36	12e
I9	06 Aug 2024	1150	27	6e	2e	<2

ns = not sampled
ND = no data

Table 4.5

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

Station	Date	Parameter	Value
I3	06 Aug 2024	Arrive Time	1030
I3	06 Aug 2024	Depart Time	1035
I3	06 Aug 2024	Air Temp (C)	18.2
I3	06 Aug 2024	Visibility (mi)	1
I3	06 Aug 2024	Wind Speed (kts)	8
I3	06 Aug 2024	Wind Dir	S
I3	06 Aug 2024	Sea State	Regular Swell
I3	06 Aug 2024	High Tide Time	2248
I3	06 Aug 2024	Low Tide Time	506
I3	06 Aug 2024	Comments	
I4	06 Aug 2024	Arrive Time	1044
I4	06 Aug 2024	Depart Time	1048
I4	06 Aug 2024	Air Temp (C)	17.7
I4	06 Aug 2024	Visibility (mi)	1
I4	06 Aug 2024	Wind Speed (kts)	8.1
I4	06 Aug 2024	Wind Dir	SE
I4	06 Aug 2024	Sea State	Regular Swell
I4	06 Aug 2024	High Tide Time	2248
I4	06 Aug 2024	Low Tide Time	506
I4	06 Aug 2024	Comments	
I5	06 Aug 2024	Arrive Time	1052
I5	06 Aug 2024	Depart Time	1056
I5	06 Aug 2024	Air Temp (C)	17
I5	06 Aug 2024	Visibility (mi)	1
I5	06 Aug 2024	Wind Speed (kts)	8.9
I5	06 Aug 2024	Wind Dir	SE
I5	06 Aug 2024	Sea State	Regular Swell
I5	06 Aug 2024	High Tide Time	2248
I5	06 Aug 2024	Low Tide Time	506
I5	06 Aug 2024	Comments	
I1	06 Aug 2024	Arrive Time	930
I1	06 Aug 2024	Depart Time	949
I1	06 Aug 2024	Air Temp (C)	19.6
I1	06 Aug 2024	Visibility (mi)	1
I1	06 Aug 2024	Wind Speed (kts)	4.9
I1	06 Aug 2024	Wind Dir	SE
I1	06 Aug 2024	Sea State	Regular Swell
I1	06 Aug 2024	High Tide Time	2248
I1	06 Aug 2024	Low Tide Time	506
I1	06 Aug 2024	Comments	OA 1m Btl# 2408063160 Nsk# 4;OA 30m Btl# 2408063161 Nsk# 3;OA 60m Btl# 2408063162 Nsk# 1;OA 60m-dup Btl# 2408063163 Nsk# 2;
I2	06 Aug 2024	Arrive Time	1015
I2	06 Aug 2024	Depart Time	1021
I2	06 Aug 2024	Air Temp (C)	18.6
I2	06 Aug 2024	Visibility (mi)	1
I2	06 Aug 2024	Wind Speed (kts)	6.4
I2	06 Aug 2024	Wind Dir	S
I2	06 Aug 2024	Sea State	Regular Swell
I2	06 Aug 2024	High Tide Time	2248
I2	06 Aug 2024	Low Tide Time	506
I2	06 Aug 2024	Comments	

Station	Date	Parameter	Value
I6	06 Aug 2024	Arrive Time	1110
I6	06 Aug 2024	Depart Time	1113
I6	06 Aug 2024	Air Temp (C)	18.3
I6	06 Aug 2024	Visibility (mi)	1
I6	06 Aug 2024	Wind Speed (kts)	10.3
I6	06 Aug 2024	Wind Dir	S
I6	06 Aug 2024	Sea State	Regular Swell
I6	06 Aug 2024	High Tide Time	2248
I6	06 Aug 2024	Low Tide Time	506
I6	06 Aug 2024	Comments	
I9	06 Aug 2024	Arrive Time	1150
I9	06 Aug 2024	Depart Time	1154
I9	06 Aug 2024	Air Temp (C)	18.9
I9	06 Aug 2024	Visibility (mi)	1
I9	06 Aug 2024	Wind Speed (kts)	7.9
I9	06 Aug 2024	Wind Dir	S
I9	06 Aug 2024	Sea State	Regular Swell
I9	06 Aug 2024	High Tide Time	2248
I9	06 Aug 2024	Low Tide Time	506
I9	06 Aug 2024	Comments	
I11	06 Aug 2024	Arrive Time	1125
I11	06 Aug 2024	Depart Time	1129
I11	06 Aug 2024	Air Temp (C)	17.4
I11	06 Aug 2024	Visibility (mi)	1
I11	06 Aug 2024	Wind Speed (kts)	10.5
I11	06 Aug 2024	Wind Dir	S
I11	06 Aug 2024	Sea State	Regular Swell
I11	06 Aug 2024	High Tide Time	2248
I11	06 Aug 2024	Low Tide Time	506
I11	06 Aug 2024	Comments	
I10	06 Aug 2024	Arrive Time	1136
I10	06 Aug 2024	Depart Time	1140
I10	06 Aug 2024	Air Temp (C)	18
I10	06 Aug 2024	Visibility (mi)	1
I10	06 Aug 2024	Wind Speed (kts)	12.3
I10	06 Aug 2024	Wind Dir	S
I10	06 Aug 2024	Sea State	Regular Swell
I10	06 Aug 2024	High Tide Time	2248
I10	06 Aug 2024	Low Tide Time	506
I10	06 Aug 2024	Comments	
I7	06 Aug 2024	Arrive Time	859
I7	06 Aug 2024	Depart Time	909
I7	06 Aug 2024	Air Temp (C)	19.5
I7	06 Aug 2024	Visibility (mi)	1
I7	06 Aug 2024	Wind Speed (kts)	2.4
I7	06 Aug 2024	Wind Dir	SE
I7	06 Aug 2024	Sea State	Regular Swell
I7	06 Aug 2024	High Tide Time	2248
I7	06 Aug 2024	Low Tide Time	506
I7	06 Aug 2024	Comments	
I8	06 Aug 2024	Arrive Time	1205
I8	06 Aug 2024	Depart Time	1210
I8	06 Aug 2024	Air Temp (C)	19.4
I8	06 Aug 2024	Visibility (mi)	1
I8	06 Aug 2024	Wind Speed (kts)	7.1

Station	Date	Parameter	Value
18	06 Aug 2024	Wind Dir	S
18	06 Aug 2024	Sea State	Regular Swell
18	06 Aug 2024	High Tide Time	2248
18	06 Aug 2024	Low Tide Time	506
18	06 Aug 2024	Comments	
112	07 Aug 2024	Arrive Time	1158
112	07 Aug 2024	Depart Time	1208
112	07 Aug 2024	Air Temp (C)	20.1
112	07 Aug 2024	Visibility (mi)	4
112	07 Aug 2024	Wind Speed (kts)	8.6
112	07 Aug 2024	Wind Dir	S
112	07 Aug 2024	Sea State	Light Chop
112	07 Aug 2024	High Tide Time	6
112	07 Aug 2024	Low Tide Time	536
112	07 Aug 2024	Comments	1m Btl# Nsk# ; 26m Btl# Nsk# ; 26m-dup Btl# Nsk# ;
118	07 Aug 2024	Arrive Time	1046
118	07 Aug 2024	Depart Time	1057
118	07 Aug 2024	Air Temp (C)	19.8
118	07 Aug 2024	Visibility (mi)	4
118	07 Aug 2024	Wind Speed (kts)	7.9
118	07 Aug 2024	Wind Dir	S
118	07 Aug 2024	Sea State	Light Chop
118	07 Aug 2024	High Tide Time	6
118	07 Aug 2024	Low Tide Time	536
118	07 Aug 2024	Comments	
113	07 Aug 2024	Arrive Time	1226
113	07 Aug 2024	Depart Time	1231
113	07 Aug 2024	Air Temp (C)	19.9
113	07 Aug 2024	Visibility (mi)	4
113	07 Aug 2024	Wind Speed (kts)	5.9
113	07 Aug 2024	Wind Dir	S
113	07 Aug 2024	Sea State	Light Chop
113	07 Aug 2024	High Tide Time	6
113	07 Aug 2024	Low Tide Time	536
113	07 Aug 2024	Comments	
115	07 Aug 2024	Arrive Time	1219
115	07 Aug 2024	Depart Time	1219
115	07 Aug 2024	Air Temp (C)	20
115	07 Aug 2024	Visibility (mi)	4
115	07 Aug 2024	Wind Speed (kts)	18.7
115	07 Aug 2024	Wind Dir	SW
115	07 Aug 2024	Sea State	Light Chop
115	07 Aug 2024	High Tide Time	6
115	07 Aug 2024	Low Tide Time	536
115	07 Aug 2024	Comments	
116	07 Aug 2024	Arrive Time	1150
116	07 Aug 2024	Depart Time	1155
116	07 Aug 2024	Air Temp (C)	20.1
116	07 Aug 2024	Visibility (mi)	4
116	07 Aug 2024	Wind Speed (kts)	10.6
116	07 Aug 2024	Wind Dir	S
116	07 Aug 2024	Sea State	Light Chop
116	07 Aug 2024	High Tide Time	6
116	07 Aug 2024	Low Tide Time	536
116	07 Aug 2024	Comments	

Station	Date	Parameter	Value
117	07 Aug 2024	Arrive Time	1102
117	07 Aug 2024	Depart Time	1106
117	07 Aug 2024	Air Temp (C)	20.1
117	07 Aug 2024	Visibility (mi)	4
117	07 Aug 2024	Wind Speed (kts)	6.4
117	07 Aug 2024	Wind Dir	S
117	07 Aug 2024	Sea State	Light Chop
117	07 Aug 2024	High Tide Time	6
117	07 Aug 2024	Low Tide Time	536
117	07 Aug 2024	Comments	
114	07 Aug 2024	Arrive Time	1141
114	07 Aug 2024	Depart Time	1146
114	07 Aug 2024	Air Temp (C)	20
114	07 Aug 2024	Visibility (mi)	4
114	07 Aug 2024	Wind Speed (kts)	8
114	07 Aug 2024	Wind Dir	S
114	07 Aug 2024	Sea State	Light Chop
114	07 Aug 2024	High Tide Time	6
114	07 Aug 2024	Low Tide Time	536
114	07 Aug 2024	Comments	
123	07 Aug 2024	Arrive Time	1034
123	07 Aug 2024	Depart Time	1038
123	07 Aug 2024	Air Temp (C)	19.9
123	07 Aug 2024	Visibility (mi)	4
123	07 Aug 2024	Wind Speed (kts)	9.2
123	07 Aug 2024	Wind Dir	S
123	07 Aug 2024	Sea State	Light Chop
123	07 Aug 2024	High Tide Time	6
123	07 Aug 2024	Low Tide Time	536
123	07 Aug 2024	Comments	
122	07 Aug 2024	Arrive Time	1019
122	07 Aug 2024	Depart Time	1027
122	07 Aug 2024	Air Temp (C)	20.2
122	07 Aug 2024	Visibility (mi)	4
122	07 Aug 2024	Wind Speed (kts)	20
122	07 Aug 2024	Wind Dir	S
122	07 Aug 2024	Sea State	Light Chop
122	07 Aug 2024	High Tide Time	6
122	07 Aug 2024	Low Tide Time	536
122	07 Aug 2024	Comments	
122	08 Aug 2024	Arrive Time	1011
122	08 Aug 2024	Depart Time	1013
122	08 Aug 2024	Air Temp (C)	18.8
122	08 Aug 2024	Visibility (mi)	8
122	08 Aug 2024	Wind Speed (kts)	8.7
122	08 Aug 2024	Wind Dir	S
122	08 Aug 2024	Sea State	Calm
122	08 Aug 2024	High Tide Time	6
122	08 Aug 2024	Low Tide Time	554
122	08 Aug 2024	Comments	revisited for the purpose of replacing spilled sample from aug 7. No CTD cast.
120	07 Aug 2024	Arrive Time	908
120	07 Aug 2024	Depart Time	926
120	07 Aug 2024	Air Temp (C)	19.7
120	07 Aug 2024	Visibility (mi)	4
120	07 Aug 2024	Wind Speed (kts)	12.2

Station	Date	Parameter	Value
I20	07 Aug 2024	Wind Dir	S
I20	07 Aug 2024	Sea State	Light Chop
I20	07 Aug 2024	High Tide Time	6
I20	07 Aug 2024	Low Tide Time	536
I20	07 Aug 2024	Comments	
I21	07 Aug 2024	Arrive Time	928
I21	07 Aug 2024	Depart Time	938
I21	07 Aug 2024	Air Temp (C)	19.6
I21	07 Aug 2024	Visibility (mi)	4
I21	07 Aug 2024	Wind Speed (kts)	13.8
I21	07 Aug 2024	Wind Dir	S
I21	07 Aug 2024	Sea State	Light Chop
I21	07 Aug 2024	High Tide Time	6
I21	07 Aug 2024	Low Tide Time	536
I21	07 Aug 2024	Comments	OA 1m Btl# 2408073164 Nsk# 5;OA 41m Btl# 2408073165 Nsk# 4;
I27	07 Aug 2024	Arrive Time	1006
I27	07 Aug 2024	Depart Time	1011
I27	07 Aug 2024	Air Temp (C)	20.1
I27	07 Aug 2024	Visibility (mi)	4
I27	07 Aug 2024	Wind Speed (kts)	9.9
I27	07 Aug 2024	Wind Dir	S
I27	07 Aug 2024	Sea State	Light Chop
I27	07 Aug 2024	High Tide Time	6
I27	07 Aug 2024	Low Tide Time	536
I27	07 Aug 2024	Comments	
I28	08 Aug 2024	Arrive Time	859
I28	08 Aug 2024	Depart Time	909
I28	08 Aug 2024	Air Temp (C)	19.5
I28	08 Aug 2024	Visibility (mi)	8
I28	08 Aug 2024	Wind Speed (kts)	5.1
I28	08 Aug 2024	Wind Dir	S
I28	08 Aug 2024	Sea State	Calm
I28	08 Aug 2024	High Tide Time	6
I28	08 Aug 2024	Low Tide Time	554
I28	08 Aug 2024	Comments	OA 1m Btl# 2408083179 Nsk# 2;OA 55m Btl# 2408083180 Nsk# 1;
I29	08 Aug 2024	Arrive Time	919
I29	08 Aug 2024	Depart Time	935
I29	08 Aug 2024	Air Temp (C)	19.4
I29	08 Aug 2024	Visibility (mi)	8
I29	08 Aug 2024	Wind Speed (kts)	10.3
I29	08 Aug 2024	Wind Dir	SE
I29	08 Aug 2024	Sea State	Calm
I29	08 Aug 2024	High Tide Time	6
I29	08 Aug 2024	Low Tide Time	554
I29	08 Aug 2024	Comments	depth acheived on second cast.
I30	08 Aug 2024	Arrive Time	943
I30	08 Aug 2024	Depart Time	949
I30	08 Aug 2024	Air Temp (C)	19
I30	08 Aug 2024	Visibility (mi)	8
I30	08 Aug 2024	Wind Speed (kts)	11.1
I30	08 Aug 2024	Wind Dir	SE
I30	08 Aug 2024	Sea State	Calm
I30	08 Aug 2024	High Tide Time	6
I30	08 Aug 2024	Low Tide Time	554

Station	Date	Parameter	Value
I30	08 Aug 2024	Comments	
I31	08 Aug 2024	Arrive Time	1027
I31	08 Aug 2024	Depart Time	1032
I31	08 Aug 2024	Air Temp (C)	19.1
I31	08 Aug 2024	Visibility (mi)	8
I31	08 Aug 2024	Wind Speed (kts)	6.9
I31	08 Aug 2024	Wind Dir	S
I31	08 Aug 2024	Sea State	Calm
I31	08 Aug 2024	High Tide Time	6
I31	08 Aug 2024	Low Tide Time	554
I31	08 Aug 2024	Comments	Bloomy.
I33	08 Aug 2024	Arrive Time	839
I33	08 Aug 2024	Depart Time	854
I33	08 Aug 2024	Air Temp (C)	20
I33	08 Aug 2024	Visibility (mi)	8
I33	08 Aug 2024	Wind Speed (kts)	5.5
I33	08 Aug 2024	Wind Dir	S
I33	08 Aug 2024	Sea State	Calm
I33	08 Aug 2024	High Tide Time	6
I33	08 Aug 2024	Low Tide Time	554
I33	08 Aug 2024	Comments	
I34	08 Aug 2024	Arrive Time	826
I34	08 Aug 2024	Depart Time	831
I34	08 Aug 2024	Air Temp (C)	19.5
I34	08 Aug 2024	Visibility (mi)	6
I34	08 Aug 2024	Wind Speed (kts)	1.6
I34	08 Aug 2024	Wind Dir	SW
I34	08 Aug 2024	Sea State	Calm
I34	08 Aug 2024	High Tide Time	6
I34	08 Aug 2024	Low Tide Time	554
I34	08 Aug 2024	Comments	
I35	08 Aug 2024	Arrive Time	1102
I35	08 Aug 2024	Depart Time	1107
I35	08 Aug 2024	Air Temp (C)	19.3
I35	08 Aug 2024	Visibility (mi)	8
I35	08 Aug 2024	Wind Speed (kts)	6
I35	08 Aug 2024	Wind Dir	S
I35	08 Aug 2024	Sea State	Calm
I35	08 Aug 2024	High Tide Time	6
I35	08 Aug 2024	Low Tide Time	554
I35	08 Aug 2024	Comments	
I36	08 Aug 2024	Arrive Time	1048
I36	08 Aug 2024	Depart Time	1102
I36	08 Aug 2024	Air Temp (C)	19.5
I36	08 Aug 2024	Visibility (mi)	8
I36	08 Aug 2024	Wind Speed (kts)	7.6
I36	08 Aug 2024	Wind Dir	SW
I36	08 Aug 2024	Sea State	Calm
I36	08 Aug 2024	High Tide Time	6
I36	08 Aug 2024	Low Tide Time	554
I36	08 Aug 2024	Comments	
I37	08 Aug 2024	Arrive Time	813
I37	08 Aug 2024	Depart Time	819
I37	08 Aug 2024	Air Temp (C)	19.5
I37	08 Aug 2024	Visibility (mi)	6

Station	Date	Parameter	Value
137	08 Aug 2024	Wind Speed (kts)	4.4
137	08 Aug 2024	Wind Dir	S
137	08 Aug 2024	Sea State	Calm
137	08 Aug 2024	High Tide Time	6
137	08 Aug 2024	Low Tide Time	554
137	08 Aug 2024	Comments	
138	08 Aug 2024	Arrive Time	1116
138	08 Aug 2024	Depart Time	1120
138	08 Aug 2024	Air Temp (C)	19.4
138	08 Aug 2024	Visibility (mi)	8
138	08 Aug 2024	Wind Speed (kts)	3.5
138	08 Aug 2024	Wind Dir	S
138	08 Aug 2024	Sea State	Calm
138	08 Aug 2024	High Tide Time	6
138	08 Aug 2024	Low Tide Time	554
138	08 Aug 2024	Comments	

Comments

date	station	depth	parmcode	comments
07-Aug-2024	I14	27	ENTERO	Rinse buffer had some bact. growth on non-selective media, but not on selective media used for analysis. Results likely unaffected.
07-Aug-2024	I16	2	ENTERO	Rinse buffer had some bact. growth on non-selective media, but not on selective media used for analysis. Results likely unaffected.
07-Aug-2024	I16	27	ENTERO	Rinse buffer had some bact. growth on non-selective media, but not on selective media used for analysis. Results likely unaffected.
07-Aug-2024	I18	2	ENTERO	Rinse buffer had some bact. growth on non-selective media, but not on selective media used for analysis. Results likely unaffected.
07-Aug-2024	I18	12	ENTERO	Rinse buffer had some bact. growth on non-selective media, but not on selective media used for analysis. Results likely unaffected.
07-Aug-2024	I18	18	ENTERO	Rinse buffer had some bact. growth on non-selective media, but not on selective media used for analysis. Results likely unaffected.
07-Aug-2024	I20	2	ENTERO	Rinse buffer had some bact. growth on non-selective media, but not on selective media used for analysis. Results likely unaffected.
07-Aug-2024	I20	18	ENTERO	Rinse buffer had some bact. growth on non-selective media, but not on selective media used for analysis. Results likely unaffected.
07-Aug-2024	I20	55	ENTERO	Rinse buffer had some bact. growth on non-selective media, but not on selective media used for analysis. Results likely unaffected.
07-Aug-2024	I21	2	ENTERO	Rinse buffer had some bact. growth on non-selective media, but not on selective media used for analysis. Results likely unaffected.
07-Aug-2024	I21	18	ENTERO	Rinse buffer had some bact. growth on non-selective media, but not on selective media used for analysis. Results likely unaffected.
07-Aug-2024	I21	37	ENTERO	Rinse buffer had some bact. growth on non-selective media, but not on selective media used for analysis. Results likely unaffected.
07-Aug-2024	I22	2	ENTERO	Rinse buffer had some bact. growth on non-selective media, but not on selective media used for analysis. Results likely unaffected.
07-Aug-2024	I22	18	ENTERO	Rinse buffer had some bact. growth on non-selective media, but not on selective media used for analysis. Results likely unaffected.
07-Aug-2024	I22	27	ENTERO	Rinse buffer had some bact. growth on non-selective media, but not on selective media used for analysis. Results likely unaffected.
07-Aug-2024	I23	2	ENTERO	Rinse buffer had some bact. growth on non-selective media, but not on selective media used for analysis. Results likely unaffected.
07-Aug-2024	I23	12	ENTERO	Rinse buffer had some bact. growth on non-selective media, but not on selective media used for analysis. Results likely unaffected.
07-Aug-2024	I23	18	ENTERO	Rinse buffer had some bact. growth on non-selective media, but not on selective media used for analysis. Results likely unaffected.
07-Aug-2024	I22	2		Sample bottle lid was not closed completely, so it was considered as contaminated. (KA)

date	station	depth	parmcode	comments
08-Aug-2024	I30	2		Water Bath #002 for mFC was under temperature by 0.05 to 0.06C. The results were likely not affected by this.
08-Aug-2024	I30	18		Water Bath #002 for mFC was under temperature by 0.05 to 0.06C. The results were likely not affected by this.
08-Aug-2024	I30	27		Water Bath #002 for mFC was under temperature by 0.05 to 0.06C. The results were likely not affected by this.
08-Aug-2024	I33	2		Water Bath #002 for mFC was under temperature by 0.05 to 0.06C. The results were likely not affected by this.
08-Aug-2024	I33	18		Water Bath #002 for mFC was under temperature by 0.05 to 0.06C. The results were likely not affected by this.
08-Aug-2024	I33	27		Water Bath #002 for mFC was under temperature by 0.05 to 0.06C. The results were likely not affected by this.
08-Aug-2024	I36	2		Water Bath #002 for mFC was under temperature by 0.05 to 0.06C. The results were likely not affected by this.
08-Aug-2024	I36	6		Water Bath #002 for mFC was under temperature by 0.05 to 0.06C. The results were likely not affected by this.
08-Aug-2024	I36	11		Water Bath #002 for mFC was under temperature by 0.05 to 0.06C. The results were likely not affected by this.
08-Aug-2024	I37	2		Water Bath #002 for mFC was under temperature by 0.05 to 0.06C. The results were likely not affected by this.
08-Aug-2024	I37	6		Water Bath #002 for mFC was under temperature by 0.05 to 0.06C. The results were likely not affected by this.
08-Aug-2024	I37	11		Water Bath #002 for mFC was under temperature by 0.05 to 0.06C. The results were likely not affected by this.
08-Aug-2024	I38	2		Water Bath #002 for mFC was under temperature by 0.05 to 0.06C. The results were likely not affected by this.
08-Aug-2024	I38	6		Water Bath #002 for mFC was under temperature by 0.05 to 0.06C. The results were likely not affected by this.
08-Aug-2024	I38	11		Water Bath #002 for mFC was under temperature by 0.05 to 0.06C. The results were likely not affected by this.
08-Aug-2024	I22	2		Water Bath #002 for mFC was under temperature by 0.05 to 0.06C. The results were likely not affected by this.

