

SOUTH BAY OCEAN OUTFALL MONTHLY RECEIVING WATERS MONITORING REPORT

SOUTH BAY WATER RECLAMATION PLANT

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

NOVEMBER 2025

Environmental Monitoring and Technical Services
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December 31, 2025

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 November 2025 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 chromomorphogenic 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

Total coliform:

- (1) The median total coliform density shall not exceed 70 CFU/100 mL

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.

- (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 2025 Quality Assurance Report, which will be completed in March 2026.

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 November, 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 S4, S5, S6, S10, S11, and S12.
 - The single sample maximum (SSM) standard for fecal coliforms was exceeded at stations S4, S5, S6, S8, S9, S10, S11, and S12.
 - The 6-week running geometric mean standard for *Enterococcus* was exceeded at stations S4, S5, S6, S10, and S11.
 - The statistical threshold value (STV) standard for *Enterococcus* was exceeded at stations S4, S5, S6, S10, and S11.
 - The 30-day running median standard for total coliforms was exceeded at stations S4, S5, S6, S9, S10, S11, and S12.

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

- The STV standard for total coliforms was exceeded at stations S4, S5, S6, S9, S10, S11, and S12.
- A sewage-like odor was detected at stations S4, S5, S6, S8, S9, S10, S11, and S12 on one or more days in November.
- 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 November 3, 10, 17, and 25.
- During November, each of the seven kelp bed stations was 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, I26, I32, I39, and I40.
 - The STV standard for *Enterococcus* was exceeded at stations I19, I24, I25, I26, I32, and I40.
 - The 30-day running median standard for total coliforms was exceeded at stations I19, I24, I26, I32, and I40.
 - The STV standard for total coliforms was exceeded at stations I19, I24, I25, I26, I32, I39, and I40.
- Water column temperatures ranged from 14.50 to 18.16°C. The difference between surface and bottom waters ranged from 0.03 to 2.91°C.
- Concentrations of chlorophyll *a* ranged from 0.58 to 7.48 µg/L at the kelp bed stations.
- A sewage-like odor was detected at station I19 on one or more days in November.

➤ **Offshore Water Quality Sampling**

- Quarterly offshore water quality sampling was conducted over three days during the month (i.e., November 4, 5, 6).
- During November, one of the ten offshore stations located within State jurisdictional waters (i.e., I12, I14, I16, I18, I22, I23, I33, I36–I38) was out of compliance with the various 2019 Ocean Plan water contact standards one or more days as follows:
 - The STV standard for total coliforms was exceeded at station I12.
- Water column temperatures ranged from 12.45 to 19.08°C at the offshore sites. The difference between surface and bottom waters ranged from 1.46 to 6.21°C.
- Chlorophyll *a* concentrations ranged from 0.27 to 6.44 µg/L at the offshore sites.
- Nothing of sewage origin was observed at SBOO offshore stations in November.
- CDOM data are available upon request.