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 (s-t)	Chlor (µg/L)
I3	06 Aug 2024	1	20.68	97.03	7.6	33.50	8.2	23.4	0.18
I3	06 Aug 2024	2	20.55	97.15	7.6	33.50	8.2	23.5	0.20
I3	06 Aug 2024	3	20.16	97.33	7.6	33.48	8.2	23.6	0.26
I3	06 Aug 2024	4	19.30	96.96	7.8	33.46	8.2	23.8	0.34
I3	06 Aug 2024	5	18.78	96.39	8.0	33.44	8.2	23.9	0.47
I3	06 Aug 2024	6	18.03	96.01	8.1	33.41	8.2	24.0	0.58
I3	06 Aug 2024	7	17.42	95.58	8.3	33.39	8.2	24.2	0.66
I3	06 Aug 2024	8	16.98	95.01	8.4	33.39	8.2	24.3	0.70
I3	06 Aug 2024	9	16.55	94.90	8.4	33.38	8.2	24.4	0.70
I3	06 Aug 2024	10	15.68	95.06	8.5	33.35	8.2	24.6	0.68
I3	06 Aug 2024	11	14.26	95.43	8.9	33.35	8.2	24.9	0.83
I3	06 Aug 2024	12	13.86	94.30	9.0	33.37	8.2	25.0	1.52
I3	06 Aug 2024	13	13.68	91.41	9.0	33.37	8.2	25.0	2.26
I3	06 Aug 2024	14	13.52	89.33	8.9	33.38	8.2	25.0	2.69
I3	06 Aug 2024	15	13.17	87.95	8.7	33.41	8.1	25.1	3.49
I3	06 Aug 2024	16	12.91	86.10	8.5	33.42	8.1	25.2	4.99
I3	06 Aug 2024	17	12.69	83.49	8.4	33.42	8.1	25.2	5.99
I3	06 Aug 2024	18	12.38	81.28	8.3	33.44	8.1	25.3	7.51
I3	06 Aug 2024	19	12.07	80.51	7.7	33.44	8.1	25.4	9.18
I3	06 Aug 2024	20	11.95	80.69	7.0	33.44	8.0	25.4	7.13
I3	06 Aug 2024	21	11.88	87.03	6.6	33.46	8.0	25.4	6.61
I3	06 Aug 2024	22	11.83	90.72	6.3	33.47	8.0	25.4	7.07
I3	06 Aug 2024	23	11.58	92.30	5.9	33.50	7.9	25.5	5.53
I3	06 Aug 2024	24	11.45	93.52	5.5	33.52	7.9	25.5	3.55
I3	06 Aug 2024	25	11.40	94.65	5.2	33.53	7.9	25.6	2.37
I3	06 Aug 2024	26	11.40	95.75	5.1	33.54	7.8	25.6	1.52
I3	06 Aug 2024	27	11.42	95.57	5.0	33.54	7.8	25.6	1.43
I4	06 Aug 2024	1	17.66	88.23	8.5	33.43	8.2	24.2	0.87
I4	06 Aug 2024	2	16.84	87.91	8.6	33.45	8.2	24.4	0.99
I4	06 Aug 2024	3	16.26	86.40	8.8	33.44	8.2	24.5	1.09
I4	06 Aug 2024	4	15.79	87.60	8.8	33.43	8.2	24.6	1.12
I4	06 Aug 2024	5	15.21	88.45	8.4	33.43	8.2	24.7	1.68
I4	06 Aug 2024	6	13.18	82.85	8.1	33.47	8.1	25.2	3.32
I4	06 Aug 2024	7	12.80	76.48	7.5	33.48	8.0	25.3	6.08
I4	06 Aug 2024	8	12.46	72.65	6.8	33.47	8.0	25.3	8.40
I4	06 Aug 2024	9	12.19	71.97	6.1	33.48	7.9	25.4	9.74
I4	06 Aug 2024	10	12.17	75.18	5.7	33.49	7.9	25.4	8.49
I4	06 Aug 2024	11	11.77	82.72	5.4	33.50	7.9	25.5	6.26
I4	06 Aug 2024	12	11.48	87.60	5.1	33.53	7.8	25.5	4.08
I4	06 Aug 2024	13	11.55	90.28	4.9	33.52	7.8	25.5	3.20
I4	06 Aug 2024	14	11.40	91.12	4.8	33.53	7.8	25.6	2.80
I4	06 Aug 2024	15	11.41	91.01	4.7	33.54	7.8	25.6	2.22
I4	06 Aug 2024	16	11.42	90.70	4.7	33.54	7.8	25.6	1.99
I4	06 Aug 2024	17	11.40	90.63	4.7	33.54	7.8	25.6	1.79
I4	06 Aug 2024	18	11.40	90.25	4.7	33.55	7.8	25.6	1.81
I5	06 Aug 2024	1	17.69	86.70	8.3	33.40	8.1	24.1	1.03
I5	06 Aug 2024	2	16.82	86.56	8.2	33.40	8.1	24.3	1.34
I5	06 Aug 2024	3	15.59	82.61	8.3	33.43	8.1	24.6	2.57
I5	06 Aug 2024	4	14.93	75.41	7.8	33.43	8.1	24.8	5.00
I5	06 Aug 2024	5	13.68	71.50	7.1	33.46	8.1	25.1	7.62
I5	06 Aug 2024	6	12.69	69.41	6.4	33.49	8.0	25.3	7.43
I5	06 Aug 2024	7	12.03	74.19	5.8	33.50	7.9	25.4	5.86
I5	06 Aug 2024	8	11.71	79.92	5.4	33.50	7.9	25.5	4.68

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I5	06 Aug 2024	9	11.60	83.73	4.9	33.50	7.8	25.5	3.94
I5	06 Aug 2024	10	11.56	81.78	4.7	33.51	7.8	25.5	3.38
I5	06 Aug 2024	11	11.55	78.42	4.6	33.51	7.8	25.5	2.63
I5	06 Aug 2024	12	11.53	76.00	4.6	33.52	7.8	25.5	2.43
I5	06 Aug 2024	13	11.55	73.90	4.5	33.52	7.8	25.5	2.35
I5	06 Aug 2024	14	11.54	63.49	4.5	33.53	7.8	25.5	2.26
I1	06 Aug 2024	1	21.31	98.34	7.5	33.39	8.2	23.2	0.10
I1	06 Aug 2024	2	20.65	98.20	7.5	33.40	8.2	23.4	0.11
I1	06 Aug 2024	3	19.60	98.30	7.7	33.37	8.2	23.6	0.09
I1	06 Aug 2024	4	18.65	98.58	8.0	33.34	8.2	23.8	0.09
I1	06 Aug 2024	5	17.74	98.83	8.2	33.29	8.2	24.0	0.09
I1	06 Aug 2024	6	16.80	98.91	8.4	33.28	8.2	24.2	0.09
I1	06 Aug 2024	7	16.09	98.81	8.5	33.25	8.2	24.4	0.09
I1	06 Aug 2024	8	15.34	98.74	8.6	33.16	8.1	24.5	0.13
I1	06 Aug 2024	9	15.21	98.52	8.5	33.14	8.1	24.5	0.19
I1	06 Aug 2024	10	15.09	98.21	8.4	33.12	8.1	24.5	0.24
I1	06 Aug 2024	11	14.35	98.08	8.3	33.07	8.1	24.6	0.28
I1	06 Aug 2024	12	13.96	97.76	8.3	33.08	8.1	24.7	0.36
I1	06 Aug 2024	13	13.88	97.33	8.2	33.09	8.1	24.7	0.41
I1	06 Aug 2024	14	13.79	97.35	8.1	33.10	8.1	24.8	0.46
I1	06 Aug 2024	15	13.69	97.34	8.1	33.12	8.1	24.8	0.49
I1	06 Aug 2024	16	13.57	97.35	8.0	33.14	8.1	24.8	0.51
I1	06 Aug 2024	17	13.34	97.54	7.9	33.16	8.1	24.9	0.52
I1	06 Aug 2024	18	13.29	97.77	7.8	33.16	8.1	24.9	0.56
I1	06 Aug 2024	19	13.09	97.69	7.7	33.16	8.1	24.9	0.61
I1	06 Aug 2024	20	12.90	97.61	7.7	33.17	8.1	25.0	0.67
I1	06 Aug 2024	21	12.84	97.56	7.6	33.17	8.1	25.0	0.70
I1	06 Aug 2024	22	12.74	97.57	7.5	33.17	8.0	25.0	0.74
I1	06 Aug 2024	23	12.64	97.62	7.5	33.18	8.0	25.1	0.83
I1	06 Aug 2024	24	12.63	97.74	7.4	33.20	8.0	25.1	0.85
I1	06 Aug 2024	25	12.54	97.85	7.2	33.22	8.0	25.1	0.85
I1	06 Aug 2024	26	12.36	97.90	7.1	33.23	8.0	25.1	0.87
I1	06 Aug 2024	27	12.23	97.72	7.0	33.24	8.0	25.2	0.90
I1	06 Aug 2024	28	12.16	97.86	6.9	33.25	8.0	25.2	0.94
I1	06 Aug 2024	29	12.01	97.83	6.8	33.26	8.0	25.2	0.97
I1	06 Aug 2024	30	11.91	97.81	6.8	33.28	8.0	25.3	0.99
I1	06 Aug 2024	31	11.88	97.74	6.7	33.28	8.0	25.3	1.03
I1	06 Aug 2024	32	11.82	97.83	6.6	33.31	8.0	25.3	0.99
I1	06 Aug 2024	33	11.79	98.00	6.5	33.32	8.0	25.3	0.96
I1	06 Aug 2024	34	11.74	98.12	6.4	33.33	8.0	25.3	0.96
I1	06 Aug 2024	35	11.68	98.17	6.4	33.33	7.9	25.4	0.94
I1	06 Aug 2024	36	11.62	98.19	6.3	33.34	7.9	25.4	0.93
I1	06 Aug 2024	37	11.56	98.24	6.3	33.35	7.9	25.4	0.94
I1	06 Aug 2024	38	11.50	98.16	6.2	33.36	7.9	25.4	0.92
I1	06 Aug 2024	39	11.48	98.41	6.2	33.37	7.9	25.4	0.91
I1	06 Aug 2024	40	11.42	98.46	6.0	33.39	7.9	25.4	0.92
I1	06 Aug 2024	41	11.34	98.41	5.8	33.44	7.9	25.5	0.93
I1	06 Aug 2024	42	11.11	98.42	5.6	33.49	7.9	25.6	0.88
I1	06 Aug 2024	43	11.03	98.33	5.4	33.51	7.9	25.6	0.80
I1	06 Aug 2024	44	10.99	98.45	5.3	33.53	7.8	25.6	0.74
I1	06 Aug 2024	45	10.90	98.51	5.2	33.56	7.8	25.7	0.68
I1	06 Aug 2024	46	10.82	98.57	5.0	33.58	7.8	25.7	0.59
I1	06 Aug 2024	47	10.79	98.69	5.0	33.58	7.8	25.7	0.54
I1	06 Aug 2024	48	10.72	98.76	4.9	33.60	7.8	25.7	0.49
I1	06 Aug 2024	49	10.68	98.83	4.8	33.62	7.8	25.8	0.45
I1	06 Aug 2024	50	10.66	98.80	4.8	33.62	7.8	25.8	0.43
I1	06 Aug 2024	51	10.65	98.86	4.7	33.63	7.8	25.8	0.40
I1	06 Aug 2024	52	10.64	98.88	4.7	33.63	7.8	25.8	0.42
I1	06 Aug 2024	53	10.65	98.84	4.7	33.64	7.8	25.8	0.40
I1	06 Aug 2024	54	10.65	98.72	4.6	33.64	7.8	25.8	0.39

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I1	06 Aug 2024	55	10.65	98.78	4.6	33.64	7.8	25.8	0.39
I1	06 Aug 2024	56	10.65	98.77	4.6	33.64	7.8	25.8	0.39
I1	06 Aug 2024	57	10.65	98.77	4.6	33.64	7.8	25.8	0.40
I1	06 Aug 2024	58	10.64	98.77	4.6	33.64	7.8	25.8	0.41
I1	06 Aug 2024	59	10.64	98.69	4.6	33.65	7.8	25.8	0.40
I1	06 Aug 2024	60	10.62	98.61	4.6	33.66	7.8	25.8	0.40
I2	06 Aug 2024	1	20.60	96.04	7.7	33.45	8.2	23.4	0.24
I2	06 Aug 2024	2	20.52	96.57	7.7	33.45	8.2	23.4	0.25
I2	06 Aug 2024	3	20.39	97.18	7.6	33.45	8.2	23.5	0.23
I2	06 Aug 2024	4	20.00	97.60	7.7	33.43	8.2	23.6	0.20
I2	06 Aug 2024	5	19.15	97.71	7.9	33.41	8.2	23.8	0.21
I2	06 Aug 2024	6	18.66	98.01	7.8	33.38	8.2	23.9	0.22
I2	06 Aug 2024	7	16.66	97.95	8.2	33.34	8.2	24.3	0.27
I2	06 Aug 2024	8	15.15	97.82	8.5	33.34	8.2	24.7	0.24
I2	06 Aug 2024	9	14.25	98.18	8.8	33.31	8.1	24.8	0.21
I2	06 Aug 2024	10	13.93	98.06	8.6	33.30	8.1	24.9	0.34
I2	06 Aug 2024	11	13.57	97.33	8.4	33.27	8.1	24.9	0.57
I2	06 Aug 2024	12	13.40	96.85	8.2	33.27	8.1	25.0	0.72
I2	06 Aug 2024	13	13.12	96.22	7.9	33.26	8.1	25.0	0.88
I2	06 Aug 2024	14	12.83	96.26	7.5	33.24	8.1	25.1	0.88
I2	06 Aug 2024	15	12.67	96.80	7.3	33.25	8.0	25.1	0.72
I2	06 Aug 2024	16	12.41	97.54	7.1	33.28	8.0	25.2	0.63
I2	06 Aug 2024	17	12.35	97.85	7.0	33.30	8.0	25.2	0.67
I2	06 Aug 2024	18	12.34	97.70	6.9	33.30	8.0	25.2	0.72
I2	06 Aug 2024	19	12.33	97.65	6.9	33.31	8.0	25.2	0.85
I2	06 Aug 2024	20	12.30	97.57	6.9	33.31	8.0	25.2	0.87
I2	06 Aug 2024	21	12.26	97.10	6.9	33.33	8.0	25.2	1.07
I2	06 Aug 2024	22	12.16	96.98	6.9	33.35	8.0	25.3	1.54
I2	06 Aug 2024	23	12.09	95.93	7.1	33.38	8.0	25.3	3.18
I2	06 Aug 2024	24	12.10	93.83	7.3	33.41	8.0	25.3	5.08
I2	06 Aug 2024	25	12.12	91.28	7.4	33.44	8.0	25.4	6.88
I2	06 Aug 2024	26	12.04	86.59	7.5	33.45	8.0	25.4	9.78
I2	06 Aug 2024	27	11.95	84.37	7.2	33.45	8.0	25.4	11.43
I2	06 Aug 2024	28	11.64	82.05	6.5	33.47	8.0	25.5	11.19
I2	06 Aug 2024	29	11.53	83.69	5.9	33.49	7.9	25.5	6.52
I2	06 Aug 2024	30	11.48	89.36	5.5	33.51	7.9	25.5	3.80
I2	06 Aug 2024	31	11.47	94.67	5.3	33.52	7.9	25.5	2.47
I2	06 Aug 2024	32	11.46	95.63	5.2	33.52	7.8	25.5	1.98
I6	06 Aug 2024	1	20.62	96.37	7.6	33.50	8.2	23.5	0.24
I6	06 Aug 2024	2	20.50	96.34	7.6	33.50	8.2	23.5	0.26
I6	06 Aug 2024	3	19.96	96.42	7.7	33.48	8.2	23.6	0.29
I6	06 Aug 2024	4	19.49	96.11	7.8	33.47	8.2	23.7	0.38
I6	06 Aug 2024	5	19.36	95.52	7.9	33.46	8.2	23.8	0.48
I6	06 Aug 2024	6	18.83	95.04	7.9	33.44	8.2	23.9	0.59
I6	06 Aug 2024	7	17.88	94.12	8.0	33.42	8.2	24.1	0.86
I6	06 Aug 2024	8	15.92	91.28	8.5	33.43	8.2	24.6	1.50
I6	06 Aug 2024	9	15.19	88.97	8.7	33.40	8.2	24.7	1.59
I6	06 Aug 2024	10	14.22	91.58	9.0	33.38	8.2	24.9	1.34
I6	06 Aug 2024	11	14.02	90.29	9.1	33.39	8.2	24.9	1.61
I6	06 Aug 2024	12	13.77	86.60	8.8	33.40	8.2	25.0	2.01
I6	06 Aug 2024	13	13.06	84.54	8.6	33.42	8.1	25.2	4.04
I6	06 Aug 2024	14	12.82	81.58	8.4	33.43	8.1	25.2	6.83
I6	06 Aug 2024	15	12.57	79.71	7.9	33.44	8.1	25.3	8.49
I6	06 Aug 2024	16	12.12	79.51	6.8	33.47	8.0	25.4	8.91
I6	06 Aug 2024	17	12.23	83.48	6.3	33.46	7.9	25.4	8.98
I6	06 Aug 2024	18	11.78	83.64	6.2	33.48	8.0	25.4	9.45
I6	06 Aug 2024	19	11.68	84.24	5.8	33.48	7.9	25.5	7.31
I6	06 Aug 2024	20	11.72	89.16	5.6	33.49	7.9	25.5	5.71
I6	06 Aug 2024	21	11.53	87.46	5.3	33.51	7.9	25.5	4.76

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I6	06 Aug 2024	22	11.39	95.06	5.1	33.54	7.8	25.6	2.92
I6	06 Aug 2024	23	11.43	95.03	5.0	33.53	7.8	25.6	2.25
I6	06 Aug 2024	24	11.32	96.29	4.9	33.55	7.8	25.6	1.82
I6	06 Aug 2024	25	11.31	96.56	4.8	33.55	7.8	25.6	1.33
I6	06 Aug 2024	26	11.34	96.56	4.8	33.55	7.8	25.6	1.47
I9	06 Aug 2024	1	20.70	96.72	7.6	33.49	8.2	23.4	0.16
I9	06 Aug 2024	2	20.62	96.86	7.6	33.48	8.2	23.4	0.18
I9	06 Aug 2024	3	19.98	97.01	7.5	33.44	8.2	23.6	0.18
I9	06 Aug 2024	4	17.45	96.78	8.2	33.40	8.2	24.2	0.18
I9	06 Aug 2024	5	17.09	96.77	8.5	33.40	8.2	24.3	0.25
I9	06 Aug 2024	6	17.03	95.68	8.4	33.40	8.2	24.3	0.50
I9	06 Aug 2024	7	16.79	92.89	8.4	33.40	8.2	24.3	1.00
I9	06 Aug 2024	8	16.02	89.88	8.6	33.39	8.2	24.5	1.50
I9	06 Aug 2024	9	15.30	89.80	8.6	33.39	8.2	24.7	1.77
I9	06 Aug 2024	10	14.13	88.61	8.9	33.38	8.2	24.9	1.56
I9	06 Aug 2024	11	13.53	89.79	9.1	33.39	8.2	25.0	1.77
I9	06 Aug 2024	12	13.28	86.77	9.2	33.40	8.2	25.1	2.54
I9	06 Aug 2024	13	13.12	84.69	9.2	33.41	8.2	25.1	3.60
I9	06 Aug 2024	14	12.85	82.67	9.2	33.42	8.2	25.2	5.67
I9	06 Aug 2024	15	12.66	79.04	9.1	33.42	8.2	25.2	8.39
I9	06 Aug 2024	16	12.46	79.74	8.8	33.43	8.1	25.3	10.24
I9	06 Aug 2024	17	12.34	79.68	8.4	33.43	8.1	25.3	11.92
I9	06 Aug 2024	18	12.13	78.55	7.9	33.42	8.1	25.3	12.16
I9	06 Aug 2024	19	11.89	81.15	7.3	33.41	8.0	25.4	10.12
I9	06 Aug 2024	20	11.81	84.52	6.8	33.45	8.0	25.4	9.78
I9	06 Aug 2024	21	11.76	86.12	6.3	33.48	8.0	25.5	9.03
I9	06 Aug 2024	22	11.70	90.13	5.9	33.49	7.9	25.5	6.76
I9	06 Aug 2024	23	11.58	91.24	5.6	33.50	7.9	25.5	4.65
I9	06 Aug 2024	24	11.48	94.21	5.4	33.51	7.9	25.5	3.90
I9	06 Aug 2024	25	11.39	96.65	5.3	33.53	7.9	25.6	2.25
I9	06 Aug 2024	26	11.34	97.64	5.1	33.55	7.9	25.6	1.69
I9	06 Aug 2024	27	11.28	97.63	4.9	33.56	7.8	25.6	1.31
I9	06 Aug 2024	28	11.26	96.97	4.7	33.56	7.8	25.6	1.09
I9	06 Aug 2024	29	11.26	96.43	4.6	33.56	7.8	25.6	1.05
I11	06 Aug 2024	1	17.50	85.93	8.7	33.43	8.2	24.2	0.82
I11	06 Aug 2024	2	17.42	86.08	8.6	33.43	8.2	24.2	0.90
I11	06 Aug 2024	3	17.01	86.11	8.6	33.44	8.2	24.3	1.19
I11	06 Aug 2024	4	15.76	84.46	8.6	33.42	8.2	24.6	1.58
I11	06 Aug 2024	5	14.35	81.32	9.0	33.43	8.2	24.9	2.29
I11	06 Aug 2024	6	14.68	79.04	8.6	33.41	8.1	24.8	2.67
I11	06 Aug 2024	7	13.43	78.67	8.0	33.46	8.1	25.1	4.05
I11	06 Aug 2024	8	12.80	75.18	7.2	33.48	8.0	25.3	7.74
I11	06 Aug 2024	9	12.31	72.89	6.3	33.49	8.0	25.4	8.29
I11	06 Aug 2024	10	11.86	82.87	5.4	33.50	7.9	25.5	5.51
I11	06 Aug 2024	11	11.74	86.34	5.1	33.51	7.8	25.5	4.10
I11	06 Aug 2024	12	11.71	87.76	4.9	33.51	7.8	25.5	2.83
I11	06 Aug 2024	13	11.69	88.10	4.8	33.52	7.8	25.5	2.09
I10	06 Aug 2024	1	20.01	95.04	7.7	33.48	8.2	23.6	0.38
I10	06 Aug 2024	2	19.66	95.06	7.7	33.48	8.2	23.7	0.45
I10	06 Aug 2024	3	19.01	94.90	7.8	33.46	8.2	23.8	0.51
I10	06 Aug 2024	4	17.72	93.94	8.1	33.44	8.2	24.1	0.76
I10	06 Aug 2024	5	16.90	90.72	8.4	33.44	8.2	24.3	1.43
I10	06 Aug 2024	6	16.29	85.21	8.6	33.43	8.2	24.5	2.13
I10	06 Aug 2024	7	15.58	83.81	8.7	33.42	8.2	24.6	2.60
I10	06 Aug 2024	8	14.68	84.33	8.9	33.43	8.2	24.8	2.77
I10	06 Aug 2024	9	14.31	85.64	8.9	33.42	8.2	24.9	2.67
I10	06 Aug 2024	10	13.80	85.30	8.9	33.42	8.2	25.0	3.26
I10	06 Aug 2024	11	13.33	81.08	8.8	33.41	8.1	25.1	4.94

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I10	06 Aug 2024	12	13.07	80.21	8.6	33.43	8.1	25.2	5.38
I10	06 Aug 2024	13	12.88	80.42	8.3	33.43	8.1	25.2	6.74
I10	06 Aug 2024	14	12.62	79.37	7.7	33.45	8.1	25.3	8.33
I10	06 Aug 2024	15	12.41	78.11	6.8	33.48	8.0	25.3	8.20
I10	06 Aug 2024	16	12.16	80.18	6.0	33.49	7.9	25.4	7.10
I10	06 Aug 2024	17	11.75	85.36	5.4	33.51	7.9	25.5	5.35
I10	06 Aug 2024	18	11.41	88.58	4.9	33.54	7.8	25.6	3.61
I10	06 Aug 2024	19	11.39	91.94	4.7	33.54	7.8	25.6	2.13
I7	06 Aug 2024	1	21.17	97.83	7.6	33.48	8.2	23.3	0.20
I7	06 Aug 2024	2	21.06	97.81	7.6	33.47	8.2	23.3	0.23
I7	06 Aug 2024	3	20.65	97.64	7.6	33.45	8.2	23.4	0.21
I7	06 Aug 2024	4	19.46	97.67	7.8	33.38	8.2	23.7	0.17
I7	06 Aug 2024	5	18.47	98.15	8.1	33.35	8.2	23.9	0.16
I7	06 Aug 2024	6	17.70	98.48	8.2	33.29	8.2	24.0	0.16
I7	06 Aug 2024	7	16.75	98.18	8.5	33.28	8.2	24.3	0.17
I7	06 Aug 2024	8	16.43	97.80	8.6	33.29	8.1	24.3	0.18
I7	06 Aug 2024	9	16.01	98.69	8.6	33.26	8.1	24.4	0.16
I7	06 Aug 2024	10	15.40	98.82	8.7	33.27	8.1	24.6	0.16
I7	06 Aug 2024	11	15.15	98.98	8.7	33.26	8.1	24.6	0.21
I7	06 Aug 2024	12	14.89	98.81	8.6	33.23	8.1	24.6	0.30
I7	06 Aug 2024	13	14.63	98.40	8.4	33.22	8.1	24.7	0.41
I7	06 Aug 2024	14	14.26	98.01	8.3	33.20	8.1	24.7	0.48
I7	06 Aug 2024	15	14.11	97.98	8.1	33.19	8.1	24.8	0.56
I7	06 Aug 2024	16	13.87	97.79	8.0	33.20	8.1	24.8	0.63
I7	06 Aug 2024	17	13.55	97.72	7.9	33.20	8.1	24.9	0.66
I7	06 Aug 2024	18	13.37	97.86	7.8	33.20	8.1	24.9	0.71
I7	06 Aug 2024	19	13.16	98.02	7.7	33.19	8.1	25.0	0.73
I7	06 Aug 2024	20	12.94	98.05	7.6	33.19	8.0	25.0	0.75
I7	06 Aug 2024	21	12.83	97.99	7.5	33.20	8.0	25.0	0.82
I7	06 Aug 2024	22	12.78	97.83	7.4	33.22	8.0	25.1	0.87
I7	06 Aug 2024	23	12.69	97.77	7.3	33.24	8.0	25.1	0.87
I7	06 Aug 2024	24	12.51	97.72	7.2	33.25	8.0	25.1	0.86
I7	06 Aug 2024	25	12.30	97.94	7.0	33.27	8.0	25.2	0.82
I7	06 Aug 2024	26	12.26	98.06	7.0	33.27	8.0	25.2	0.79
I7	06 Aug 2024	27	12.23	98.16	6.9	33.27	8.0	25.2	0.82
I7	06 Aug 2024	28	12.20	98.13	6.9	33.27	8.0	25.2	0.82
I7	06 Aug 2024	29	12.16	98.17	6.9	33.27	8.0	25.2	0.83
I7	06 Aug 2024	30	12.12	98.18	6.8	33.28	8.0	25.2	0.81
I7	06 Aug 2024	31	12.07	98.14	6.8	33.28	8.0	25.2	0.81
I7	06 Aug 2024	32	12.01	98.36	6.7	33.28	8.0	25.3	0.83
I7	06 Aug 2024	33	11.89	98.26	6.7	33.28	8.0	25.3	0.81
I7	06 Aug 2024	34	11.79	98.22	6.7	33.30	8.0	25.3	0.85
I7	06 Aug 2024	35	11.73	98.18	6.6	33.31	8.0	25.3	0.90
I7	06 Aug 2024	36	11.72	98.07	6.5	33.31	7.9	25.3	0.96
I7	06 Aug 2024	37	11.71	98.11	6.5	33.32	7.9	25.3	0.94
I7	06 Aug 2024	38	11.70	98.07	6.4	33.33	7.9	25.3	0.89
I7	06 Aug 2024	39	11.69	98.26	6.4	33.34	7.9	25.4	0.87
I7	06 Aug 2024	40	11.59	98.27	6.2	33.36	7.9	25.4	0.88
I7	06 Aug 2024	41	11.45	98.33	6.1	33.40	7.9	25.5	0.89
I7	06 Aug 2024	42	11.44	98.35	6.0	33.42	7.9	25.5	0.85
I7	06 Aug 2024	43	11.43	98.36	5.9	33.43	7.9	25.5	0.89
I7	06 Aug 2024	44	11.43	98.56	5.9	33.44	7.9	25.5	0.84
I7	06 Aug 2024	45	11.36	98.49	5.8	33.44	7.9	25.5	0.86
I7	06 Aug 2024	46	11.32	98.75	5.8	33.45	7.9	25.5	0.87
I7	06 Aug 2024	47	11.31	98.82	5.6	33.47	7.9	25.5	0.82
I7	06 Aug 2024	48	11.28	98.69	5.3	33.52	7.8	25.6	0.82
I7	06 Aug 2024	49	11.28	98.23	5.1	33.52	7.8	25.6	0.94
I7	06 Aug 2024	50	11.22	97.39	4.7	33.56	7.8	25.6	0.98
I7	06 Aug 2024	51	10.99	97.01	4.4	33.61	7.8	25.7	0.71
I7	06 Aug 2024	52	11.22	97.09	4.6	33.55	7.8	25.6	0.74

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I8	06 Aug 2024	1	20.68	96.10	7.6	33.46	8.2	23.4	0.16
I8	06 Aug 2024	2	20.41	96.75	7.6	33.45	8.2	23.5	0.15
I8	06 Aug 2024	3	18.98	97.14	7.8	33.41	8.2	23.8	0.13
I8	06 Aug 2024	4	16.98	97.68	8.2	33.33	8.2	24.2	0.14
I8	06 Aug 2024	5	15.72	98.22	8.6	33.31	8.2	24.5	0.12
I8	06 Aug 2024	6	15.22	98.43	8.8	33.30	8.2	24.6	0.12
I8	06 Aug 2024	7	15.11	98.54	8.8	33.29	8.2	24.6	0.12
I8	06 Aug 2024	8	14.85	98.51	8.8	33.30	8.2	24.7	0.13
I8	06 Aug 2024	9	14.73	98.45	8.8	33.32	8.2	24.7	0.14
I8	06 Aug 2024	10	14.65	98.30	8.8	33.33	8.2	24.8	0.18
I8	06 Aug 2024	11	14.57	97.99	8.8	33.34	8.2	24.8	0.20
I8	06 Aug 2024	12	14.47	97.35	8.7	33.35	8.2	24.8	0.28
I8	06 Aug 2024	13	14.15	97.10	8.7	33.34	8.2	24.9	0.45
I8	06 Aug 2024	14	13.76	95.60	8.7	33.33	8.2	24.9	0.95
I8	06 Aug 2024	15	13.11	93.94	8.2	33.30	8.1	25.1	1.18
I8	06 Aug 2024	16	12.82	93.71	7.7	33.30	8.1	25.1	1.28
I8	06 Aug 2024	17	12.45	95.50	7.3	33.31	8.1	25.2	1.03
I8	06 Aug 2024	18	12.48	96.82	7.1	33.31	8.0	25.2	1.06
I8	06 Aug 2024	19	12.25	96.81	7.0	33.34	8.0	25.2	0.91
I8	06 Aug 2024	20	12.23	96.29	7.0	33.35	8.0	25.3	1.91
I8	06 Aug 2024	21	12.19	93.86	7.0	33.35	8.0	25.3	2.35
I8	06 Aug 2024	22	12.08	93.06	6.9	33.36	8.0	25.3	3.14
I8	06 Aug 2024	23	11.94	92.12	6.9	33.39	8.0	25.3	3.17
I8	06 Aug 2024	24	11.96	92.86	7.1	33.39	8.0	25.4	4.18
I8	06 Aug 2024	25	11.89	87.55	7.4	33.43	8.1	25.4	9.56
I8	06 Aug 2024	26	11.80	82.42	7.2	33.44	8.0	25.4	13.12
I8	06 Aug 2024	27	11.81	84.43	7.0	33.45	8.0	25.4	13.95
I8	06 Aug 2024	28	11.78	85.59	6.7	33.47	8.0	25.4	11.43
I8	06 Aug 2024	29	11.76	87.26	6.4	33.49	8.0	25.5	8.52
I8	06 Aug 2024	30	11.65	90.73	6.1	33.50	7.9	25.5	7.57
I8	06 Aug 2024	31	11.63	94.85	5.9	33.50	7.9	25.5	7.01
I8	06 Aug 2024	32	11.48	94.17	5.6	33.53	7.9	25.5	4.34
I8	06 Aug 2024	33	11.32	94.79	5.1	33.56	7.9	25.6	2.25
I8	06 Aug 2024	34	11.27	97.13	4.9	33.57	7.8	25.6	1.29
I8	06 Aug 2024	35	11.25	97.63	4.7	33.57	7.8	25.6	1.02
I8	06 Aug 2024	36	11.25	97.63	4.7	33.57	7.8	25.6	1.19
I12	07 Aug 2024	1	20.86	96.33	7.6	33.46	8.1	23.4	0.40
I12	07 Aug 2024	2	20.82	96.22	7.6	33.46	8.1	23.4	0.42
I12	07 Aug 2024	3	20.48	96.16	7.6	33.46	8.1	23.5	0.44
I12	07 Aug 2024	4	19.40	95.93	7.8	33.45	8.1	23.7	0.63
I12	07 Aug 2024	5	18.77	94.55	8.0	33.44	8.1	23.9	0.87
I12	07 Aug 2024	6	18.42	93.32	8.1	33.43	8.1	24.0	1.17
I12	07 Aug 2024	7	17.92	90.91	8.1	33.42	8.1	24.1	1.62
I12	07 Aug 2024	8	15.83	89.09	8.7	33.40	8.1	24.6	1.92
I12	07 Aug 2024	9	15.25	86.32	9.1	33.43	8.1	24.7	2.91
I12	07 Aug 2024	10	15.10	81.48	9.0	33.41	8.1	24.7	3.53
I12	07 Aug 2024	11	14.53	80.60	9.1	33.43	8.1	24.9	4.49
I12	07 Aug 2024	12	14.15	80.22	9.2	33.42	8.1	24.9	4.87
I12	07 Aug 2024	13	13.66	81.75	9.2	33.41	8.1	25.0	5.00
I12	07 Aug 2024	14	13.41	83.49	9.2	33.42	8.1	25.1	5.74
I12	07 Aug 2024	15	12.98	78.66	9.2	33.42	8.1	25.2	9.00
I12	07 Aug 2024	16	12.84	78.41	9.0	33.43	8.1	25.2	8.81
I12	07 Aug 2024	17	12.72	81.39	8.5	33.44	8.1	25.2	7.89
I12	07 Aug 2024	18	12.40	81.55	7.9	33.46	8.0	25.3	7.85
I12	07 Aug 2024	19	12.37	81.65	7.4	33.46	7.9	25.3	8.21
I12	07 Aug 2024	20	11.96	82.89	7.0	33.46	7.9	25.4	7.73
I12	07 Aug 2024	21	11.84	84.17	6.6	33.48	7.9	25.4	7.37
I12	07 Aug 2024	22	11.82	88.23	6.2	33.49	7.8	25.5	5.93
I12	07 Aug 2024	23	11.68	89.75	5.7	33.52	7.8	25.5	4.97

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I12	07 Aug 2024	24	11.64	89.52	5.2	33.53	7.8	25.5	3.63
I12	07 Aug 2024	25	11.64	89.14	5.0	33.53	7.8	25.5	3.05
I12	07 Aug 2024	26	11.63	89.24	5.0	33.54	7.8	25.5	2.79
I12	07 Aug 2024	27	11.63	89.21	4.9	33.54	7.8	25.5	2.59
I12	07 Aug 2024	28	11.63	89.21	4.9	33.54	7.8	25.5	2.56
I18	07 Aug 2024	1	20.17	88.92	7.8	33.45	8.1	23.5	1.58
I18	07 Aug 2024	2	20.18	89.10	7.8	33.45	8.1	23.5	1.67
I18	07 Aug 2024	3	19.49	88.34	7.9	33.43	8.1	23.7	2.26
I18	07 Aug 2024	4	18.37	82.80	8.2	33.41	8.1	24.0	3.55
I18	07 Aug 2024	5	15.98	79.00	8.7	33.42	8.1	24.5	4.80
I18	07 Aug 2024	6	15.05	76.82	8.9	33.41	8.1	24.7	5.35
I18	07 Aug 2024	7	14.05	77.34	9.3	33.41	8.1	24.9	5.57
I18	07 Aug 2024	8	13.59	78.20	9.2	33.40	8.1	25.0	6.02
I18	07 Aug 2024	9	13.11	76.55	9.0	33.42	8.1	25.1	9.10
I18	07 Aug 2024	10	12.92	72.71	8.6	33.44	8.0	25.2	10.89
I18	07 Aug 2024	11	12.68	74.18	8.0	33.46	8.0	25.3	10.88
I18	07 Aug 2024	12	12.55	74.46	7.6	33.48	8.0	25.3	10.84
I18	07 Aug 2024	13	12.42	75.16	7.0	33.49	7.9	25.3	9.93
I18	07 Aug 2024	14	12.29	77.96	6.5	33.50	7.9	25.4	8.53
I18	07 Aug 2024	15	12.06	79.33	5.9	33.52	7.8	25.4	6.90
I18	07 Aug 2024	16	11.93	83.09	5.4	33.53	7.8	25.5	4.76
I18	07 Aug 2024	17	11.90	85.09	5.2	33.53	7.8	25.5	3.76
I18	07 Aug 2024	18	11.87	85.52	5.1	33.53	7.8	25.5	3.21
I18	07 Aug 2024	19	11.87	86.03	5.0	33.53	7.8	25.5	2.86
I13	07 Aug 2024	1	21.02	93.18	7.6	33.43	8.1	23.3	0.27
I13	07 Aug 2024	2	20.99	93.94	7.6	33.46	8.1	23.3	0.29
I13	07 Aug 2024	3	20.80	96.93	7.5	33.45	8.1	23.4	0.29
I13	07 Aug 2024	4	19.60	97.27	7.7	33.39	8.1	23.6	0.29
I13	07 Aug 2024	5	17.66	97.30	8.1	33.33	8.1	24.1	0.30
I13	07 Aug 2024	6	16.42	97.49	8.5	33.29	8.1	24.3	0.28
I13	07 Aug 2024	7	15.70	97.74	8.6	33.28	8.1	24.5	0.29
I13	07 Aug 2024	8	14.98	97.51	8.7	33.29	8.1	24.7	0.33
I13	07 Aug 2024	9	14.96	97.25	8.7	33.30	8.1	24.7	0.39
I13	07 Aug 2024	10	14.96	97.19	8.7	33.30	8.1	24.7	0.40
I13	07 Aug 2024	11	14.94	97.22	8.7	33.31	8.1	24.7	0.42
I13	07 Aug 2024	12	14.82	97.02	8.6	33.33	8.1	24.7	0.47
I13	07 Aug 2024	13	14.69	96.79	8.6	33.34	8.1	24.8	0.50
I13	07 Aug 2024	14	14.11	96.41	8.7	33.36	8.1	24.9	0.66
I13	07 Aug 2024	15	14.03	95.76	8.6	33.35	8.1	24.9	0.82
I13	07 Aug 2024	16	13.30	95.24	8.4	33.34	8.0	25.0	1.41
I13	07 Aug 2024	17	13.26	94.64	8.2	33.33	8.0	25.0	1.73
I13	07 Aug 2024	18	12.90	93.71	8.4	33.35	8.0	25.1	3.70
I13	07 Aug 2024	19	12.80	88.15	8.7	33.36	8.1	25.2	6.74
I13	07 Aug 2024	20	12.63	85.09	8.7	33.37	8.1	25.2	8.86
I13	07 Aug 2024	21	12.54	84.33	8.7	33.38	8.0	25.2	10.42
I13	07 Aug 2024	22	12.55	82.99	8.8	33.40	8.1	25.2	11.78
I13	07 Aug 2024	23	12.40	81.27	8.7	33.41	8.1	25.3	10.83
I13	07 Aug 2024	24	12.21	81.34	8.3	33.41	8.0	25.3	10.79
I13	07 Aug 2024	25	12.17	82.97	8.0	33.42	8.0	25.3	10.42
I13	07 Aug 2024	26	12.07	83.81	7.8	33.44	8.0	25.4	9.60
I13	07 Aug 2024	27	12.04	85.36	7.6	33.45	8.0	25.4	9.29
I13	07 Aug 2024	28	11.96	85.45	7.3	33.45	8.0	25.4	10.04
I13	07 Aug 2024	29	11.84	83.40	6.9	33.47	7.9	25.4	10.81
I13	07 Aug 2024	30	11.65	86.16	6.3	33.51	7.9	25.5	7.98
I13	07 Aug 2024	31	11.54	91.76	5.8	33.53	7.8	25.5	5.85
I13	07 Aug 2024	32	11.47	92.91	5.4	33.54	7.8	25.6	5.01
I13	07 Aug 2024	33	11.45	94.23	5.1	33.54	7.8	25.6	2.84
I13	07 Aug 2024	34	11.43	94.60	5.0	33.55	7.8	25.6	2.41
I13	07 Aug 2024	35	11.43	94.67	4.9	33.55	7.8	25.6	2.67

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I13	07 Aug 2024	36	11.44	94.73	4.9	33.55	7.8	25.6	2.13
I13	07 Aug 2024	37	11.43	94.80	4.9	33.55	7.8	25.6	2.43
I13	07 Aug 2024	38	11.43	94.89	4.8	33.55	7.7	25.6	2.09
I15	07 Aug 2024	1	20.99	96.54	7.6	33.46	8.1	23.3	0.33
I15	07 Aug 2024	2	20.96	96.12	7.6	33.46	8.1	23.3	0.36
I15	07 Aug 2024	3	20.77	96.52	7.6	33.46	8.1	23.4	0.37
I15	07 Aug 2024	4	20.38	96.61	7.6	33.45	8.1	23.5	0.40
I15	07 Aug 2024	5	19.03	96.41	7.9	33.42	8.1	23.8	0.42
I15	07 Aug 2024	6	18.22	96.20	8.1	33.41	8.1	24.0	0.48
I15	07 Aug 2024	7	17.52	95.36	8.2	33.41	8.1	24.2	0.71
I15	07 Aug 2024	8	16.77	94.67	8.2	33.36	8.1	24.3	0.93
I15	07 Aug 2024	9	15.11	93.81	8.8	33.40	8.1	24.7	1.71
I15	07 Aug 2024	10	14.87	86.74	9.0	33.42	8.1	24.8	3.19
I15	07 Aug 2024	11	14.16	81.50	9.1	33.42	8.1	24.9	4.25
I15	07 Aug 2024	12	13.71	81.56	9.1	33.42	8.1	25.0	4.42
I15	07 Aug 2024	13	13.26	83.14	8.7	33.38	8.1	25.1	4.74
I15	07 Aug 2024	14	12.83	83.05	8.2	33.35	8.0	25.1	5.20
I15	07 Aug 2024	15	12.80	84.35	7.7	33.35	8.0	25.2	5.46
I15	07 Aug 2024	16	12.57	85.44	7.4	33.35	8.0	25.2	5.01
I15	07 Aug 2024	17	12.29	85.32	7.0	33.36	7.9	25.3	5.40
I15	07 Aug 2024	18	12.27	85.21	6.8	33.37	7.9	25.3	5.83
I15	07 Aug 2024	19	12.09	84.97	6.7	33.41	7.9	25.3	6.20
I15	07 Aug 2024	20	11.96	85.44	6.6	33.46	7.9	25.4	6.31
I15	07 Aug 2024	21	11.92	86.17	6.4	33.46	7.9	25.4	6.39
I15	07 Aug 2024	22	11.88	86.91	6.3	33.46	7.9	25.4	6.36
I15	07 Aug 2024	23	11.80	87.31	6.2	33.48	7.9	25.4	6.29
I15	07 Aug 2024	24	11.75	89.17	6.0	33.50	7.8	25.5	5.93
I15	07 Aug 2024	25	11.65	89.82	5.6	33.52	7.8	25.5	5.07
I15	07 Aug 2024	26	11.61	89.71	5.3	33.53	7.8	25.5	3.95
I15	07 Aug 2024	27	11.62	89.88	5.0	33.54	7.8	25.5	3.24
I15	07 Aug 2024	28	11.60	89.94	4.9	33.54	7.8	25.5	3.02
I15	07 Aug 2024	29	11.60	89.79	4.9	33.54	7.8	25.5	2.72
I15	07 Aug 2024	30	11.60	89.82	4.9	33.54	7.8	25.5	2.79
I15	07 Aug 2024	31	11.59	89.99	4.8	33.54	7.7	25.5	2.59
I16	07 Aug 2024	1	20.98	96.43	7.6	33.47	8.1	23.3	0.35
I16	07 Aug 2024	2	20.97	96.40	7.6	33.47	8.1	23.3	0.41
I16	07 Aug 2024	3	20.90	96.24	7.6	33.47	8.1	23.4	0.47
I16	07 Aug 2024	4	20.67	96.31	7.5	33.46	8.1	23.4	0.49
I16	07 Aug 2024	5	19.25	96.17	7.8	33.44	8.1	23.8	0.54
I16	07 Aug 2024	6	18.48	95.23	8.1	33.45	8.1	24.0	0.92
I16	07 Aug 2024	7	18.20	93.19	8.1	33.44	8.1	24.0	1.27
I16	07 Aug 2024	8	17.60	91.42	8.1	33.42	8.1	24.2	1.62
I16	07 Aug 2024	9	15.77	89.21	8.7	33.41	8.1	24.6	2.33
I16	07 Aug 2024	10	15.07	85.37	9.0	33.42	8.1	24.7	3.37
I16	07 Aug 2024	11	14.43	82.15	9.1	33.42	8.1	24.9	4.42
I16	07 Aug 2024	12	14.12	80.68	9.1	33.43	8.1	24.9	4.90
I16	07 Aug 2024	13	13.90	81.09	9.2	33.42	8.1	25.0	5.08
I16	07 Aug 2024	14	13.77	81.83	9.2	33.42	8.1	25.0	5.03
I16	07 Aug 2024	15	13.79	82.08	9.1	33.42	8.1	25.0	5.12
I16	07 Aug 2024	16	13.63	82.14	9.0	33.41	8.1	25.0	5.08
I16	07 Aug 2024	17	13.16	82.97	8.9	33.41	8.1	25.1	5.42
I16	07 Aug 2024	18	12.93	82.98	8.6	33.43	8.1	25.2	6.19
I16	07 Aug 2024	19	12.38	82.37	7.7	33.46	8.0	25.3	7.09
I16	07 Aug 2024	20	11.97	81.75	6.9	33.47	7.9	25.4	7.93
I16	07 Aug 2024	21	11.75	83.73	6.2	33.49	7.8	25.5	7.00
I16	07 Aug 2024	22	11.68	87.41	5.7	33.51	7.8	25.5	5.52
I16	07 Aug 2024	23	11.66	88.59	5.3	33.52	7.8	25.5	4.42
I16	07 Aug 2024	24	11.65	88.38	5.0	33.52	7.8	25.5	3.38
I16	07 Aug 2024	25	11.65	88.26	4.9	33.53	7.7	25.5	2.88