TABLES AND FIGURES

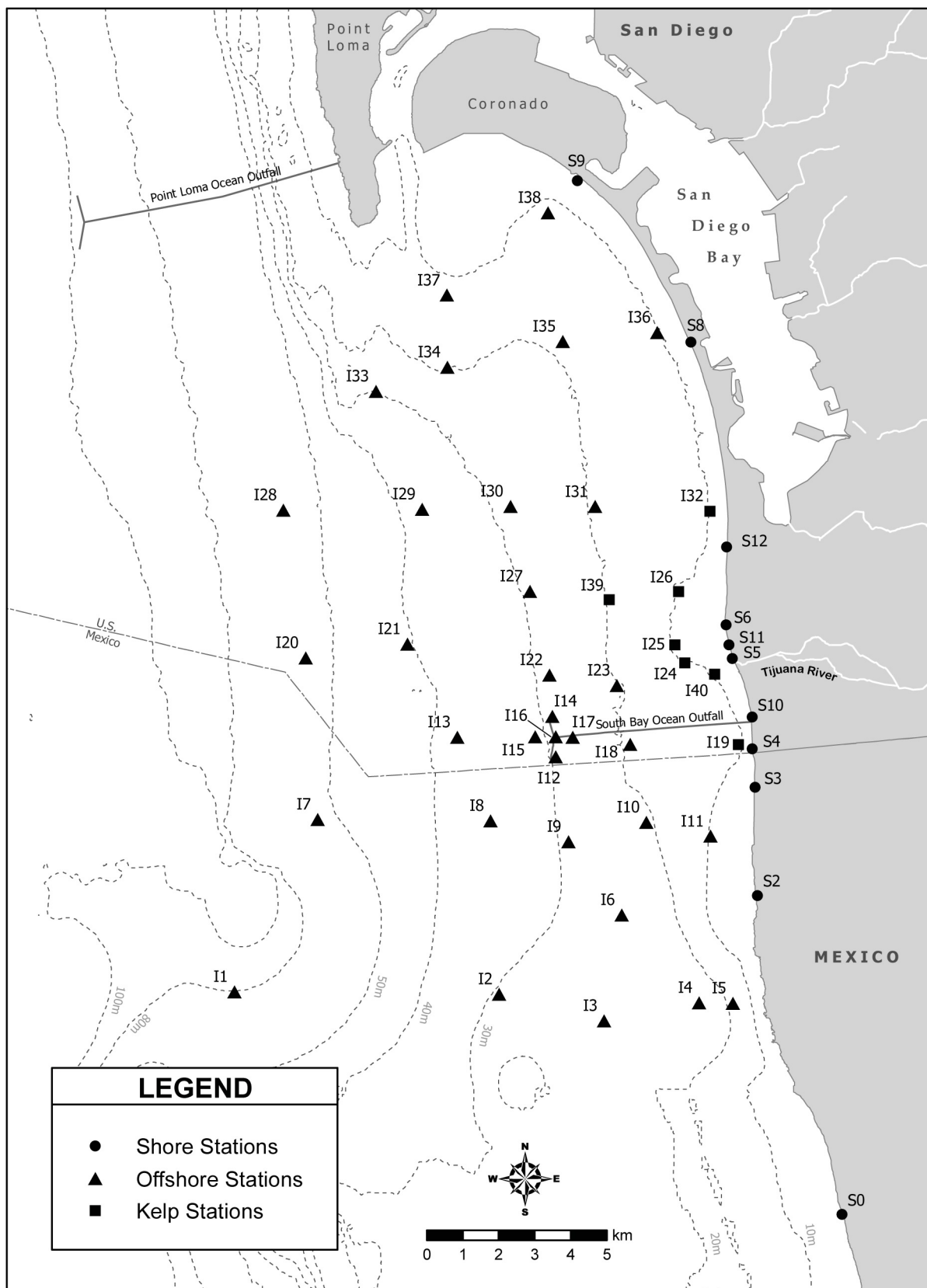


Figure 1.1 Station Map

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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 Nov 2025	13	131	134	3	3	13	103	32
02 Nov 2025	13	131	134	3	3	13	103	32
03 Nov 2025	13	131	134	3	3	13	103	32
04 Nov 2025	13	65	66	3	3	12	53	20
05 Nov 2025	13	65	66	3	3	12	53	20
06 Nov 2025	11	95	97	3	4	10	78	14
07 Nov 2025	11	95	97	3	4	10	78	14
08 Nov 2025	11	95	97	3	4	10	78	14
09 Nov 2025	11	95	97	3	4	10	78	14
10 Nov 2025	11	95	97	3	4	10	78	14
11 Nov 2025	11	95	97	3	4	10	78	14
12 Nov 2025	21	212	216	3	3	14	181	33
13 Nov 2025	21	334	356	2	4	10	281	49
14 Nov 2025	21	334	356	2	4	10	281	49
15 Nov 2025	21	334	356	2	4	10	281	49
16 Nov 2025	21	334	356	2	4	10	281	49
17 Nov 2025	27	362	211	11	17	13	286	180
18 Nov 2025	65	649	245	13	20	40	423	205
19 Nov 2025	65	649	245	13	20	40	423	205
20 Nov 2025	113	529	132	20	20	73	349	122
21 Nov 2025	113	529	132	20	20	73	349	122
22 Nov 2025	113	529	132	20	20	73	349	122
23 Nov 2025	113	529	132	20	20	73	349	122
24 Nov 2025	113	529	132	20	20	73	349	122
25 Nov 2025	147	810	104	13	14	146	262	94
26 Nov 2025	147	810	104	13	14	146	262	94
27 Nov 2025	243	1880	200	20	20	345	557	203
28 Nov 2025	243	1880	200	20	20	345	557	203
29 Nov 2025	243	1880	200	20	20	345	557	203
30 Nov 2025	243	1880	200	20	20	345	557	203