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I16	07 Aug 2024	26	11.65	88.23	4.8	33.53	7.7	25.5	2.70
I16	07 Aug 2024	27	11.64	88.36	4.8	33.53	7.7	25.5	2.56
I16	07 Aug 2024	28	11.64	88.94	4.8	33.54	7.7	25.5	2.42
I17	07 Aug 2024	1	20.88	96.14	7.5	33.46	8.1	23.4	0.52
I17	07 Aug 2024	2	20.88	93.61	7.5	33.46	8.1	23.4	0.54
I17	07 Aug 2024	3	20.88	96.12	7.5	33.46	8.1	23.4	0.52
I17	07 Aug 2024	4	20.86	96.17	7.5	33.46	8.1	23.4	0.56
I17	07 Aug 2024	5	20.84	96.18	7.5	33.46	8.1	23.4	0.55
I17	07 Aug 2024	6	20.66	96.00	7.4	33.45	8.1	23.4	0.61
I17	07 Aug 2024	7	19.87	95.19	7.6	33.45	8.1	23.6	0.91
I17	07 Aug 2024	8	19.04	93.26	7.7	33.42	8.1	23.8	1.28
I17	07 Aug 2024	9	16.36	89.84	8.5	33.42	8.1	24.4	1.89
I17	07 Aug 2024	10	15.78	88.02	8.8	33.41	8.1	24.6	2.22
I17	07 Aug 2024	11	15.17	83.93	9.0	33.42	8.1	24.7	3.04
I17	07 Aug 2024	12	14.68	82.42	9.0	33.42	8.1	24.8	3.71
I17	07 Aug 2024	13	14.26	80.98	9.1	33.42	8.1	24.9	4.68
I17	07 Aug 2024	14	14.08	80.29	9.0	33.42	8.1	24.9	5.30
I17	07 Aug 2024	15	13.55	81.07	9.0	33.41	8.1	25.0	5.23
I17	07 Aug 2024	16	13.24	82.83	8.8	33.41	8.1	25.1	5.06
I17	07 Aug 2024	17	12.60	83.00	8.0	33.44	8.0	25.3	5.82
I17	07 Aug 2024	18	12.10	82.57	7.0	33.47	7.9	25.4	7.46
I17	07 Aug 2024	19	11.80	82.47	6.2	33.48	7.8	25.4	7.47
I17	07 Aug 2024	20	11.68	86.10	5.5	33.51	7.8	25.5	5.47
I17	07 Aug 2024	21	11.69	87.65	5.1	33.52	7.8	25.5	3.65
I17	07 Aug 2024	22	11.67	87.67	5.0	33.52	7.8	25.5	3.24
I17	07 Aug 2024	23	11.69	87.65	4.9	33.53	7.7	25.5	2.90
I17	07 Aug 2024	24	11.68	87.76	4.8	33.53	7.7	25.5	2.74
I17	07 Aug 2024	25	11.67	87.72	4.8	33.53	7.7	25.5	2.74
I14	07 Aug 2024	1	20.93	96.23	7.6	33.46	8.1	23.3	0.43
I14	07 Aug 2024	2	20.86	96.31	7.6	33.46	8.1	23.4	0.46
I14	07 Aug 2024	3	20.81	96.23	7.6	33.46	8.1	23.4	0.49
I14	07 Aug 2024	4	20.54	96.20	7.7	33.46	8.1	23.4	0.53
I14	07 Aug 2024	5	19.94	95.86	7.6	33.45	8.1	23.6	0.55
I14	07 Aug 2024	6	18.36	95.30	8.1	33.44	8.1	24.0	0.74
I14	07 Aug 2024	7	18.29	94.14	8.2	33.43	8.1	24.0	0.96
I14	07 Aug 2024	8	17.95	92.80	8.2	33.44	8.1	24.1	1.16
I14	07 Aug 2024	9	16.93	90.96	8.3	33.41	8.1	24.3	1.48
I14	07 Aug 2024	10	15.82	90.83	8.6	33.38	8.1	24.5	1.42
I14	07 Aug 2024	11	15.02	92.20	9.0	33.41	8.1	24.7	2.33
I14	07 Aug 2024	12	14.91	85.30	8.9	33.42	8.1	24.8	3.54
I14	07 Aug 2024	13	13.93	82.03	9.1	33.42	8.1	25.0	4.33
I14	07 Aug 2024	14	13.35	82.19	9.2	33.42	8.1	25.1	4.93
I14	07 Aug 2024	15	13.26	81.34	8.9	33.41	8.1	25.1	5.53
I14	07 Aug 2024	16	12.77	82.27	8.8	33.41	8.1	25.2	6.25
I14	07 Aug 2024	17	12.73	81.74	8.6	33.43	8.0	25.2	7.32
I14	07 Aug 2024	18	12.39	81.77	8.0	33.44	8.0	25.3	7.78
I14	07 Aug 2024	19	12.22	82.99	7.2	33.44	7.9	25.3	7.69
I14	07 Aug 2024	20	11.90	84.63	6.2	33.49	7.9	25.4	6.57
I14	07 Aug 2024	21	11.76	87.48	5.5	33.51	7.8	25.5	4.54
I14	07 Aug 2024	22	11.70	88.24	5.2	33.52	7.8	25.5	3.83
I14	07 Aug 2024	23	11.70	88.36	5.0	33.53	7.8	25.5	3.38
I14	07 Aug 2024	24	11.68	88.47	4.9	33.53	7.8	25.5	3.09
I14	07 Aug 2024	25	11.69	88.77	4.9	33.53	7.7	25.5	2.94
I14	07 Aug 2024	26	11.67	88.79	4.8	33.53	7.7	25.5	3.00
I14	07 Aug 2024	27	11.68	88.76	4.8	33.54	7.7	25.5	3.34
I14	07 Aug 2024	28	11.67	88.92	4.8	33.54	7.7	25.5	3.08
I23	07 Aug 2024	1	20.73	96.02	7.5	33.45	8.1	23.4	0.28
I23	07 Aug 2024	2	20.72	95.95	7.4	33.45	8.1	23.4	0.30

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I23	07 Aug 2024	3	20.25	95.95	7.4	33.44	8.1	23.5	0.41
I23	07 Aug 2024	4	19.26	94.49	7.7	33.43	8.1	23.8	0.95
I23	07 Aug 2024	5	17.74	88.47	8.1	33.38	8.1	24.1	1.88
I23	07 Aug 2024	6	16.56	80.50	8.2	33.39	8.0	24.4	2.80
I23	07 Aug 2024	7	15.34	75.97	8.2	33.39	8.0	24.7	4.16
I23	07 Aug 2024	8	14.52	74.13	8.1	33.41	8.0	24.9	5.72
I23	07 Aug 2024	9	13.92	74.48	7.9	33.39	8.0	25.0	6.85
I23	07 Aug 2024	10	12.94	75.18	8.1	33.41	8.0	25.2	10.14
I23	07 Aug 2024	11	12.96	70.15	8.1	33.41	8.0	25.2	15.77
I23	07 Aug 2024	12	12.66	66.75	7.6	33.43	8.0	25.2	15.27
I23	07 Aug 2024	13	12.40	73.01	7.0	33.46	7.9	25.3	13.82
I23	07 Aug 2024	14	12.28	73.97	6.5	33.47	7.9	25.3	12.87
I23	07 Aug 2024	15	12.17	74.98	6.1	33.48	7.8	25.4	10.81
I23	07 Aug 2024	16	12.06	79.46	5.7	33.49	7.8	25.4	7.54
I23	07 Aug 2024	17	11.98	81.64	5.3	33.50	7.8	25.4	5.45
I23	07 Aug 2024	18	11.91	80.88	4.9	33.50	7.7	25.4	4.12
I23	07 Aug 2024	19	11.88	79.73	4.7	33.51	7.7	25.5	3.22
I23	07 Aug 2024	20	11.88	78.87	4.5	33.51	7.7	25.5	2.83
I23	07 Aug 2024	21	11.88	79.01	4.5	33.51	7.7	25.5	2.58
I22	07 Aug 2024	1	20.63	95.78	7.6	33.46	8.1	23.4	0.27
I22	07 Aug 2024	2	20.63	94.77	7.6	33.46	8.1	23.4	0.28
I22	07 Aug 2024	3	20.62	96.06	7.6	33.46	8.1	23.4	0.29
I22	07 Aug 2024	4	20.59	96.44	7.6	33.46	8.1	23.4	0.33
I22	07 Aug 2024	5	20.54	96.34	7.6	33.46	8.1	23.4	0.36
I22	07 Aug 2024	6	20.40	96.26	7.5	33.46	8.1	23.5	0.42
I22	07 Aug 2024	7	19.41	95.87	7.7	33.45	8.1	23.7	0.52
I22	07 Aug 2024	8	18.98	94.39	7.8	33.45	8.1	23.8	0.64
I22	07 Aug 2024	9	18.10	93.92	8.0	33.44	8.1	24.1	0.78
I22	07 Aug 2024	10	17.73	93.74	8.1	33.43	8.1	24.1	0.94
I22	07 Aug 2024	11	17.17	93.40	8.2	33.40	8.1	24.2	1.07
I22	07 Aug 2024	12	16.09	93.69	8.5	33.38	8.1	24.5	1.10
I22	07 Aug 2024	13	15.53	95.15	8.6	33.37	8.1	24.6	1.12
I22	07 Aug 2024	14	14.71	93.92	8.9	33.41	8.1	24.8	1.87
I22	07 Aug 2024	15	14.53	85.88	8.9	33.42	8.1	24.9	3.62
I22	07 Aug 2024	16	13.78	80.89	8.9	33.41	8.1	25.0	4.86
I22	07 Aug 2024	17	12.98	82.65	8.9	33.42	8.1	25.2	5.17
I22	07 Aug 2024	18	12.84	83.39	8.6	33.42	8.0	25.2	5.71
I22	07 Aug 2024	19	12.52	82.90	8.3	33.42	8.0	25.3	7.22
I22	07 Aug 2024	20	12.26	82.73	8.0	33.43	8.0	25.3	8.10
I22	07 Aug 2024	21	12.21	83.90	7.3	33.44	7.9	25.3	8.29
I22	07 Aug 2024	22	11.87	85.43	6.5	33.46	7.9	25.4	7.40
I22	07 Aug 2024	23	11.72	86.82	5.8	33.49	7.8	25.5	6.05
I22	07 Aug 2024	24	11.69	88.59	5.3	33.51	7.8	25.5	4.93
I22	07 Aug 2024	25	11.62	89.88	5.1	33.52	7.8	25.5	3.61
I22	07 Aug 2024	26	11.62	90.47	4.9	33.53	7.7	25.5	3.01
I22	07 Aug 2024	27	11.62	90.76	4.8	33.53	7.7	25.5	2.74
I22	07 Aug 2024	28	11.63	91.03	4.8	33.54	7.7	25.5	2.48
I20	07 Aug 2024	1	20.73	80.21	7.7	33.37	8.1	23.3	0.22
I20	07 Aug 2024	2	20.71	95.43	7.7	33.43	8.1	23.4	0.20
I20	07 Aug 2024	3	20.62	98.04	7.7	33.44	8.1	23.4	0.21
I20	07 Aug 2024	4	20.37	97.97	7.7	33.42	8.1	23.5	0.20
I20	07 Aug 2024	5	19.89	98.00	7.6	33.41	8.1	23.6	0.21
I20	07 Aug 2024	6	17.20	97.88	8.2	33.33	8.1	24.2	0.24
I20	07 Aug 2024	7	16.60	98.20	8.5	33.30	8.1	24.3	0.26
I20	07 Aug 2024	8	16.42	98.42	8.5	33.27	8.1	24.3	0.26
I20	07 Aug 2024	9	16.04	98.46	8.5	33.26	8.1	24.4	0.25
I20	07 Aug 2024	10	15.64	98.49	8.6	33.26	8.1	24.5	0.27
I20	07 Aug 2024	11	15.10	98.13	8.6	33.26	8.0	24.6	0.33
I20	07 Aug 2024	12	14.88	98.07	8.6	33.25	8.0	24.7	0.43

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I20	07 Aug 2024	13	14.77	97.90	8.6	33.25	8.0	24.7	0.49
I20	07 Aug 2024	14	14.47	97.62	8.6	33.26	8.0	24.7	0.57
I20	07 Aug 2024	15	14.43	97.46	8.6	33.26	8.0	24.8	0.62
I20	07 Aug 2024	16	14.21	97.43	8.5	33.25	8.0	24.8	0.65
I20	07 Aug 2024	17	14.09	97.43	8.4	33.25	8.0	24.8	0.70
I20	07 Aug 2024	18	14.01	97.39	8.2	33.24	8.0	24.8	0.75
I20	07 Aug 2024	19	13.60	97.46	8.0	33.21	8.0	24.9	0.80
I20	07 Aug 2024	20	13.23	97.51	7.8	33.20	8.0	25.0	0.83
I20	07 Aug 2024	21	13.08	97.69	7.6	33.21	8.0	25.0	0.90
I20	07 Aug 2024	22	12.97	97.96	7.5	33.21	8.0	25.0	0.88
I20	07 Aug 2024	23	12.68	97.95	7.4	33.21	7.9	25.1	0.92
I20	07 Aug 2024	24	12.62	97.71	7.2	33.22	7.9	25.1	0.95
I20	07 Aug 2024	25	12.39	97.65	7.1	33.22	7.9	25.1	0.96
I20	07 Aug 2024	26	12.23	97.73	7.0	33.23	7.9	25.2	0.96
I20	07 Aug 2024	27	12.18	97.89	7.0	33.24	7.9	25.2	0.96
I20	07 Aug 2024	28	12.14	98.06	6.9	33.24	7.9	25.2	1.02
I20	07 Aug 2024	29	12.13	98.07	6.9	33.25	7.9	25.2	0.95
I20	07 Aug 2024	30	12.11	98.11	6.8	33.25	7.9	25.2	0.90
I20	07 Aug 2024	31	11.95	98.14	6.7	33.28	7.9	25.3	0.87
I20	07 Aug 2024	32	11.75	98.17	6.6	33.31	7.9	25.3	0.86
I20	07 Aug 2024	33	11.70	98.25	6.5	33.32	7.9	25.3	0.87
I20	07 Aug 2024	34	11.67	98.29	6.4	33.32	7.8	25.3	0.86
I20	07 Aug 2024	35	11.66	98.41	6.4	33.33	7.8	25.4	0.82
I20	07 Aug 2024	36	11.65	98.39	6.3	33.33	7.8	25.4	0.81
I20	07 Aug 2024	37	11.60	98.48	6.3	33.35	7.8	25.4	0.79
I20	07 Aug 2024	38	11.61	96.59	6.2	33.35	7.8	25.4	0.77
I20	07 Aug 2024	39	11.59	97.60	6.2	33.36	7.8	25.4	0.76
I20	07 Aug 2024	40	11.57	98.48	6.2	33.37	7.8	25.4	0.76
I20	07 Aug 2024	41	11.51	98.46	6.1	33.40	7.8	25.4	0.81
I20	07 Aug 2024	42	11.44	98.29	6.0	33.43	7.8	25.5	0.87
I20	07 Aug 2024	43	11.45	98.10	5.8	33.45	7.8	25.5	1.08
I20	07 Aug 2024	44	11.47	97.38	5.8	33.47	7.8	25.5	1.32
I20	07 Aug 2024	45	11.47	97.06	5.7	33.48	7.8	25.5	1.69
I20	07 Aug 2024	46	11.42	96.91	5.5	33.51	7.8	25.5	1.94
I20	07 Aug 2024	47	11.40	96.84	5.3	33.52	7.8	25.6	1.86
I20	07 Aug 2024	48	11.38	96.88	5.1	33.54	7.8	25.6	3.00
I20	07 Aug 2024	49	11.35	96.65	5.0	33.55	7.7	25.6	3.15
I20	07 Aug 2024	50	11.33	96.55	4.9	33.56	7.7	25.6	2.57
I20	07 Aug 2024	51	11.30	96.66	4.8	33.56	7.7	25.6	2.06
I20	07 Aug 2024	52	11.28	96.27	4.8	33.57	7.7	25.6	2.68
I20	07 Aug 2024	53	11.26	96.56	4.7	33.57	7.7	25.6	2.39
I20	07 Aug 2024	54	11.07	96.72	4.5	33.61	7.7	25.7	2.32
I20	07 Aug 2024	55	10.82	95.84	4.2	33.66	7.7	25.8	1.38
I21	07 Aug 2024	1	19.81	97.28	7.9	33.43	8.1	23.6	0.20
I21	07 Aug 2024	2	19.60	97.24	7.8	33.42	8.1	23.7	0.21
I21	07 Aug 2024	3	18.92	97.22	7.9	33.39	8.1	23.8	0.23
I21	07 Aug 2024	4	17.32	97.27	8.3	33.33	8.1	24.2	0.25
I21	07 Aug 2024	5	16.76	97.62	8.5	33.32	8.1	24.3	0.31
I21	07 Aug 2024	6	16.62	97.76	8.5	33.31	8.1	24.3	0.32
I21	07 Aug 2024	7	16.14	97.77	8.6	33.29	8.1	24.4	0.31
I21	07 Aug 2024	8	16.01	98.01	8.6	33.29	8.1	24.4	0.31
I21	07 Aug 2024	9	15.79	98.05	8.6	33.29	8.1	24.5	0.31
I21	07 Aug 2024	10	15.06	97.87	8.6	33.30	8.1	24.6	0.32
I21	07 Aug 2024	11	14.63	97.57	8.6	33.30	8.0	24.7	0.45
I21	07 Aug 2024	12	14.57	97.46	8.6	33.30	8.0	24.8	0.50
I21	07 Aug 2024	13	14.29	97.41	8.4	33.30	8.0	24.8	0.50
I21	07 Aug 2024	14	14.26	97.42	8.3	33.30	8.0	24.8	0.60
I21	07 Aug 2024	15	14.04	97.33	8.2	33.29	8.0	24.9	0.62
I21	07 Aug 2024	16	13.78	97.35	8.1	33.29	8.0	24.9	0.66
I21	07 Aug 2024	17	13.58	97.22	7.9	33.28	8.0	24.9	0.76

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I21	07 Aug 2024	18	13.23	97.12	7.7	33.28	8.0	25.0	0.91
I21	07 Aug 2024	19	12.82	96.77	7.5	33.28	8.0	25.1	1.16
I21	07 Aug 2024	20	12.72	96.59	7.4	33.30	7.9	25.1	1.25
I21	07 Aug 2024	21	12.57	96.31	7.3	33.31	7.9	25.2	1.42
I21	07 Aug 2024	22	12.32	96.71	7.1	33.32	7.9	25.2	1.15
I21	07 Aug 2024	23	12.29	97.26	7.0	33.32	7.9	25.2	0.98
I21	07 Aug 2024	24	12.20	97.20	6.9	33.33	7.9	25.3	0.82
I21	07 Aug 2024	25	12.19	97.27	6.8	33.34	7.9	25.3	0.98
I21	07 Aug 2024	26	12.09	96.53	6.8	33.35	7.9	25.3	1.45
I21	07 Aug 2024	27	11.89	96.98	6.6	33.36	7.9	25.3	1.24
I21	07 Aug 2024	28	11.82	98.04	6.4	33.37	7.8	25.4	1.10
I21	07 Aug 2024	29	11.61	97.82	6.3	33.40	7.8	25.4	1.04
I21	07 Aug 2024	30	11.60	97.19	6.2	33.40	7.8	25.4	1.37
I21	07 Aug 2024	31	11.58	96.33	6.2	33.42	7.8	25.4	1.74
I21	07 Aug 2024	32	11.59	95.35	6.2	33.45	7.8	25.5	3.12
I21	07 Aug 2024	33	11.55	93.28	6.0	33.50	7.8	25.5	4.74
I21	07 Aug 2024	34	11.54	91.63	5.7	33.52	7.8	25.5	6.81
I21	07 Aug 2024	35	11.48	91.52	5.5	33.53	7.8	25.5	6.47
I21	07 Aug 2024	36	11.46	92.74	5.2	33.53	7.8	25.5	6.74
I21	07 Aug 2024	37	11.36	93.95	4.9	33.55	7.7	25.6	3.40
I21	07 Aug 2024	38	11.36	95.15	4.7	33.55	7.7	25.6	2.37
I21	07 Aug 2024	39	11.32	95.97	4.6	33.56	7.7	25.6	1.85
I21	07 Aug 2024	40	11.33	95.95	4.5	33.56	7.7	25.6	1.40
I21	07 Aug 2024	41	11.33	96.34	4.5	33.56	7.7	25.6	1.04
I27	07 Aug 2024	1	19.80	90.38	7.8	33.45	8.1	23.6	0.39
I27	07 Aug 2024	2	19.78	94.70	7.8	33.45	8.1	23.6	0.45
I27	07 Aug 2024	3	19.68	95.75	7.6	33.45	8.1	23.7	0.48
I27	07 Aug 2024	4	18.64	95.55	7.8	33.43	8.1	23.9	0.52
I27	07 Aug 2024	5	18.08	95.01	7.9	33.41	8.1	24.0	0.60
I27	07 Aug 2024	6	16.75	94.23	8.1	33.41	8.1	24.4	0.86
I27	07 Aug 2024	7	15.38	92.64	8.4	33.40	8.1	24.7	1.07
I27	07 Aug 2024	8	14.91	92.69	8.6	33.37	8.1	24.7	1.11
I27	07 Aug 2024	9	14.34	93.12	8.7	33.37	8.1	24.9	1.25
I27	07 Aug 2024	10	14.03	92.84	8.7	33.36	8.1	24.9	1.63
I27	07 Aug 2024	11	13.57	91.35	8.7	33.33	8.1	25.0	2.32
I27	07 Aug 2024	12	13.20	89.68	8.8	33.32	8.0	25.1	3.85
I27	07 Aug 2024	13	13.02	85.80	9.0	33.37	8.1	25.1	5.77
I27	07 Aug 2024	14	12.73	82.62	9.1	33.39	8.1	25.2	8.69
I27	07 Aug 2024	15	12.57	78.42	8.8	33.41	8.0	25.2	11.29
I27	07 Aug 2024	16	12.56	78.21	8.6	33.41	8.0	25.2	11.53
I27	07 Aug 2024	17	12.39	78.92	8.4	33.42	8.0	25.3	11.46
I27	07 Aug 2024	18	12.24	79.68	7.9	33.45	8.0	25.3	10.77
I27	07 Aug 2024	19	12.08	82.45	7.1	33.47	7.9	25.4	9.57
I27	07 Aug 2024	20	11.85	83.45	6.3	33.49	7.8	25.4	8.30
I27	07 Aug 2024	21	11.73	85.81	5.8	33.50	7.8	25.5	7.25
I27	07 Aug 2024	22	11.68	87.37	5.4	33.51	7.8	25.5	5.81
I27	07 Aug 2024	23	11.61	88.36	5.0	33.52	7.8	25.5	4.43
I27	07 Aug 2024	24	11.59	90.35	4.8	33.53	7.7	25.5	3.06
I27	07 Aug 2024	25	11.59	90.45	4.6	33.53	7.7	25.5	2.58
I27	07 Aug 2024	26	11.58	90.23	4.6	33.53	7.7	25.5	2.50
I27	07 Aug 2024	27	11.58	90.19	4.5	33.54	7.7	25.5	2.44
I27	07 Aug 2024	28	11.58	90.12	4.5	33.54	7.7	25.5	2.20
I28	08 Aug 2024	1	20.77	95.89	7.5	33.45	8.1	23.4	0.53
I28	08 Aug 2024	2	20.24	95.83	7.5	33.45	8.1	23.5	0.71
I28	08 Aug 2024	3	18.84	91.80	7.9	33.47	8.1	23.9	1.84
I28	08 Aug 2024	4	18.48	84.14	8.1	33.45	8.1	24.0	2.82
I28	08 Aug 2024	5	18.17	82.13	8.2	33.45	8.1	24.0	3.16
I28	08 Aug 2024	6	18.00	83.02	8.2	33.44	8.1	24.1	2.95
I28	08 Aug 2024	7	17.57	84.67	8.1	33.44	8.1	24.2	2.85