* 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
04 Nov 2025	IC	IC	IC	IC	IC	IC	IC	IC
12 Nov 2025	E	E	E	IC	IC	IC	E	E
17 Nov 2025	IC	E	E	E	E	IC	E	E
18 Nov 2025	E	E	E	IC	IC	E	E	IC
25 Nov 2025	E	E	IC	IC	IC	E	IC	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 Nov 2025	19	29	17	6	2	20	26	18
02 Nov 2025	19	29	17	6	2	20	26	18
03 Nov 2025	19	29	17	6	2	20	26	18
04 Nov 2025	27	26	23	8	4	18	13	20
05 Nov 2025	27	26	23	8	4	18	13	20
06 Nov 2025	27	26	23	8	4	18	13	20
07 Nov 2025	27	26	23	8	4	18	13	20
08 Nov 2025	27	26	23	8	4	18	13	20
09 Nov 2025	27	26	23	8	4	18	13	20
10 Nov 2025	27	26	23	8	4	18	13	20
11 Nov 2025	27	19	22	7	4	20	10	17
12 Nov 2025	37	55	34	6	4	23	24	21
13 Nov 2025	37	55	34	6	4	23	24	21
14 Nov 2025	37	55	34	6	4	23	24	21
15 Nov 2025	37	55	34	6	4	23	24	21
16 Nov 2025	37	55	34	6	4	23	24	21
17 Nov 2025	37	55	34	6	4	23	24	21
18 Nov 2025	61	156	39	8	6	54	51	22
19 Nov 2025	61	156	39	8	6	54	51	22
20 Nov 2025	61	156	39	8	6	54	51	22
21 Nov 2025	61	156	39	8	6	54	51	22
22 Nov 2025	61	156	39	8	6	54	51	22
23 Nov 2025	61	156	39	8	6	54	51	22
24 Nov 2025	61	156	39	8	6	54	51	22
25 Nov 2025	52	300	32	7	6	53	40	18
26 Nov 2025	52	300	32	7	6	53	40	18
27 Nov 2025	52	300	32	7	6	53	40	18
28 Nov 2025	52	300	32	7	6	53	40	18
29 Nov 2025	52	300	32	7	6	53	40	18
30 Nov 2025	52	300	32	7	6	53	40	18

* 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
November	E	E	E	IC	IC	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 Nov 2025	*130	*310	*210	*20	*70	*130	*220	*180
02 Nov 2025	*130	*310	*210	*20	*70	*130	*220	*180
03 Nov 2025	*130	*310	*210	*20	*70	*130	*220	*180
04 Nov 2025	60	20	200	20	120	60	200	160
05 Nov 2025	60	20	200	20	120	60	200	160
06 Nov 2025	*60	*310	*130	*20	*70	*40	*170	*100
07 Nov 2025	*60	*310	*130	*20	*70	*40	*170	*100
08 Nov 2025	*60	*310	*130	*20	*70	*40	*170	*100
09 Nov 2025	*60	*310	*130	*20	*70	*40	*170	*100
10 Nov 2025	*60	*310	*130	*20	*70	*40	*170	*100
11 Nov 2025	*60	*310	*130	*20	*70	*40	*170	*100
12 Nov 2025	60	600	220	20	20	60	240	160
13 Nov 2025	*60	*6010	*8020	*20	*70	*40	*4450	*3420
14 Nov 2025	*60	*6010	*8020	*20	*70	*40	*4450	*3420
15 Nov 2025	*60	*6010	*8020	*20	*70	*40	*4450	*3420
16 Nov 2025	*60	*6010	*8020	*20	*70	*40	*4450	*3420
17 Nov 2025	*60	*6010	*8020	*20	*70	*40	*4450	*3420
18 Nov 2025	60	12000	3600	20	120	60	8800	3000
19 Nov 2025	60	12000	3600	20	120	60	8800	3000
20 Nov 2025	*1630	*8010	*1820	*20	*110	*680	*5050	*1520
21 Nov 2025	*1630	*8010	*1820	*20	*110	*680	*5050	*1520
22 Nov 2025	*1630	*8010	*1820	*20	*110	*680	*5050	*1520
23 Nov 2025	*1630	*8010	*1820	*20	*110	*680	*5050	*1520
24 Nov 2025	*1630	*8010	*1820	*20	*110	*680	*5050	*1520
25 Nov 2025	2200	16000	220	20	20	1300	340	420
26 Nov 2025	2200	16000	220	20	20	1300	340	420
27 Nov 2025	*2700	*16000	*1910	*20	*110	*8650	*5170	*1710
28 Nov 2025	*2700	*16000	*1910	*20	*110	*8650	*5170	*1710
29 Nov 2025	*2700	*16000	*1910	*20	*110	*8650	*5170	*1710
30 Nov 2025	*2700	*16000	*1910	*20	*110	*8650	*5170	*1710

* 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
November	E	E	E	IC	E	E	E	E