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I28	08 Aug 2024	8	16.90	85.48	8.2	33.43	8.1	24.3	2.75
I28	08 Aug 2024	9	15.47	85.81	8.4	33.44	8.1	24.7	3.11
I28	08 Aug 2024	10	14.94	84.97	8.5	33.41	8.1	24.8	3.60
I28	08 Aug 2024	11	14.44	85.89	8.3	33.34	8.1	24.8	2.93
I28	08 Aug 2024	12	14.13	91.13	8.2	33.32	8.0	24.9	2.05
I28	08 Aug 2024	13	14.04	93.92	8.2	33.32	8.0	24.9	1.67
I28	08 Aug 2024	14	13.81	94.79	8.2	33.30	8.0	24.9	1.53
I28	08 Aug 2024	15	13.48	95.63	8.1	33.29	8.0	25.0	1.44
I28	08 Aug 2024	16	13.39	95.99	8.1	33.29	8.0	25.0	1.36
I28	08 Aug 2024	17	13.33	96.02	8.0	33.28	8.0	25.0	1.44
I28	08 Aug 2024	18	13.28	96.02	7.9	33.28	8.0	25.0	1.35
I28	08 Aug 2024	19	13.13	96.06	7.8	33.28	8.0	25.0	1.50
I28	08 Aug 2024	20	13.06	96.06	7.7	33.28	8.0	25.0	1.63
I28	08 Aug 2024	21	12.94	95.75	7.6	33.27	8.0	25.1	1.60
I28	08 Aug 2024	22	12.82	95.89	7.5	33.27	8.0	25.1	1.68
I28	08 Aug 2024	23	12.57	95.97	7.3	33.28	8.0	25.1	1.59
I28	08 Aug 2024	24	12.51	95.71	7.2	33.31	8.0	25.2	2.16
I28	08 Aug 2024	25	12.52	94.01	7.3	33.33	8.0	25.2	2.60
I28	08 Aug 2024	26	12.56	92.94	7.3	33.36	8.0	25.2	3.13
I28	08 Aug 2024	27	12.61	91.71	7.4	33.39	8.0	25.2	3.40
I28	08 Aug 2024	28	12.58	89.46	7.5	33.41	8.0	25.2	3.68
I28	08 Aug 2024	29	12.51	88.61	7.4	33.41	8.0	25.3	3.79
I28	08 Aug 2024	30	12.49	89.36	7.3	33.41	8.0	25.3	3.87
I28	08 Aug 2024	31	12.48	89.80	7.3	33.41	8.0	25.3	3.61
I28	08 Aug 2024	32	12.40	89.99	7.2	33.39	8.0	25.3	3.22
I28	08 Aug 2024	33	12.38	91.29	7.2	33.39	7.9	25.3	3.06
I28	08 Aug 2024	34	12.34	91.84	7.1	33.39	7.9	25.3	2.63
I28	08 Aug 2024	35	12.27	92.49	7.0	33.38	7.9	25.3	2.34
I28	08 Aug 2024	36	12.17	93.62	6.8	33.37	7.9	25.3	1.94
I28	08 Aug 2024	37	11.95	94.67	6.7	33.36	7.9	25.3	1.54
I28	08 Aug 2024	38	11.94	96.80	6.6	33.36	7.9	25.3	1.53
I28	08 Aug 2024	39	11.93	97.34	6.6	33.37	7.9	25.3	1.89
I28	08 Aug 2024	40	11.89	97.26	6.6	33.38	7.9	25.4	1.72
I28	08 Aug 2024	41	11.85	96.96	6.6	33.38	7.9	25.4	2.02
I28	08 Aug 2024	42	11.82	95.76	6.8	33.41	7.9	25.4	4.47
I28	08 Aug 2024	43	11.82	92.46	7.0	33.41	7.9	25.4	7.30
I28	08 Aug 2024	44	11.79	91.40	7.0	33.42	7.9	25.4	7.69
I28	08 Aug 2024	45	11.78	89.22	6.9	33.43	7.9	25.4	8.10
I28	08 Aug 2024	46	11.70	88.29	6.5	33.46	7.9	25.4	7.97
I28	08 Aug 2024	47	11.60	88.32	5.9	33.49	7.8	25.5	6.41
I28	08 Aug 2024	48	11.50	90.52	5.4	33.52	7.8	25.5	4.40
I28	08 Aug 2024	49	11.48	92.72	5.1	33.53	7.8	25.5	3.31
I28	08 Aug 2024	50	11.47	93.65	5.0	33.53	7.8	25.5	3.04
I28	08 Aug 2024	51	11.47	93.76	5.0	33.53	7.8	25.5	2.74
I28	08 Aug 2024	52	11.47	94.02	4.9	33.54	7.8	25.6	3.03
I28	08 Aug 2024	53	11.46	93.89	4.8	33.54	7.8	25.6	2.97
I28	08 Aug 2024	54	11.40	94.19	4.7	33.55	7.7	25.6	2.34
I28	08 Aug 2024	55	11.29	94.23	4.5	33.56	7.7	25.6	1.89
I29	08 Aug 2024	1	19.95	95.67	7.8	33.44	8.1	23.6	0.48
I29	08 Aug 2024	2	19.89	95.80	7.7	33.44	8.1	23.6	0.57
I29	08 Aug 2024	3	19.73	95.60	7.8	33.44	8.1	23.6	0.69
I29	08 Aug 2024	4	19.62	95.07	7.8	33.44	8.1	23.7	0.78
I29	08 Aug 2024	5	19.33	94.80	7.8	33.43	8.1	23.7	0.90
I29	08 Aug 2024	6	18.69	94.36	7.8	33.42	8.1	23.9	1.17
I29	08 Aug 2024	7	17.76	93.20	8.0	33.40	8.1	24.1	1.72
I29	08 Aug 2024	8	16.69	90.23	8.2	33.43	8.1	24.4	2.49
I29	08 Aug 2024	9	16.55	84.74	8.0	33.44	8.1	24.4	3.28
I29	08 Aug 2024	10	15.70	82.29	8.1	33.39	8.1	24.6	3.65
I29	08 Aug 2024	11	14.79	82.76	8.3	33.34	8.1	24.7	3.36
I29	08 Aug 2024	12	14.69	89.50	8.3	33.34	8.1	24.8	2.96

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I29	08 Aug 2024	13	14.25	90.43	8.3	33.35	8.1	24.9	3.14
I29	08 Aug 2024	14	13.86	89.10	8.5	33.37	8.1	25.0	3.98
I29	08 Aug 2024	15	13.59	87.05	8.5	33.36	8.1	25.0	5.26
I29	08 Aug 2024	16	13.09	86.00	8.8	33.38	8.1	25.1	6.02
I29	08 Aug 2024	17	12.82	84.71	8.9	33.42	8.1	25.2	6.53
I29	08 Aug 2024	18	12.63	82.47	8.6	33.43	8.1	25.2	6.62
I29	08 Aug 2024	19	12.47	81.52	8.2	33.43	8.0	25.3	7.36
I29	08 Aug 2024	20	12.24	82.21	7.6	33.42	8.0	25.3	6.96
I29	08 Aug 2024	21	12.15	85.71	7.1	33.44	7.9	25.3	5.72
I29	08 Aug 2024	22	11.98	87.02	6.7	33.46	7.9	25.4	5.01
I29	08 Aug 2024	23	11.74	88.97	6.2	33.48	7.9	25.5	4.51
I29	08 Aug 2024	24	11.74	91.75	5.9	33.49	7.8	25.5	3.87
I29	08 Aug 2024	25	11.64	92.13	5.6	33.50	7.8	25.5	4.01
I29	08 Aug 2024	26	11.63	91.90	5.4	33.50	7.8	25.5	3.31
I29	08 Aug 2024	27	11.63	91.83	5.4	33.50	7.8	25.5	2.83
I29	08 Aug 2024	28	11.63	91.93	5.3	33.51	7.8	25.5	2.86
I29	08 Aug 2024	29	11.63	91.89	5.3	33.51	7.8	25.5	2.94
I29	08 Aug 2024	30	11.63	91.84	5.3	33.51	7.8	25.5	3.08
I29	08 Aug 2024	31	11.63	91.85	5.3	33.51	7.8	25.5	3.16
I29	08 Aug 2024	32	11.63	91.92	5.3	33.51	7.8	25.5	2.86
I29	08 Aug 2024	33	11.63	91.79	5.3	33.51	7.8	25.5	2.76
I29	08 Aug 2024	34	11.63	91.89	5.3	33.51	7.8	25.5	2.89
I29	08 Aug 2024	35	11.63	91.67	5.3	33.51	7.8	25.5	2.70
I29	08 Aug 2024	36	11.63	91.78	5.3	33.51	7.8	25.5	2.54
I29	08 Aug 2024	37	11.63	78.18	5.3	33.51	7.8	25.5	2.67
I29	08 Aug 2024	38	11.63	64.77	5.2	33.51	7.8	25.5	2.68
I30	08 Aug 2024	1	20.23	92.21	8.0	33.46	8.1	23.5	0.79
I30	08 Aug 2024	2	20.03	92.21	8.0	33.45	8.1	23.6	0.84
I30	08 Aug 2024	3	19.25	92.19	8.0	33.44	8.1	23.8	1.05
I30	08 Aug 2024	4	18.51	92.06	8.2	33.43	8.1	23.9	1.23
I30	08 Aug 2024	5	17.88	92.01	8.2	33.41	8.1	24.1	1.39
I30	08 Aug 2024	6	16.76	90.84	8.3	33.41	8.1	24.3	1.67
I30	08 Aug 2024	7	15.64	88.73	8.7	33.42	8.1	24.6	2.31
I30	08 Aug 2024	8	14.90	85.05	9.3	33.41	8.1	24.8	4.25
I30	08 Aug 2024	9	14.71	79.10	9.5	33.41	8.1	24.8	7.22
I30	08 Aug 2024	10	14.38	77.80	9.3	33.43	8.1	24.9	7.22
I30	08 Aug 2024	11	13.41	78.63	9.1	33.41	8.1	25.1	6.90
I30	08 Aug 2024	12	13.10	80.84	8.7	33.42	8.1	25.1	6.34
I30	08 Aug 2024	13	12.90	82.60	8.5	33.45	8.1	25.2	6.04
I30	08 Aug 2024	14	12.72	82.06	8.3	33.45	8.0	25.2	5.97
I30	08 Aug 2024	15	12.53	82.47	8.3	33.44	8.0	25.3	6.02
I30	08 Aug 2024	16	12.25	83.46	7.7	33.44	8.0	25.3	6.84
I30	08 Aug 2024	17	12.01	84.47	6.8	33.47	7.9	25.4	6.54
I30	08 Aug 2024	18	11.99	87.17	6.1	33.49	7.9	25.4	4.63
I30	08 Aug 2024	19	12.00	87.58	5.9	33.49	7.8	25.4	4.05
I30	08 Aug 2024	20	12.00	87.53	5.8	33.49	7.8	25.4	3.58
I30	08 Aug 2024	21	12.00	87.32	5.8	33.50	7.8	25.4	3.49
I30	08 Aug 2024	22	12.00	87.39	5.8	33.50	7.8	25.4	3.48
I30	08 Aug 2024	23	12.01	87.46	5.8	33.50	7.8	25.4	3.36
I30	08 Aug 2024	24	12.00	87.49	5.8	33.50	7.8	25.4	3.47
I30	08 Aug 2024	25	12.00	87.46	5.7	33.51	7.8	25.4	3.19
I30	08 Aug 2024	26	12.00	87.41	5.7	33.51	7.8	25.4	3.29
I30	08 Aug 2024	27	12.00	87.66	5.7	33.51	7.8	25.4	3.61
I30	08 Aug 2024	28	12.01	87.29	5.7	33.51	7.8	25.4	3.26
I31	08 Aug 2024	1	20.27	61.64	10.2	33.46	8.2	23.5	10.16
I31	08 Aug 2024	2	20.21	61.93	10.2	33.46	8.2	23.5	12.53
I31	08 Aug 2024	3	20.09	61.42	10.2	33.46	8.2	23.6	27.12
I31	08 Aug 2024	4	19.44	49.84	9.9	33.44	8.2	23.7	45.32
I31	08 Aug 2024	5	17.35	38.66	9.8	33.43	8.2	24.2	35.23

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I31	08 Aug 2024	6	16.05	54.64	9.8	33.46	8.2	24.6	22.02
I31	08 Aug 2024	7	15.81	65.41	9.7	33.44	8.1	24.6	14.29
I31	08 Aug 2024	8	15.72	69.61	9.7	33.43	8.1	24.6	11.09
I31	08 Aug 2024	9	15.52	72.16	9.7	33.44	8.1	24.7	8.79
I31	08 Aug 2024	10	14.93	76.61	9.5	33.44	8.1	24.8	7.27
I31	08 Aug 2024	11	14.70	78.24	9.2	33.45	8.1	24.8	6.26
I31	08 Aug 2024	12	14.15	79.92	8.7	33.45	8.1	25.0	5.84
I31	08 Aug 2024	13	13.76	80.45	8.1	33.46	8.0	25.0	5.83
I31	08 Aug 2024	14	13.46	80.07	7.4	33.46	8.0	25.1	5.92
I31	08 Aug 2024	15	13.09	79.42	7.0	33.47	7.9	25.2	6.02
I31	08 Aug 2024	16	12.86	79.28	7.0	33.47	7.9	25.2	5.62
I31	08 Aug 2024	17	12.81	80.21	6.9	33.48	7.9	25.3	5.31
I31	08 Aug 2024	18	12.77	80.74	6.8	33.48	7.9	25.3	4.82
I31	08 Aug 2024	19	12.64	82.27	6.7	33.49	7.9	25.3	3.79
I33	08 Aug 2024	1	19.86	91.60	7.8	33.45	8.1	23.6	0.79
I33	08 Aug 2024	2	19.27	90.36	7.6	33.48	8.1	23.8	1.08
I33	08 Aug 2024	3	17.86	87.19	7.4	33.52	8.1	24.2	1.83
I33	08 Aug 2024	4	16.51	81.71	7.5	33.49	8.0	24.5	2.63
I33	08 Aug 2024	5	15.68	76.98	7.7	33.48	8.0	24.6	3.58
I33	08 Aug 2024	6	14.86	76.24	8.1	33.46	8.0	24.8	4.28
I33	08 Aug 2024	7	13.56	78.49	8.3	33.45	8.1	25.1	5.04
I33	08 Aug 2024	8	12.88	80.77	8.0	33.41	8.0	25.2	5.50
I33	08 Aug 2024	9	12.62	83.12	7.7	33.42	8.0	25.2	5.61
I33	08 Aug 2024	10	12.43	84.28	7.3	33.43	8.0	25.3	5.85
I33	08 Aug 2024	11	12.36	84.36	7.1	33.43	7.9	25.3	5.79
I33	08 Aug 2024	12	12.30	84.43	6.8	33.44	7.9	25.3	6.02
I33	08 Aug 2024	13	12.26	84.51	6.4	33.46	7.9	25.3	5.79
I33	08 Aug 2024	14	12.21	84.34	6.2	33.46	7.9	25.4	5.69
I33	08 Aug 2024	15	12.19	84.33	6.0	33.47	7.9	25.4	5.17
I33	08 Aug 2024	16	12.19	84.30	6.0	33.47	7.9	25.4	5.06
I33	08 Aug 2024	17	12.19	84.22	6.0	33.48	7.8	25.4	5.05
I33	08 Aug 2024	18	12.17	84.07	5.9	33.48	7.8	25.4	4.83
I33	08 Aug 2024	19	12.17	84.20	5.9	33.48	7.8	25.4	5.02
I33	08 Aug 2024	20	12.16	84.30	5.8	33.49	7.8	25.4	4.97
I33	08 Aug 2024	21	12.14	84.48	5.6	33.50	7.8	25.4	4.85
I33	08 Aug 2024	22	12.11	84.42	5.4	33.50	7.8	25.4	3.82
I33	08 Aug 2024	23	12.06	84.62	5.3	33.50	7.8	25.4	3.53
I33	08 Aug 2024	24	11.98	84.85	5.2	33.51	7.8	25.4	3.62
I33	08 Aug 2024	25	11.95	85.47	5.1	33.51	7.8	25.4	3.15
I33	08 Aug 2024	26	11.95	86.00	5.1	33.51	7.8	25.4	2.93
I33	08 Aug 2024	27	11.94	86.03	5.1	33.51	7.8	25.4	3.23
I33	08 Aug 2024	28	11.94	85.89	5.1	33.51	7.8	25.4	3.16
I33	08 Aug 2024	29	11.94	85.85	5.1	33.51	7.8	25.4	2.97
I33	08 Aug 2024	30	11.95	85.72	5.0	33.51	7.8	25.4	3.09
I34	08 Aug 2024	1	18.96	89.84	8.2	33.45	8.1	23.8	0.90
I34	08 Aug 2024	2	18.63	89.74	8.3	33.46	8.1	23.9	1.11
I34	08 Aug 2024	3	18.37	88.04	8.4	33.46	8.1	24.0	1.40
I34	08 Aug 2024	4	18.27	86.24	8.4	33.46	8.1	24.0	1.73
I34	08 Aug 2024	5	18.22	85.14	8.4	33.46	8.1	24.0	2.03
I34	08 Aug 2024	6	18.02	84.55	8.4	33.47	8.1	24.1	2.24
I34	08 Aug 2024	7	17.80	83.91	8.4	33.46	8.1	24.1	2.44
I34	08 Aug 2024	8	16.83	83.87	8.4	33.46	8.1	24.4	2.57
I34	08 Aug 2024	9	15.80	84.29	8.4	33.44	8.1	24.6	2.91
I34	08 Aug 2024	10	14.61	84.53	8.5	33.43	8.1	24.8	3.48
I34	08 Aug 2024	11	13.70	84.02	8.4	33.43	8.1	25.0	4.97
I34	08 Aug 2024	12	13.33	82.49	8.1	33.42	8.0	25.1	5.98
I34	08 Aug 2024	13	12.75	82.96	7.6	33.44	8.0	25.2	5.92
I34	08 Aug 2024	14	12.39	83.08	6.6	33.46	7.9	25.3	5.85
I34	08 Aug 2024	15	12.32	82.06	6.0	33.46	7.8	25.3	5.77

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I34	08 Aug 2024	16	12.26	81.87	5.9	33.46	7.8	25.3	5.29
I34	08 Aug 2024	17	12.26	82.10	5.8	33.47	7.8	25.3	5.13
I34	08 Aug 2024	18	12.25	82.24	5.8	33.47	7.8	25.4	4.92
I34	08 Aug 2024	19	12.27	82.27	5.8	33.48	7.8	25.4	4.71
I35	08 Aug 2024	1	20.00	91.32	7.9	33.45	8.1	23.6	0.44
I35	08 Aug 2024	2	19.91	93.31	7.9	33.45	8.1	23.6	0.44
I35	08 Aug 2024	3	19.77	93.26	7.9	33.45	8.1	23.6	0.53
I35	08 Aug 2024	4	19.33	92.31	8.0	33.45	8.1	23.8	0.69
I35	08 Aug 2024	5	19.07	90.38	8.1	33.44	8.1	23.8	1.05
I35	08 Aug 2024	6	18.94	87.45	8.2	33.44	8.1	23.8	1.38
I35	08 Aug 2024	7	18.19	87.39	8.4	33.44	8.1	24.0	1.63
I35	08 Aug 2024	8	17.49	85.59	8.4	33.44	8.1	24.2	1.97
I35	08 Aug 2024	9	15.97	85.50	8.6	33.44	8.1	24.6	2.36
I35	08 Aug 2024	10	15.39	85.01	8.8	33.43	8.1	24.7	2.94
I35	08 Aug 2024	11	14.51	84.95	8.8	33.44	8.1	24.9	3.79
I35	08 Aug 2024	12	13.12	81.45	8.1	33.46	8.1	25.2	5.04
I35	08 Aug 2024	13	12.62	79.30	6.8	33.47	7.9	25.3	5.28
I35	08 Aug 2024	14	12.55	80.83	6.3	33.47	7.9	25.3	5.26
I35	08 Aug 2024	15	12.53	80.30	6.1	33.47	7.9	25.3	4.81
I35	08 Aug 2024	16	12.51	79.56	6.1	33.47	7.9	25.3	4.89
I35	08 Aug 2024	17	12.52	78.33	6.0	33.48	7.9	25.3	4.95
I35	08 Aug 2024	18	12.48	77.55	6.0	33.48	7.9	25.3	5.05
I35	08 Aug 2024	19	12.48	77.10	6.0	33.49	7.9	25.3	4.76
I36	08 Aug 2024	1	20.42	86.37	8.1	33.46	8.1	23.5	1.11
I36	08 Aug 2024	2	20.40	86.26	8.1	33.46	8.1	23.5	1.13
I36	08 Aug 2024	3	20.34	86.57	8.2	33.46	8.1	23.5	1.27
I36	08 Aug 2024	4	20.29	86.39	8.2	33.46	8.1	23.5	1.71
I36	08 Aug 2024	5	20.24	85.73	8.0	33.45	8.1	23.5	2.19
I36	08 Aug 2024	6	19.97	85.20	7.6	33.42	8.1	23.6	2.57
I36	08 Aug 2024	7	18.08	81.95	7.7	33.41	8.1	24.0	3.61
I36	08 Aug 2024	8	17.68	70.40	8.0	33.40	8.1	24.1	5.11
I36	08 Aug 2024	9	16.79	74.91	8.6	33.41	8.1	24.3	5.33
I36	08 Aug 2024	10	15.92	78.10	8.6	33.41	8.1	24.5	5.32
I36	08 Aug 2024	11	15.18	75.59	8.3	33.41	8.1	24.7	5.36
I37	08 Aug 2024	1	18.43	89.16	8.3	33.47	8.1	24.0	1.06
I37	08 Aug 2024	2	18.14	88.16	8.5	33.47	8.1	24.1	1.39
I37	08 Aug 2024	3	17.90	86.70	8.6	33.46	8.1	24.1	1.85
I37	08 Aug 2024	4	16.98	84.42	8.6	33.45	8.1	24.3	2.30
I37	08 Aug 2024	5	16.77	84.09	8.5	33.45	8.1	24.4	2.73
I37	08 Aug 2024	6	16.43	84.15	8.5	33.44	8.1	24.4	3.05
I37	08 Aug 2024	7	15.82	84.28	8.4	33.44	8.1	24.6	3.56
I37	08 Aug 2024	8	14.55	83.87	8.3	33.44	8.1	24.9	4.60
I37	08 Aug 2024	9	13.57	82.21	8.1	33.45	8.0	25.1	6.05
I37	08 Aug 2024	10	13.39	77.60	7.7	33.46	8.0	25.1	6.75
I37	08 Aug 2024	11	13.40	74.14	7.5	33.46	8.0	25.1	6.61
I37	08 Aug 2024	12	13.42	72.22	7.4	33.47	8.0	25.1	6.56
I38	08 Aug 2024	1	20.62	80.50	8.1	33.37	8.1	23.4	1.32
I38	08 Aug 2024	2	20.42	80.04	8.1	33.39	8.1	23.4	1.52
I38	08 Aug 2024	3	20.17	80.47	8.1	33.43	8.1	23.5	1.63
I38	08 Aug 2024	4	19.88	84.66	8.0	33.45	8.1	23.6	1.57
I38	08 Aug 2024	5	19.79	89.00	8.0	33.45	8.1	23.6	1.22
I38	08 Aug 2024	6	19.71	91.79	7.9	33.45	8.1	23.7	1.06
I38	08 Aug 2024	7	19.55	92.46	7.9	33.44	8.1	23.7	1.23
I38	08 Aug 2024	8	18.46	91.26	8.0	33.43	8.1	24.0	1.94
I38	08 Aug 2024	9	16.85	83.59	8.3	33.44	8.1	24.4	2.79
I38	08 Aug 2024	10	14.93	82.18	9.1	33.44	8.1	24.8	3.77