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 2.7

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

Station	Date	Time	Total	Fecal	Entero
S0	04 Nov 2025	1020	3400e	200e	280e
S0	12 Nov 2025	955	82	18e	32e
S0	18 Nov 2025	910	>16000	>12000	>12000
S0	25 Nov 2025	915	>16000	2600e	520
S10	04 Nov 2025	1035	20e	8e	50
S10	12 Nov 2025	1115	1300	110	44
S10	17 Nov 2025	1120		100e	
S10	18 Nov 2025	1235	>16000	>12000	>12000
S10	25 Nov 2025	1102	>16000	4600	50
S11	04 Nov 2025	901	100e	2e	4e
S11	12 Nov 2025	940	>16000	>12000	1800e
S11	17 Nov 2025	1007		>12000	
S11	18 Nov 2025	1146	10000	3000e	660
S11	25 Nov 2025	956	340e	62	2e
S12	04 Nov 2025	818	40e	<2	4e
S12	12 Nov 2025	833	6800	2200e	60e
S12	17 Nov 2025	902		7600	
S12	18 Nov 2025	1105	3000e	400	64
S12	25 Nov 2025	852	420	26e	<2
S2	04 Nov 2025	1055	60e	8e	8e
S2	12 Nov 2025	1055	5800	800e	740
S2	18 Nov 2025	1015	3600e	460	720
S2	25 Nov 2025	1025	620	180e	24e
S3	04 Nov 2025	1125	140e	22e	30e
S3	12 Nov 2025	1025	11000	1200e	960
S3	18 Nov 2025	945	1200e	240e	400
S3	25 Nov 2025	950	6400	600	36e
S4	04 Nov 2025	1052	60e	12e	70
S4	12 Nov 2025	1135	3200e	500	180e
S4	17 Nov 2025	1137		54	
S4	18 Nov 2025	1252	>16000	4800	980
S4	25 Nov 2025	1121	2200e	540	28e
S5	04 Nov 2025	923	<20	<2	2e
S5	12 Nov 2025	1001	>16000	>12000	>12000
S5	17 Nov 2025	948		>12000	
S5	18 Nov 2025	1132	>16000	>12000	>12000
S5	25 Nov 2025	932	>16000	6800	500
S6	04 Nov 2025	846	40e	2e	12e
S6	12 Nov 2025	924	>16000	>12000	280e
S6	17 Nov 2025	1019		800e	
S6	18 Nov 2025	1157	3600e	520	60e
S6	25 Nov 2025	1008	220e	32e	6e
S8	04 Nov 2025	755	<20	<2	8e
S8	12 Nov 2025	810	<20	<2	2e
S8	17 Nov 2025	838		8200	
S8	18 Nov 2025	1331	200e	44	46

Station	Date	Time	Total	Fecal	Enteroc
S8	25 Nov 2025	829	16e	2e	<2
S9	04 Nov 2025	737	200e	4e	100e
S9	12 Nov 2025	751	<20	2e	<2
S9	17 Nov 2025	819		5000	
S9	18 Nov 2025	1046	540	40e	32e
S9	25 Nov 2025	808	<20	2e	2e

ns = not sampled

ND = no data

Comments

date	station	depth	parmcode	comments
18-Nov-2025				mFC negative control had growth. Buffer lot re-tested; results passing. QC result likely analyst accident; sample results likely unaffected