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
138	08 Aug 2024	11	14.54	78.91	8.3	33.42	8.1	24.9	5.14

NA = not available

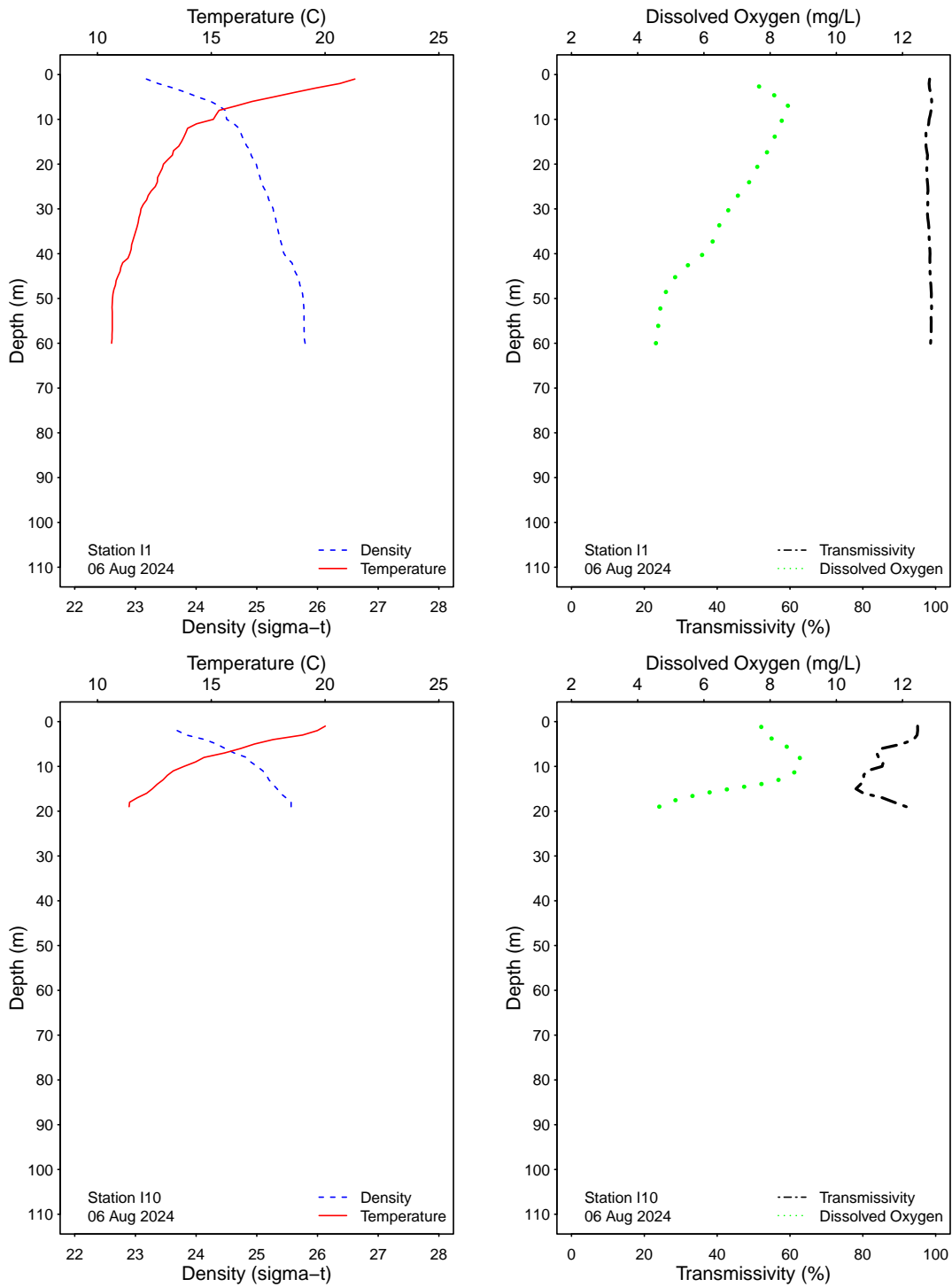


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

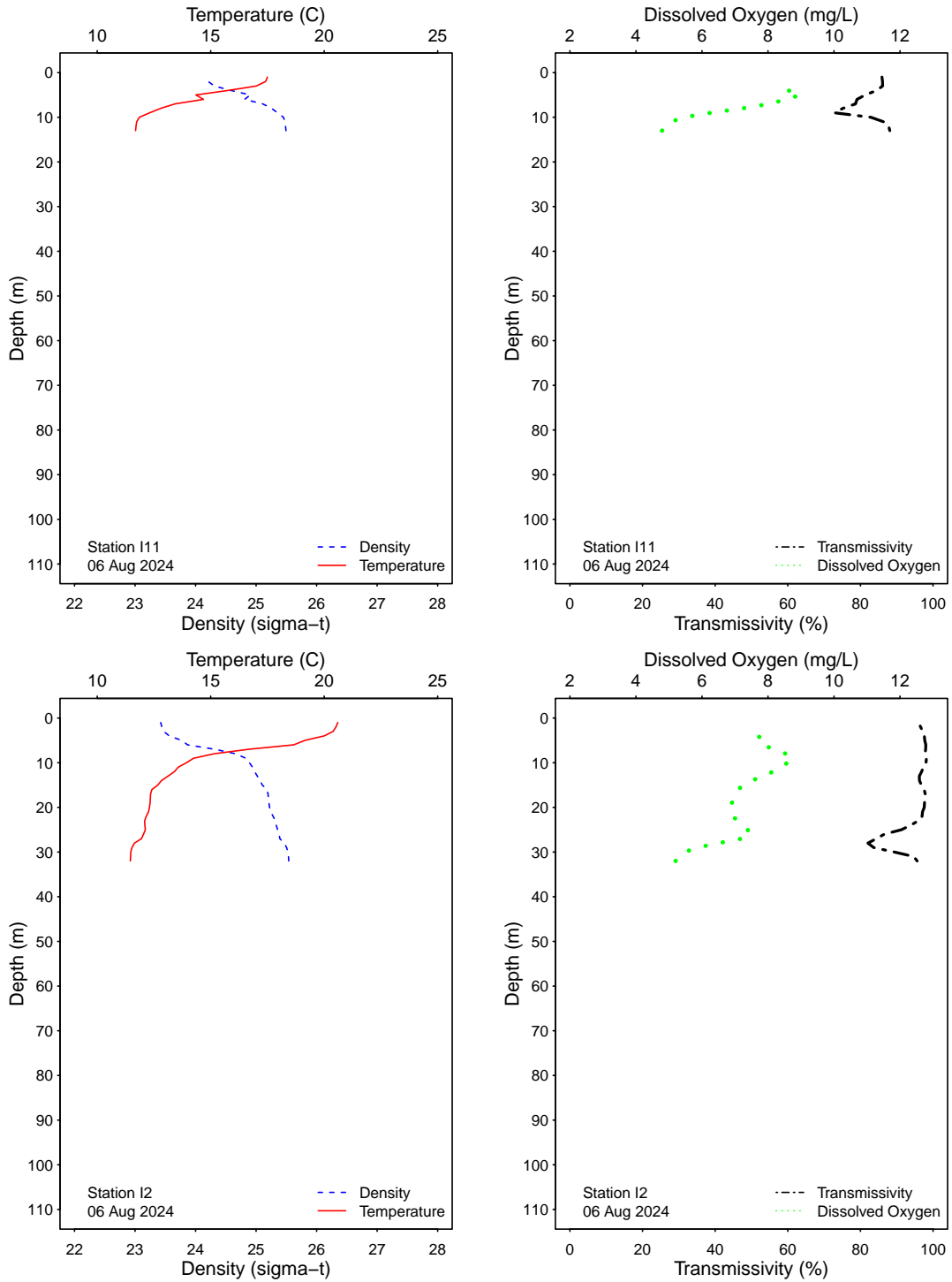


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

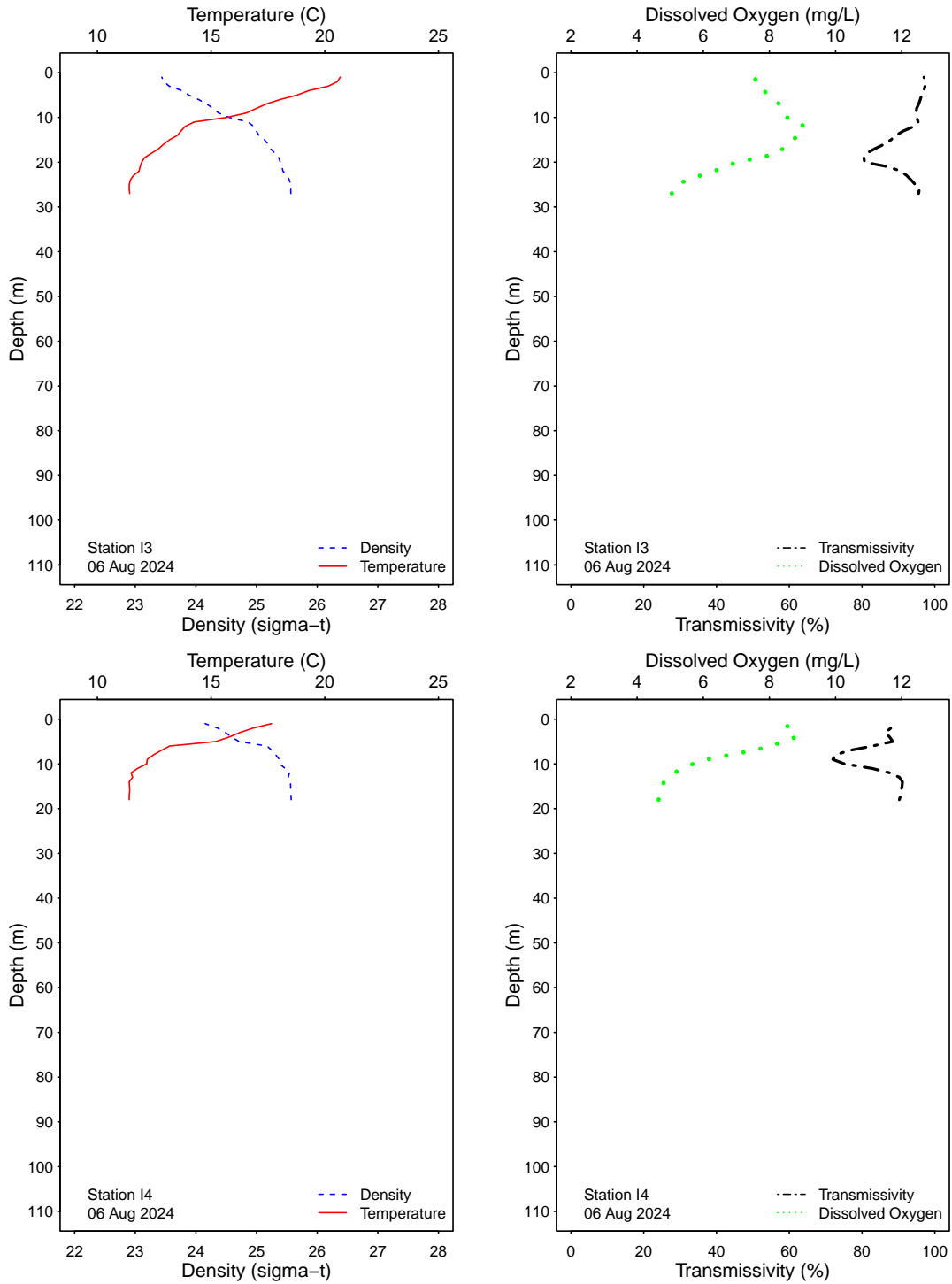


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

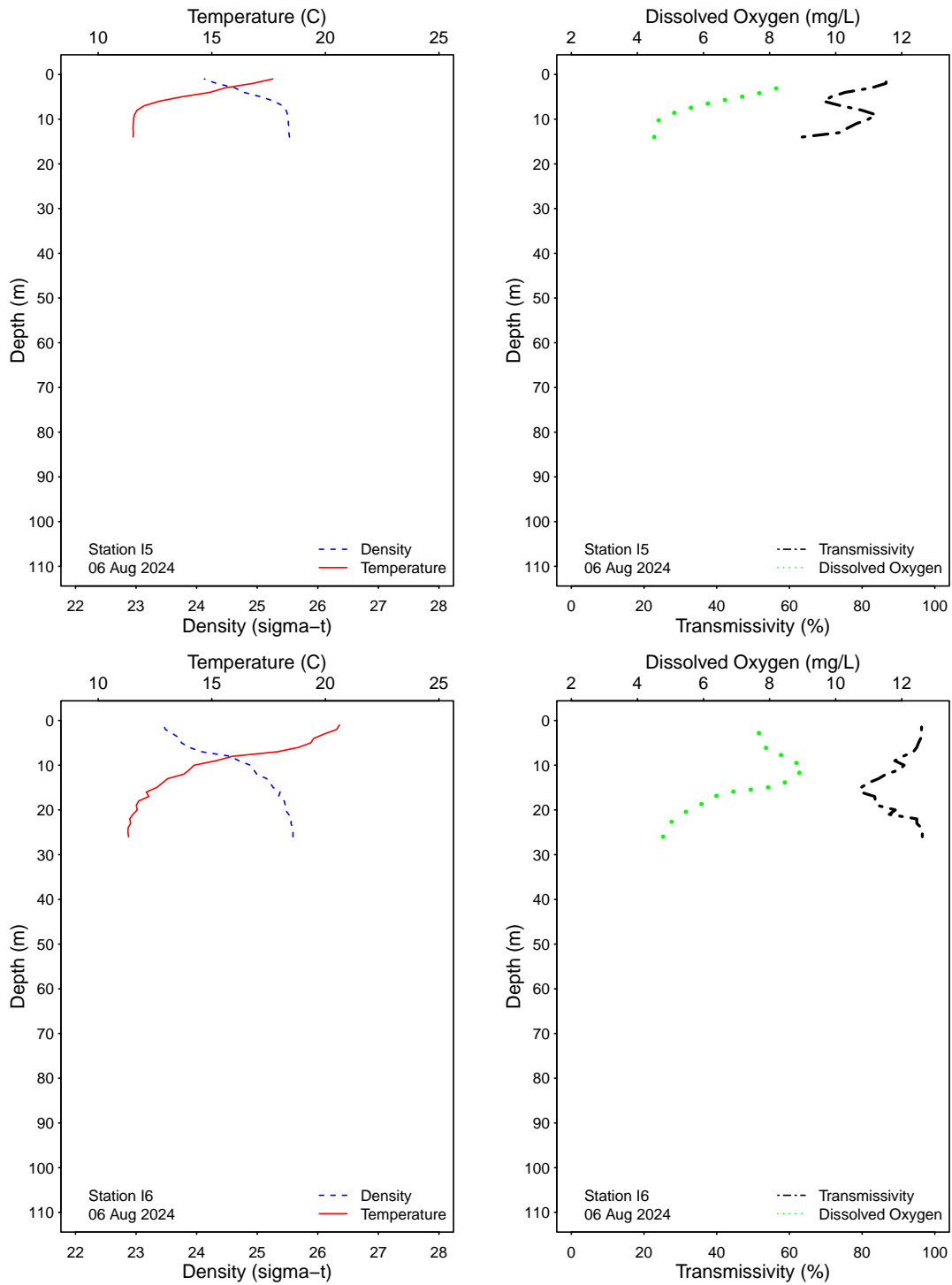


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

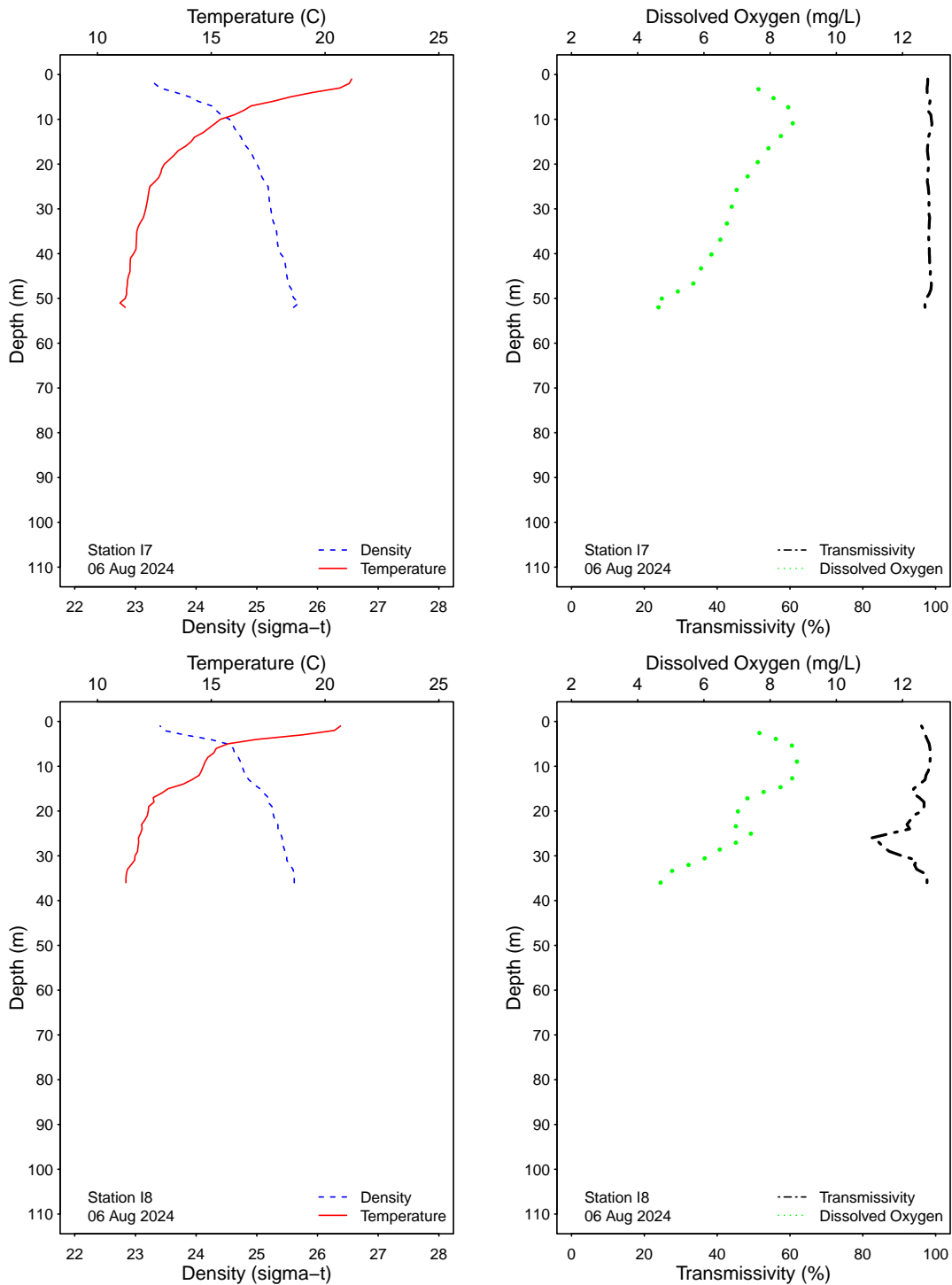


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

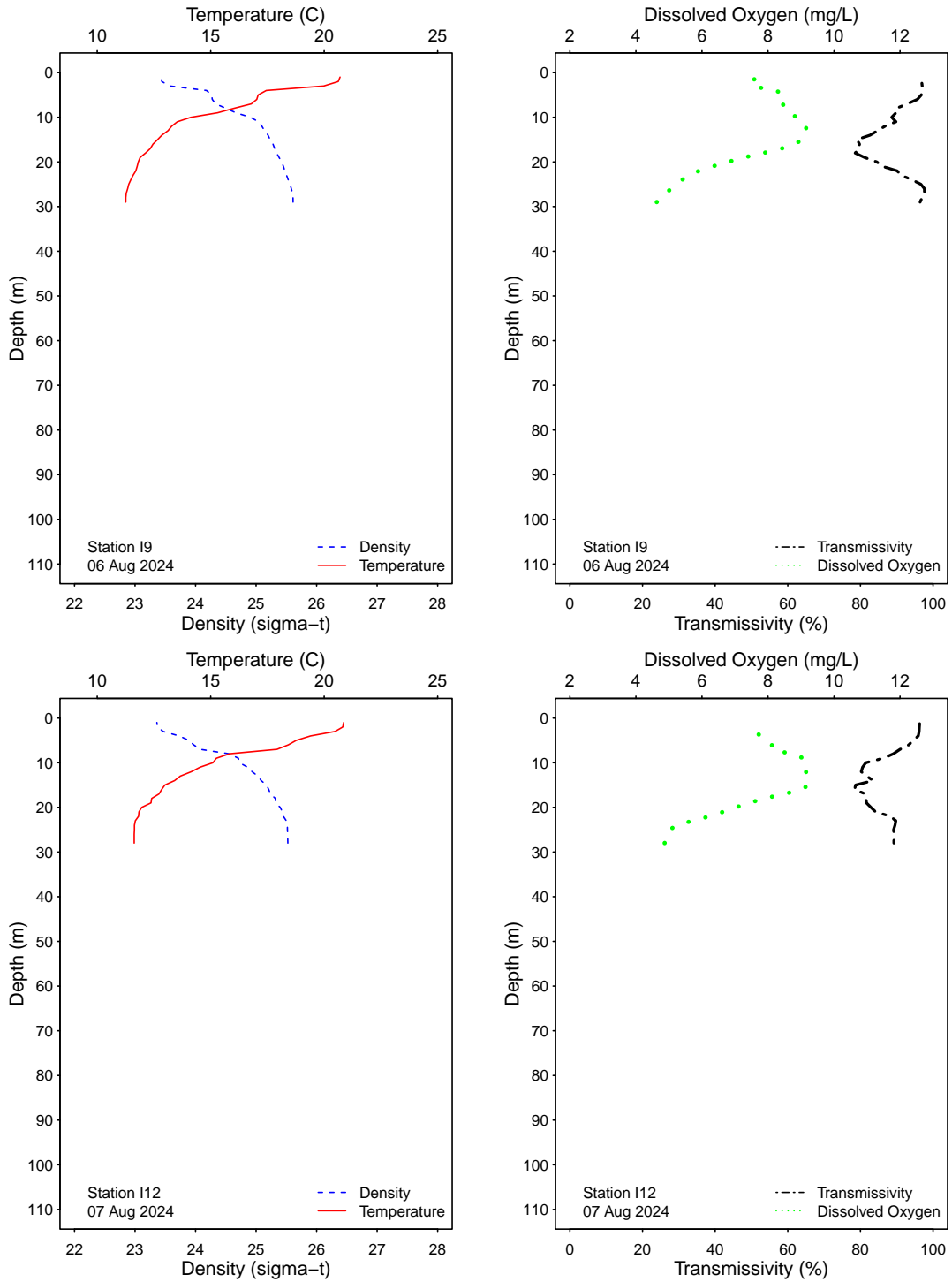


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

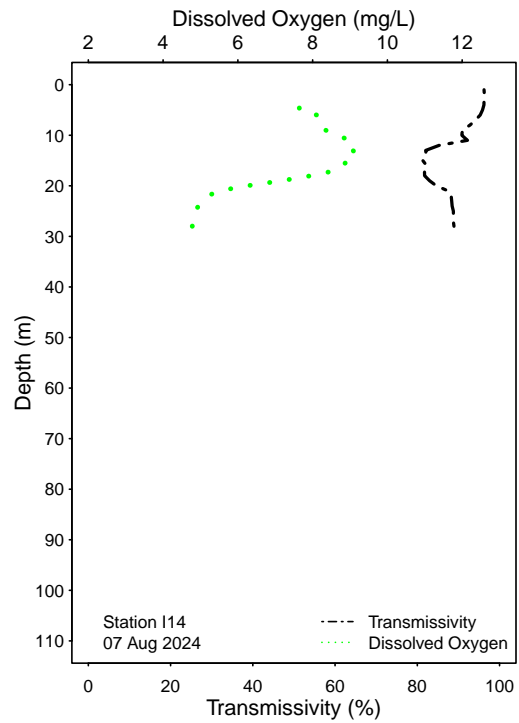
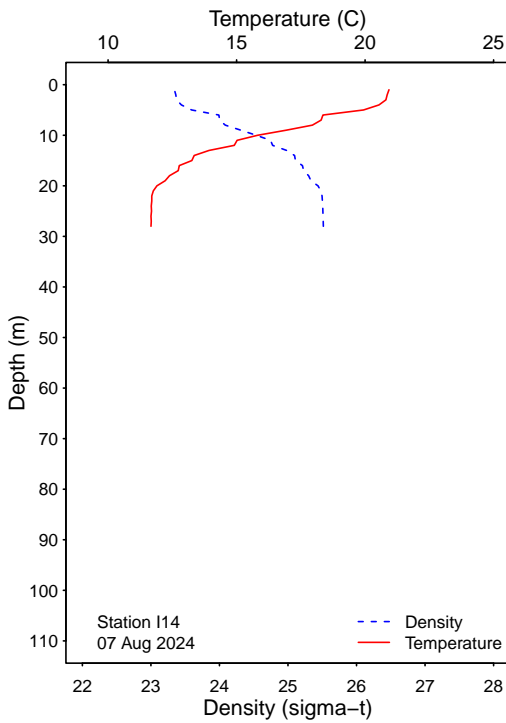
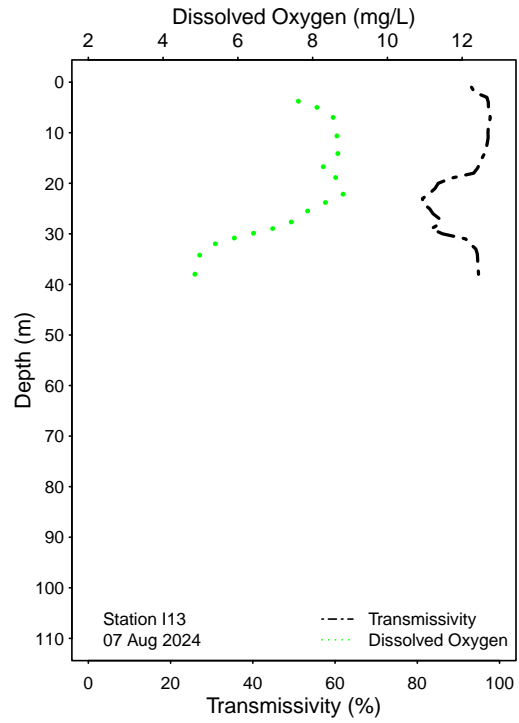
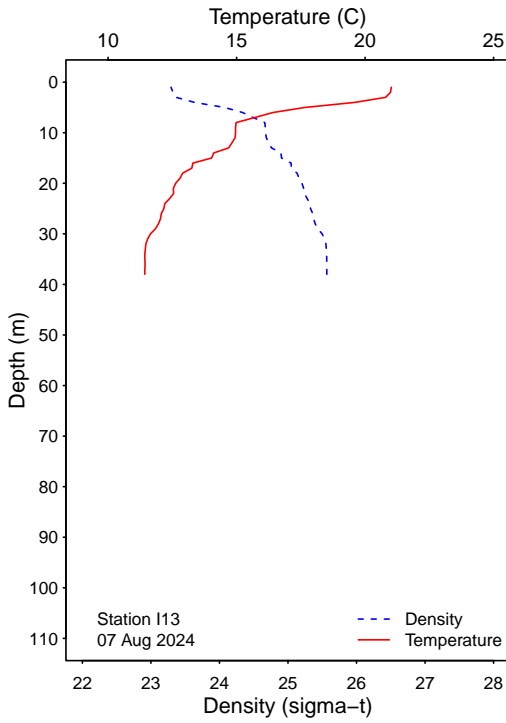


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

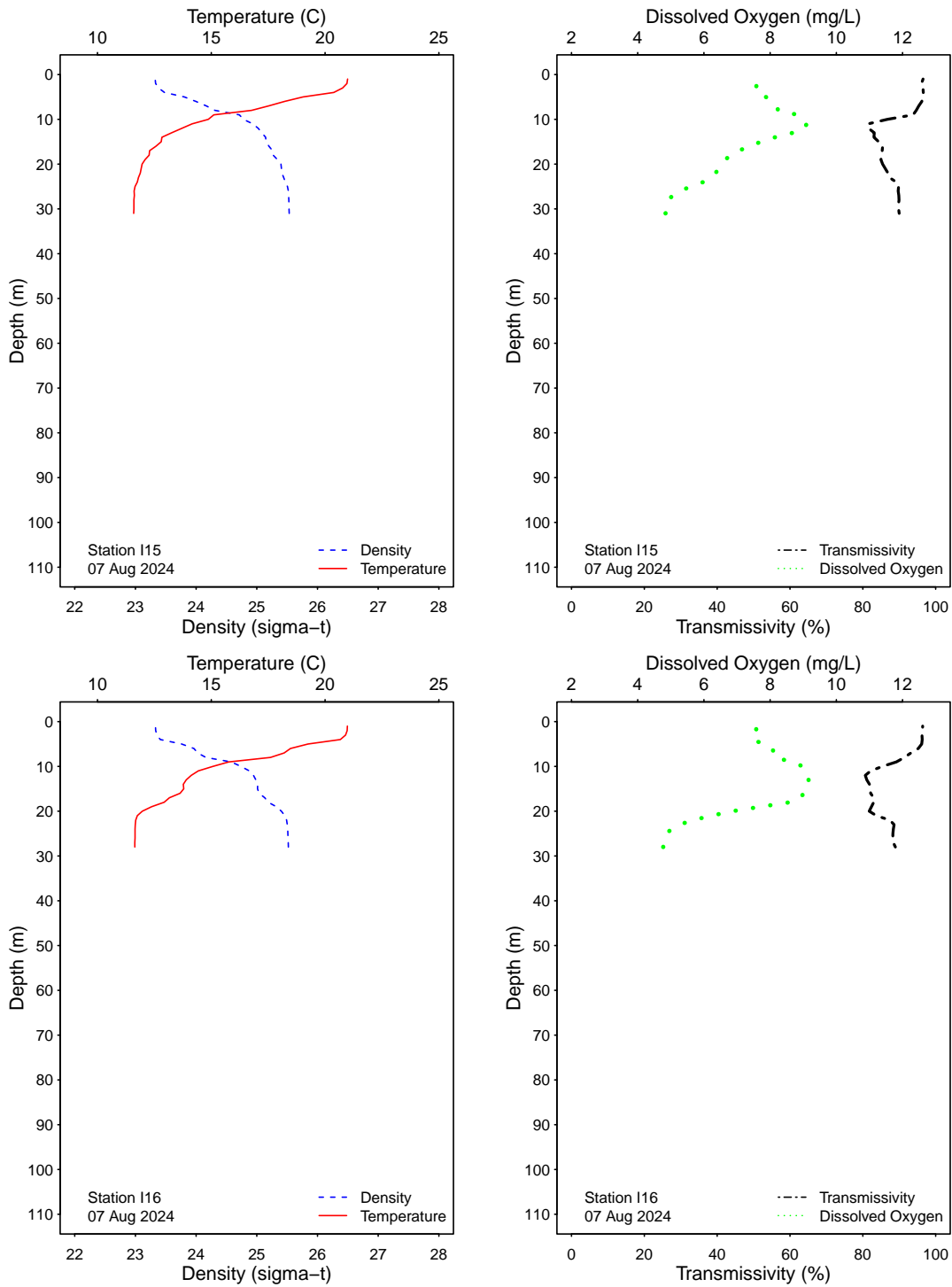


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

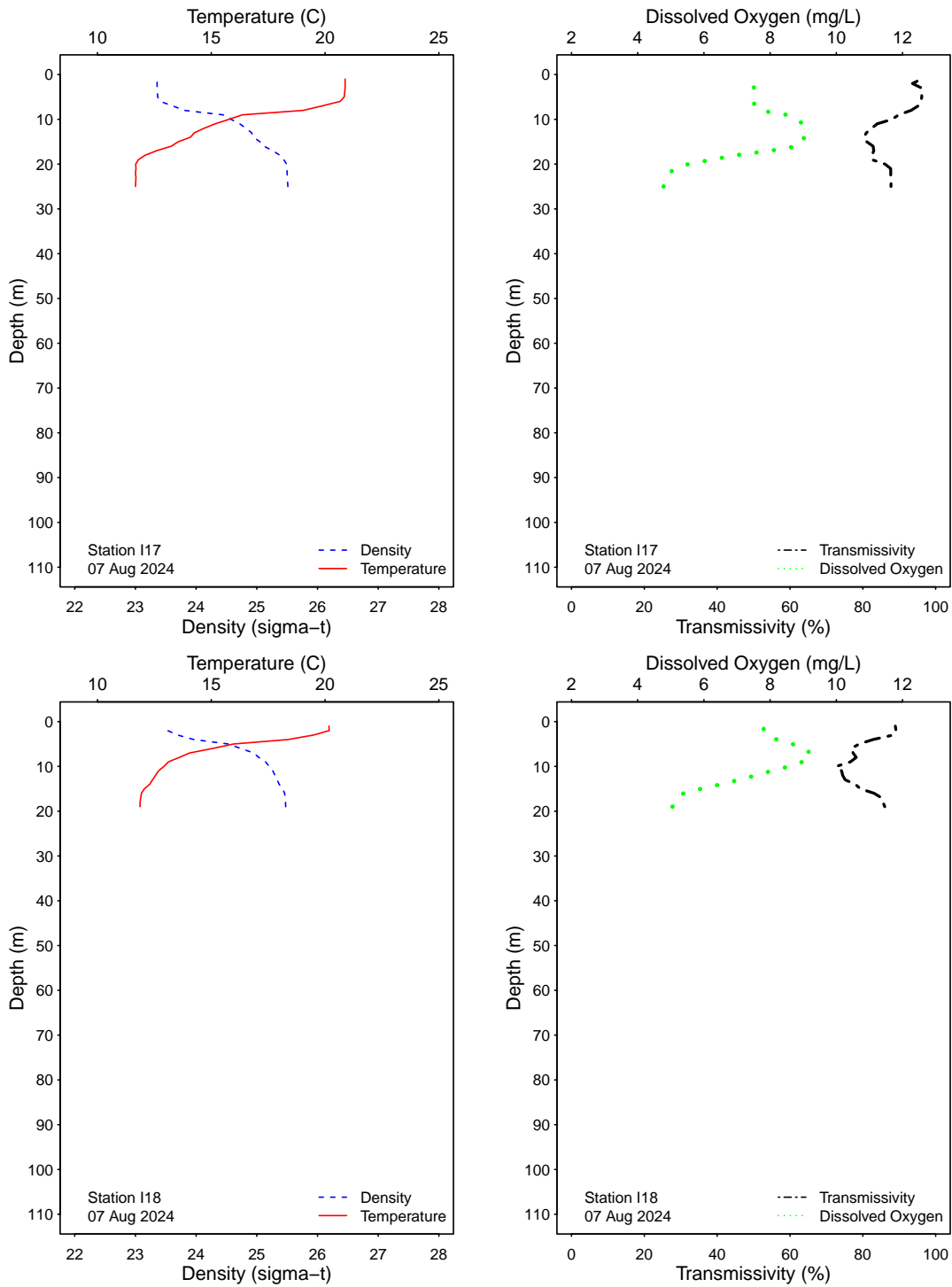


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

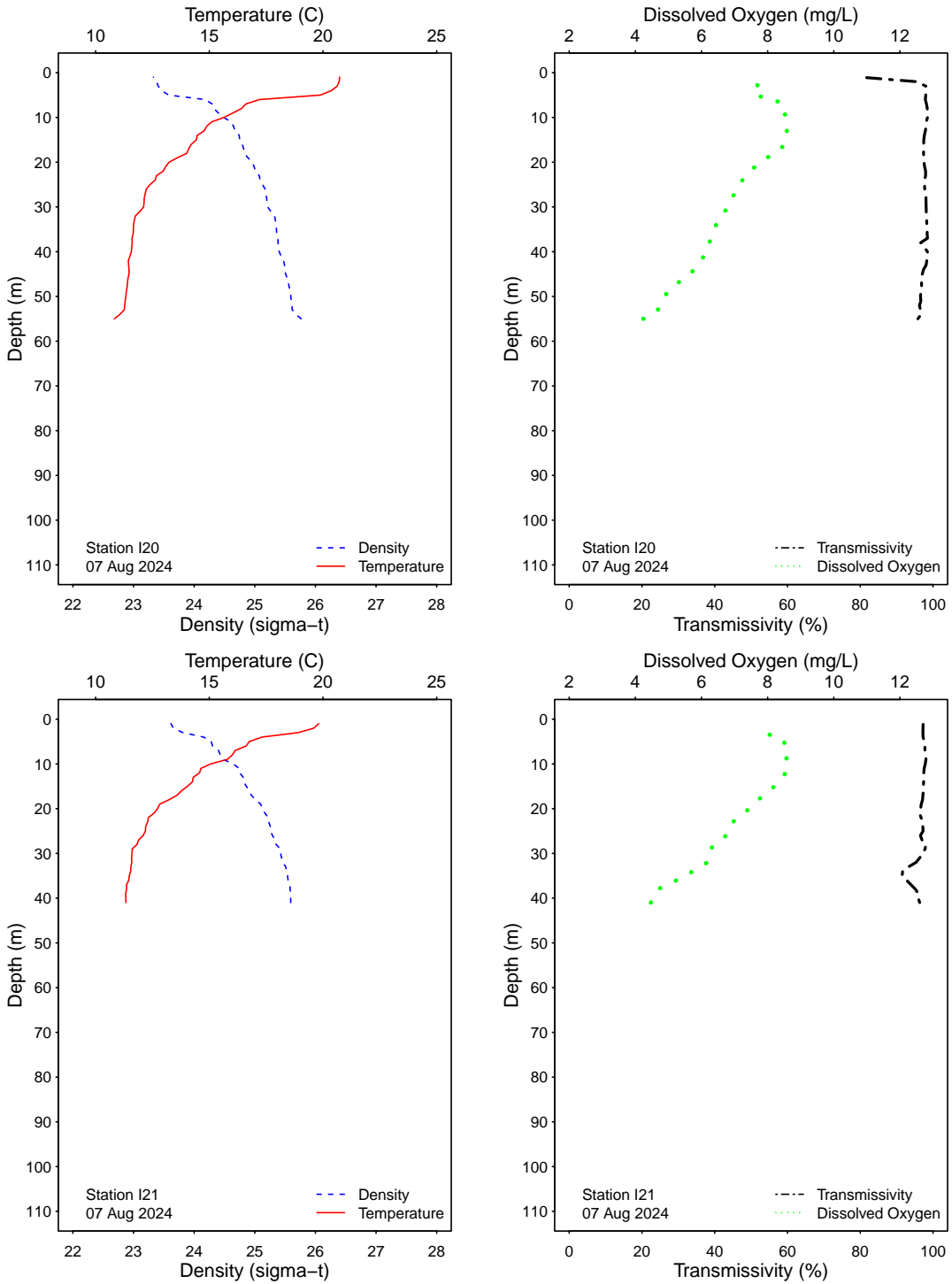


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

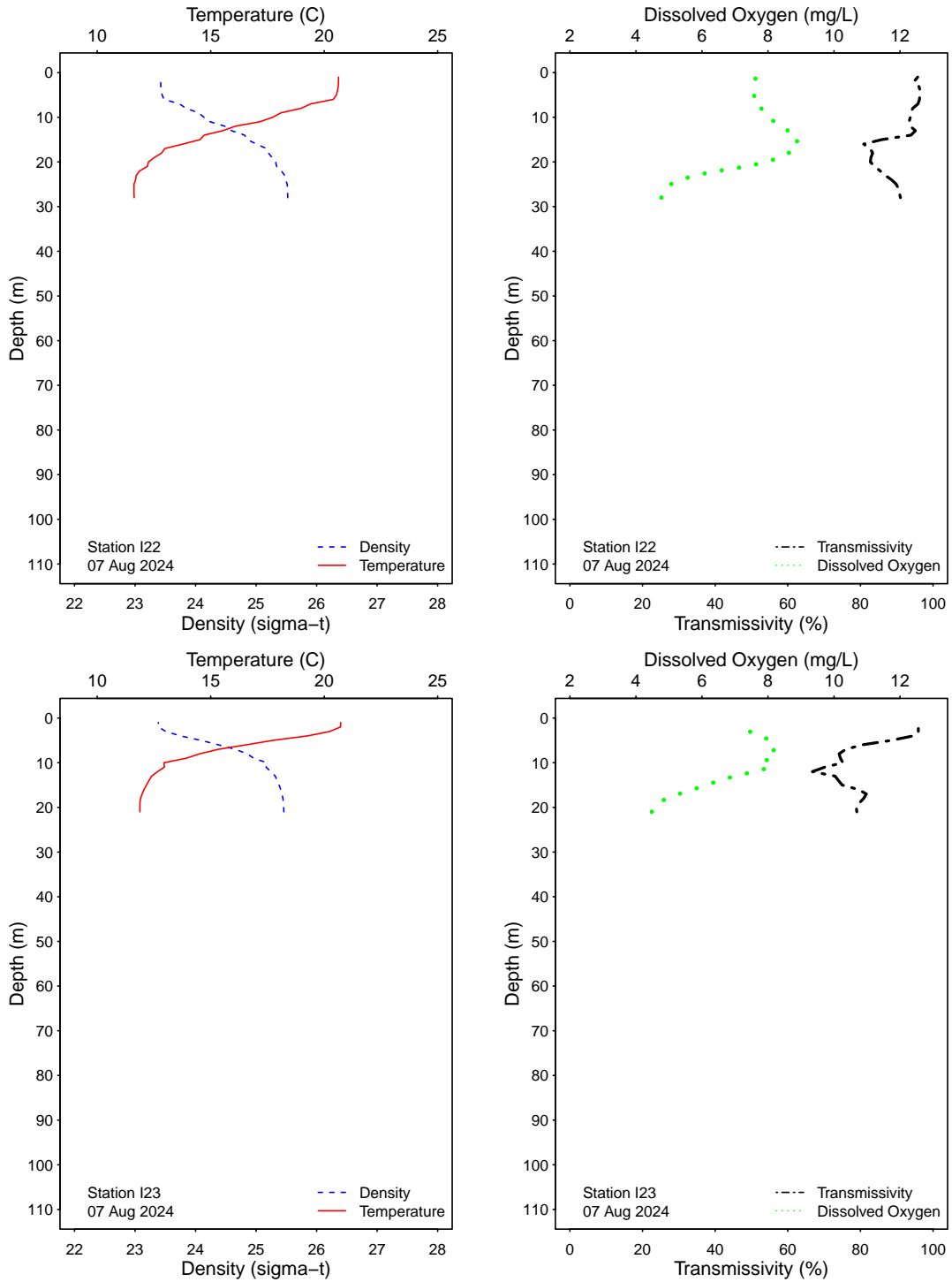


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

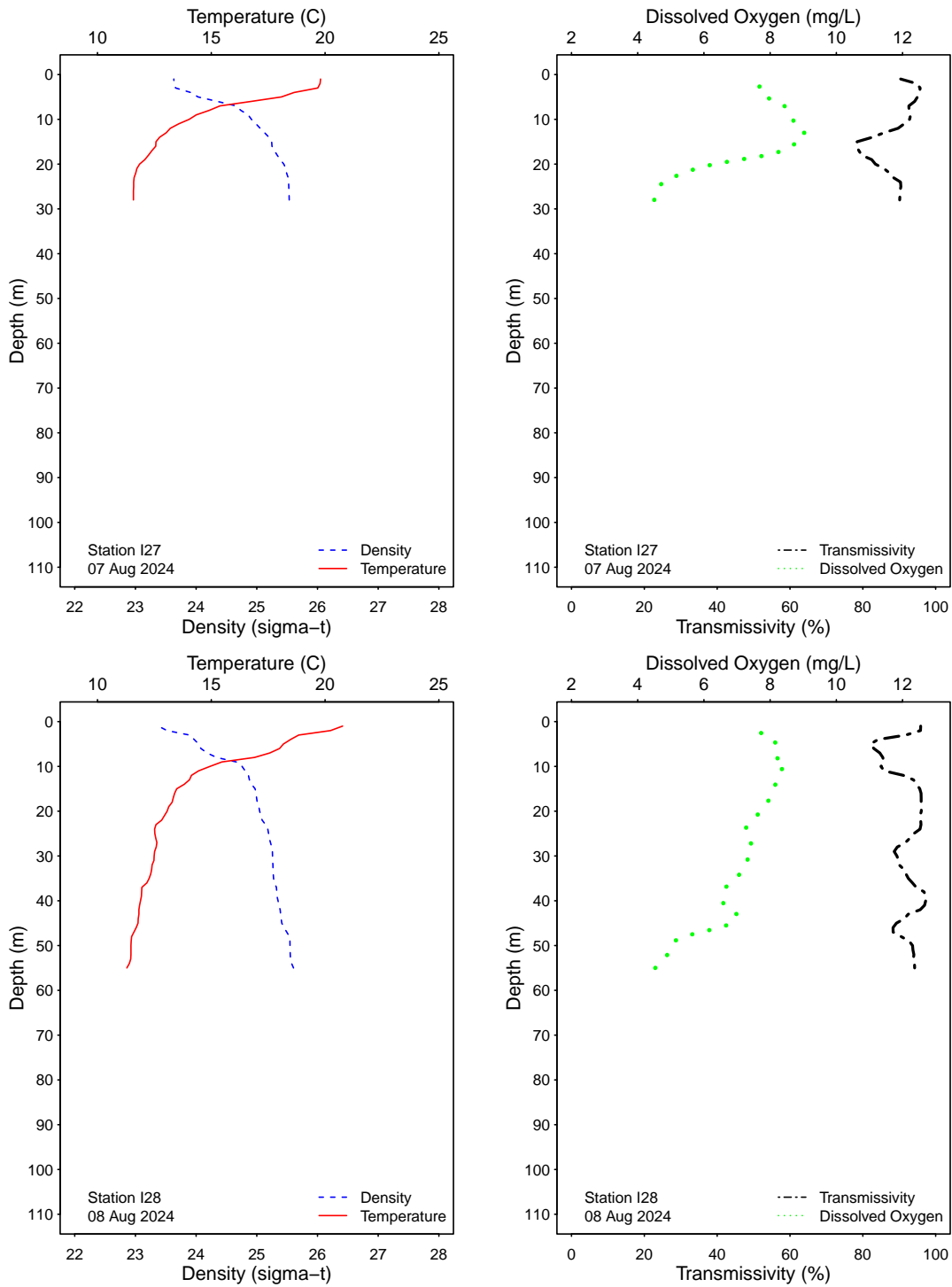


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

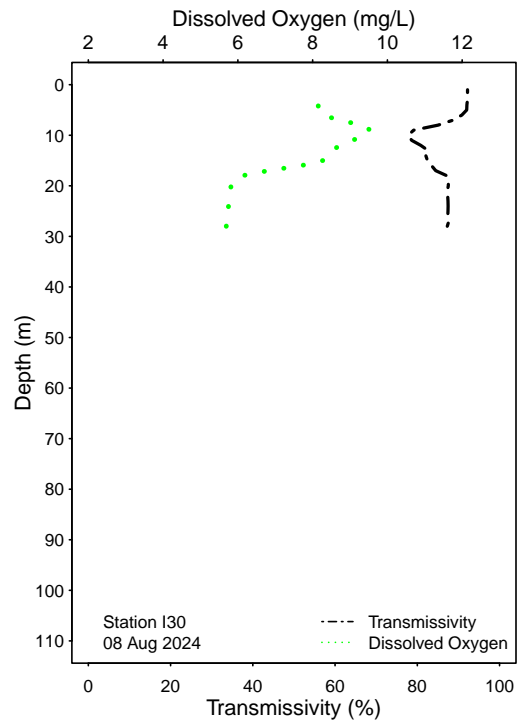
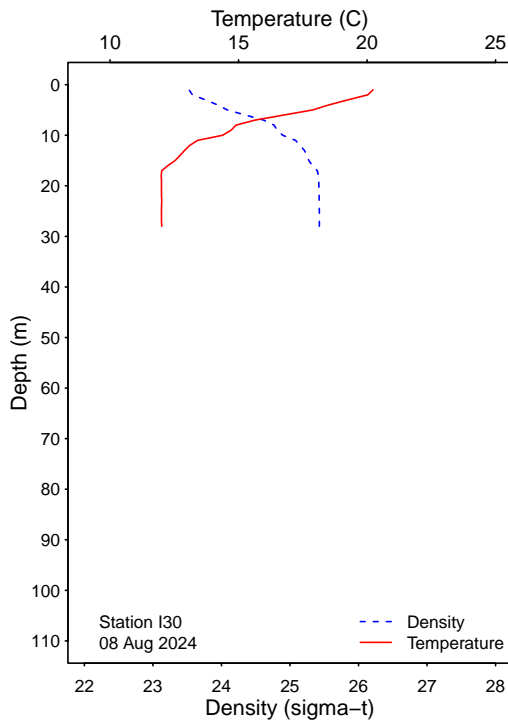
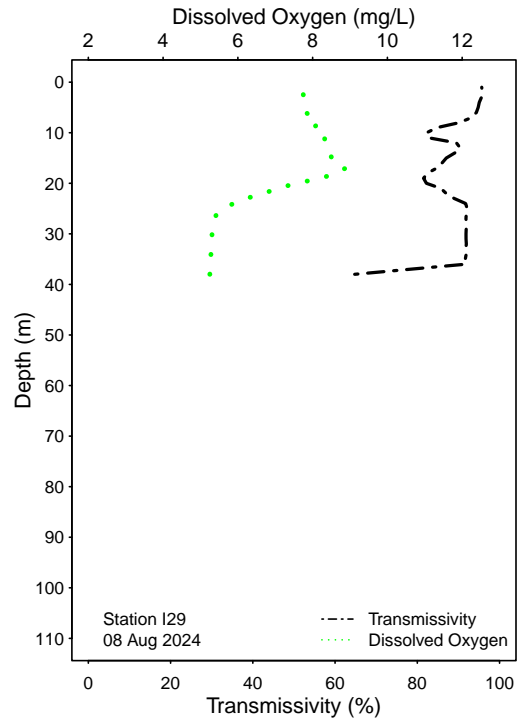
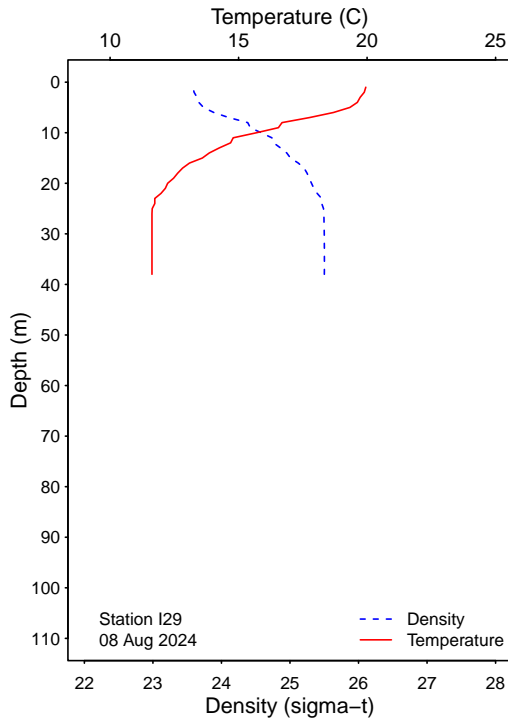


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

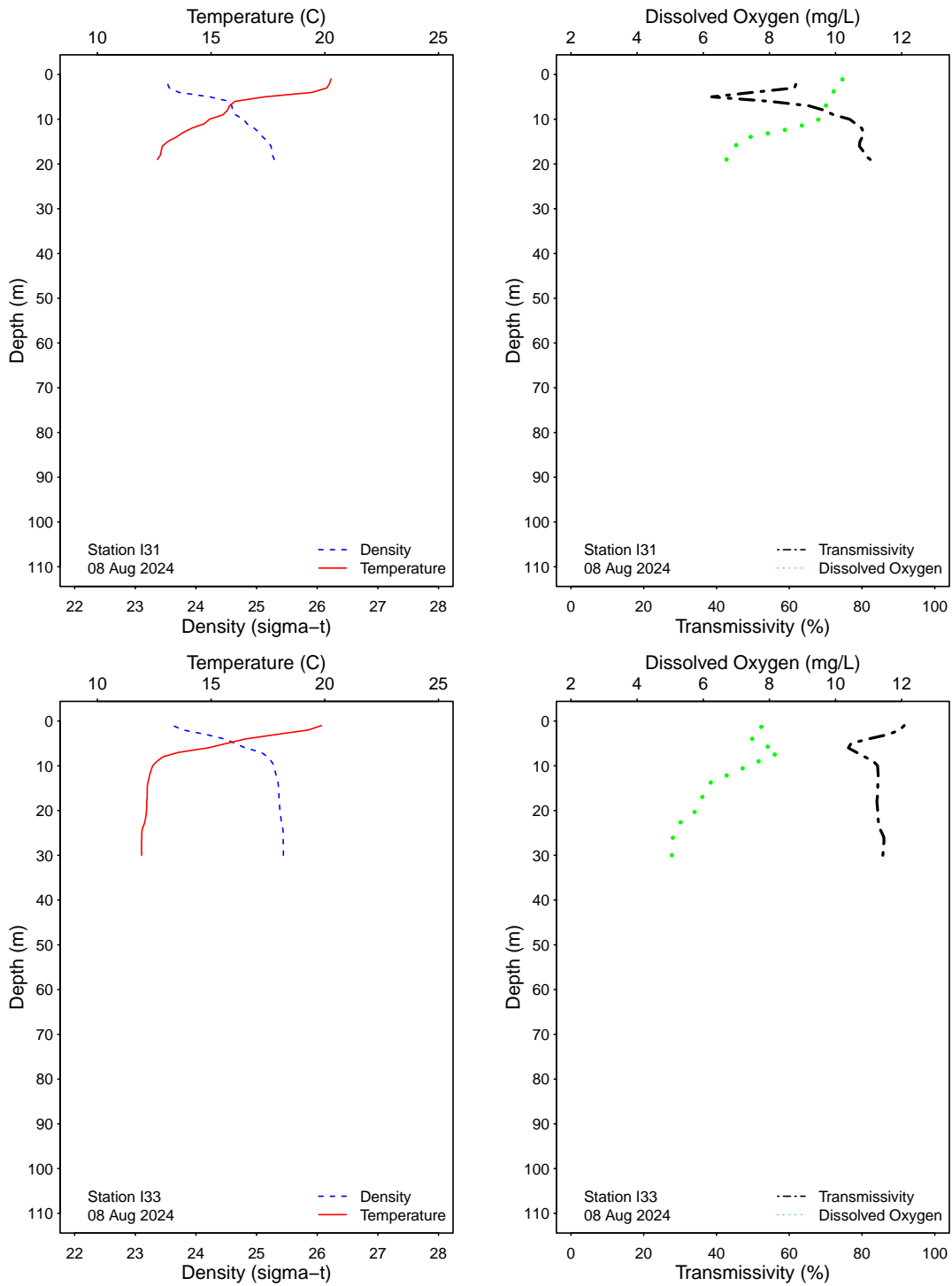


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

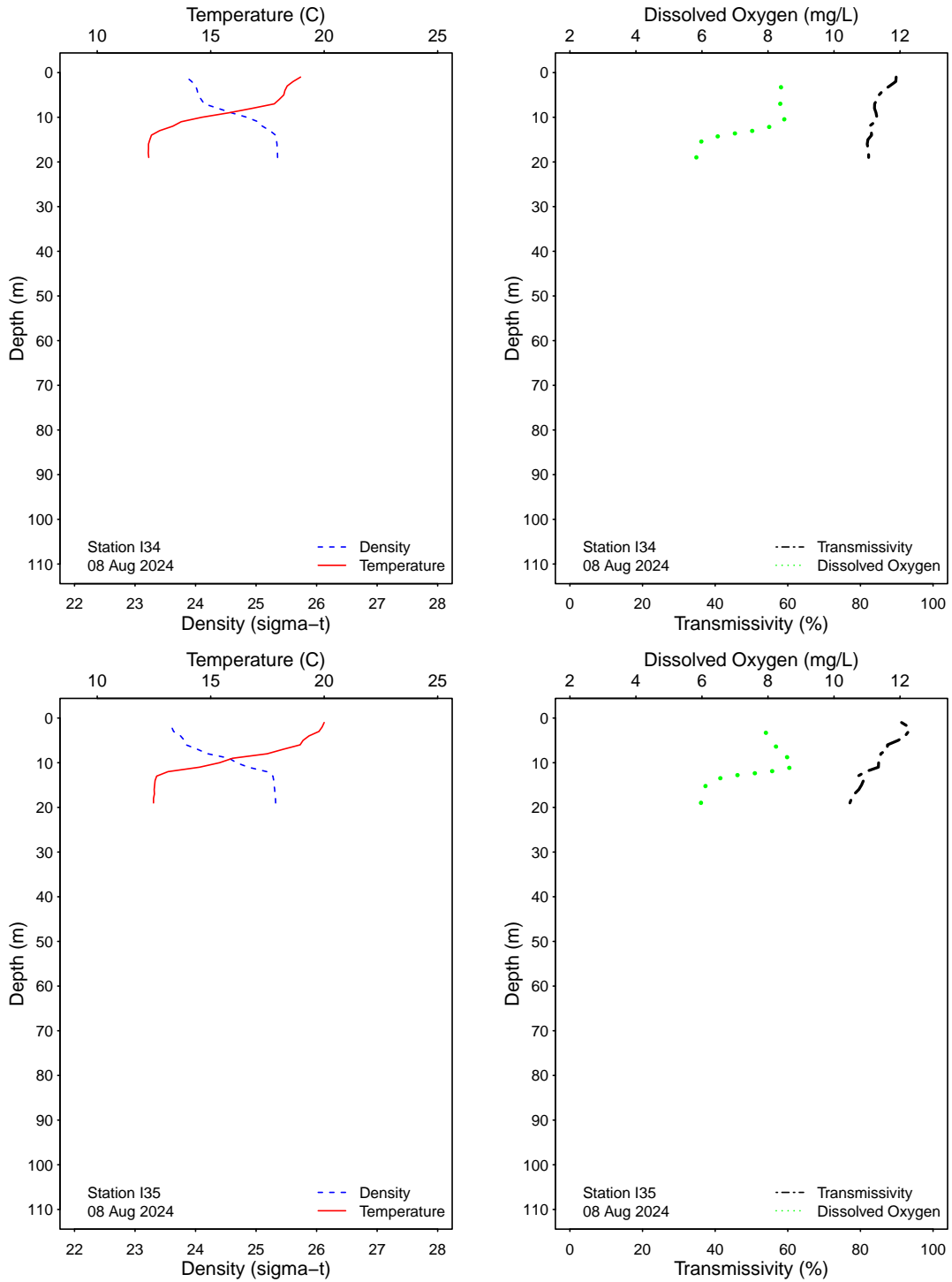


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

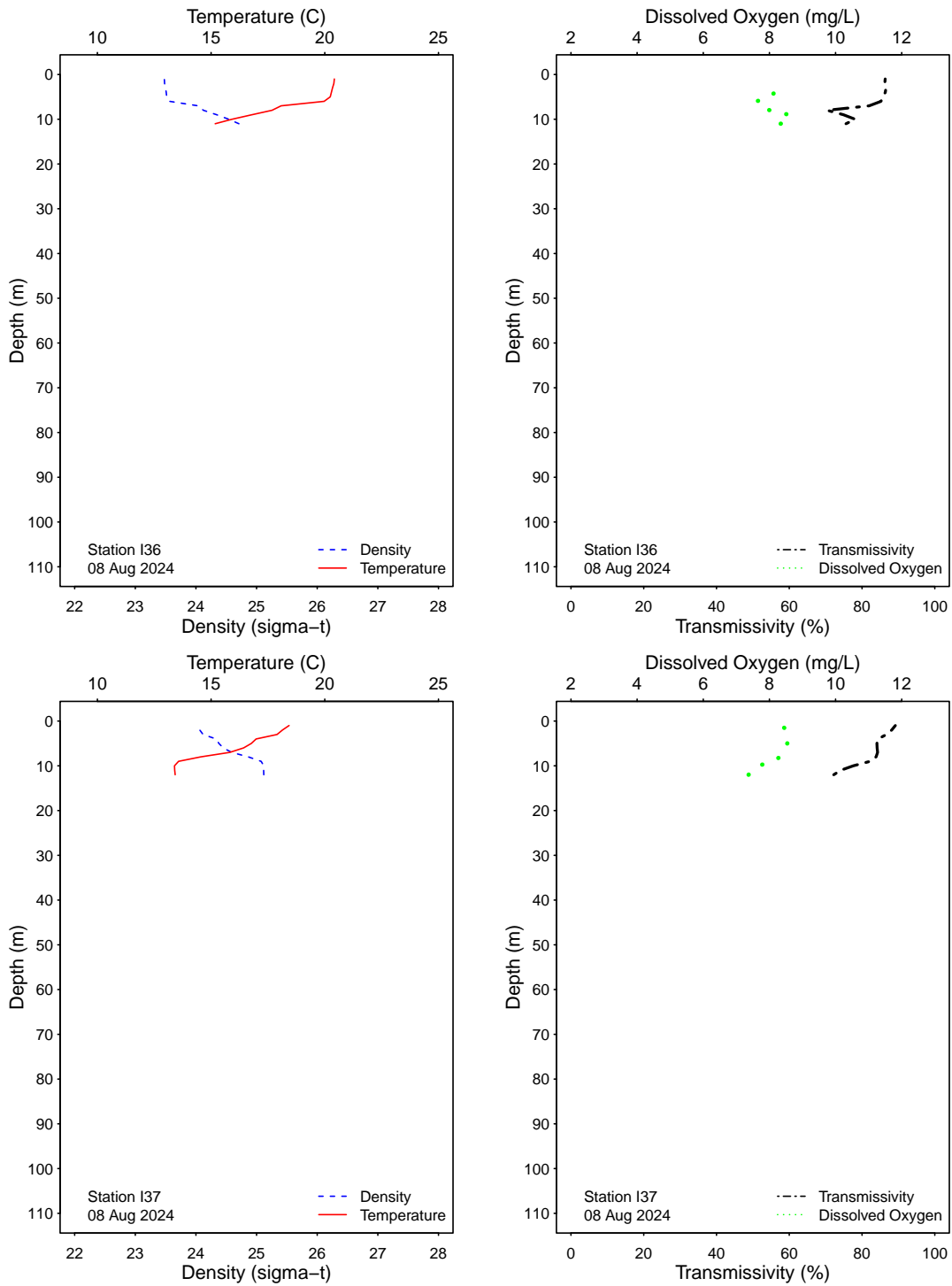


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

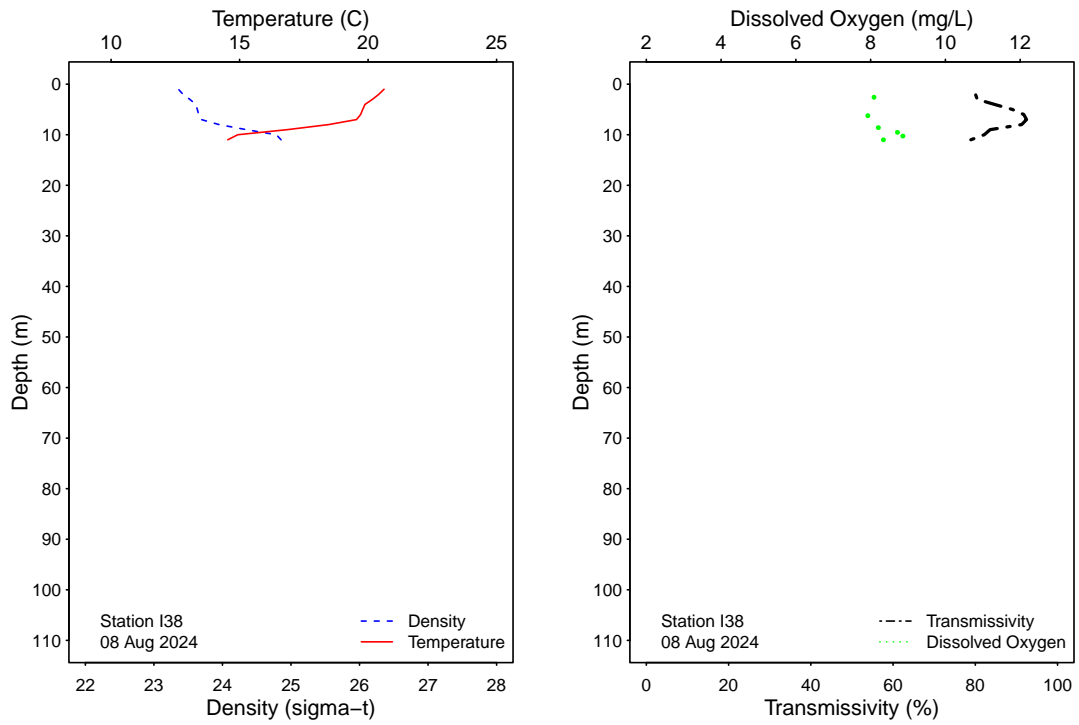


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

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* (Enteroc) are reported as CFU/100 mL.

Station	Date	Depth	Analyst	Procedure	Total	Fecal	Enteroc
I3	06 Aug 2024	18	ADG	LAB DUPLICATE	20	2	2
I9	06 Aug 2024	27	ADG	LAB DUPLICATE	10	4	2
I8	06 Aug 2024	37	ADG	LAB DUPLICATE	2	2	2
I12	07 Aug 2024	18	KT	LAB DUPLICATE	2	2	2
I19	05 Aug 2024	6	ADG	LAB DUPLICATE	40	2	2
I19	12 Aug 2024	6	JF	LAB DUPLICATE	400	36	2
I19	20 Aug 2024	6	JF	LAB DUPLICATE	2	2	2
I19	27 Aug 2024	6	KA	LAB DUPLICATE	800	30	66
I13	07 Aug 2024	18	KT	LAB DUPLICATE	2	2	2
I16	07 Aug 2024	18	KA	LAB DUPLICATE	2	2	2
I40	05 Aug 2024	6	ADG	LAB DUPLICATE	16000	1800	540
I40	12 Aug 2024	6	JF	LAB DUPLICATE	200	38	2
I40	20 Aug 2024	6	JF	LAB DUPLICATE	2400	800	260
I40	27 Aug 2024	6	KA	LAB DUPLICATE	440	28	52
S12	06 Aug 2024		KA	FIELD DUPLICATE	100	16	24
S12	06 Aug 2024		KA	LAB DUPLICATE	40	12	4
S12	13 Aug 2024		KT	FIELD DUPLICATE	800	20	40
S12	13 Aug 2024		KT	LAB DUPLICATE	1000	24	74
S12	20 Aug 2024		ADG	FIELD DUPLICATE	200	2	2
S12	20 Aug 2024		ADG	LAB DUPLICATE	200	2	2
S12	27 Aug 2024		KT	FIELD DUPLICATE	20	4	2
S12	27 Aug 2024		KT	LAB DUPLICATE	20	2	2
I30	08 Aug 2024	27	JF	LAB DUPLICATE	20	14	2
I36	08 Aug 2024	11	JF	FIELD DUPLICATE	200	2	2
I36	08 Aug 2024	11	JF	LAB DUPLICATE	200	2	2

ns = not sampled

ND = no data

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