Table 2.8

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

Station	Date	Parameter	Value
S0	04 Nov 2025	Arrive Time	1020
S0	04 Nov 2025	Wind Speed (kts)	1
S0	04 Nov 2025	Wind Dir	NW
S0	04 Nov 2025	Animal Life	Seagull-15;
S0	04 Nov 2025	Floatables	
S0	04 Nov 2025	Current Direction	S
S0	04 Nov 2025	Water Temp (C)	15
S0	04 Nov 2025	High Tide Time	718
S0	04 Nov 2025	Low Tide Time	109
S0	04 Nov 2025	Comments	Water clear; Trash-2; No water flowing from storm drain noted.
S0	12 Nov 2025	Arrive Time	955
S0	12 Nov 2025	Wind Speed (kts)	1
S0	12 Nov 2025	Wind Dir	NE
S0	12 Nov 2025	Animal Life	Dog-2; sea birds-10;
S0	12 Nov 2025	Floatables	
S0	12 Nov 2025	Current Direction	N
S0	12 Nov 2025	Water Temp (C)	16
S0	12 Nov 2025	High Tide Time	420
S0	12 Nov 2025	Low Tide Time	938
S0	12 Nov 2025	Comments	Water clear; Trash-0; Kelp;Algae; Person/Walker/Jogger-5; 0.5 L/s water flowing from storm drain
S0	18 Nov 2025	Arrive Time	910
S0	18 Nov 2025	Wind Speed (kts)	101
S0	18 Nov 2025	Wind Dir	NE
S0	18 Nov 2025	Animal Life	Bird-10;
S0	18 Nov 2025	Floatables	
S0	18 Nov 2025	Current Direction	NE
S0	18 Nov 2025	Water Temp (C)	15
S0	18 Nov 2025	High Tide Time	711
S0	18 Nov 2025	Low Tide Time	58
S0	18 Nov 2025	Comments	Water turbid; Trash-0; Kelp;Algae; 0.5 L/s water flowing from storm drain
S0	25 Nov 2025	Arrive Time	915
S0	25 Nov 2025	Wind Speed (kts)	1.1
S0	25 Nov 2025	Wind Dir	NE
S0	25 Nov 2025	Animal Life	Seal/Sea Lion-10;
S0	25 Nov 2025	Floatables	
S0	25 Nov 2025	Current Direction	NE
S0	25 Nov 2025	Water Temp (C)	13
S0	25 Nov 2025	High Tide Time	115
S0	25 Nov 2025	Low Tide Time	403
S0	25 Nov 2025	Comments	Water clear; Trash-0; Kelp;Algae;Seagrass; Person/Walker/Jogger-3; 0.5 L/s water flowing from storm drain
S2	04 Nov 2025	Arrive Time	1055
S2	04 Nov 2025	Wind Speed (kts)	1.8
S2	04 Nov 2025	Wind Dir	SE
S2	04 Nov 2025	Animal Life	Seagull-15;
S2	04 Nov 2025	Floatables	
S2	04 Nov 2025	Current Direction	N
S2	04 Nov 2025	Water Temp (C)	16
S2	04 Nov 2025	High Tide Time	718

Station	Date	Parameter	Value
S2	04 Nov 2025	Low Tide Time	109
S2	04 Nov 2025	Comments	Water clear; Trash-2; No water flowing from storm drain noted.
S2	12 Nov 2025	Arrive Time	1055
S2	12 Nov 2025	Wind Speed (kts)	1.4
S2	12 Nov 2025	Wind Dir	NE
S2	12 Nov 2025	Animal Life	Dog-2; sea birds-10;
S2	12 Nov 2025	Floatables	
S2	12 Nov 2025	Current Direction	N
S2	12 Nov 2025	Water Temp (C)	16
S2	12 Nov 2025	High Tide Time	420
S2	12 Nov 2025	Low Tide Time	938
S2	12 Nov 2025	Comments	Water clear; Trash-0; Kelp;Algae; Person/Walker/Jogger-10; No flow from storm drain
S2	18 Nov 2025	Arrive Time	1015
S2	18 Nov 2025	Wind Speed (kts)	103
S2	18 Nov 2025	Wind Dir	NE
S2	18 Nov 2025	Animal Life	Bird-10; Dog-2;
S2	18 Nov 2025	Floatables	
S2	18 Nov 2025	Current Direction	N
S2	18 Nov 2025	Water Temp (C)	15
S2	18 Nov 2025	High Tide Time	711
S2	18 Nov 2025	Low Tide Time	58
S2	18 Nov 2025	Comments	Water clear; Trash-0; Kelp;Algae; Person/Walker/Jogger-5; No flow from storm drain
S2	25 Nov 2025	Arrive Time	1025
S2	25 Nov 2025	Wind Speed (kts)	1.4
S2	25 Nov 2025	Wind Dir	NE
S2	25 Nov 2025	Animal Life	Dog-2; Seal/Sea Lion-10;
S2	25 Nov 2025	Floatables	
S2	25 Nov 2025	Current Direction	N
S2	25 Nov 2025	Water Temp (C)	13
S2	25 Nov 2025	High Tide Time	115
S2	25 Nov 2025	Low Tide Time	403
S2	25 Nov 2025	Comments	Water clear; Trash-0; Kelp;Algae; Person/Walker/Jogger-10; No flow from storm drain
S3	04 Nov 2025	Arrive Time	1125
S3	04 Nov 2025	Wind Speed (kts)	1
S3	04 Nov 2025	Wind Dir	SE
S3	04 Nov 2025	Animal Life	Seagull-15;
S3	04 Nov 2025	Floatables	
S3	04 Nov 2025	Current Direction	N
S3	04 Nov 2025	Water Temp (C)	16
S3	04 Nov 2025	High Tide Time	718
S3	04 Nov 2025	Low Tide Time	109
S3	04 Nov 2025	Comments	Water clear; Trash-2; Mo water flowing from storm drain noted.
S3	12 Nov 2025	Arrive Time	1025
S3	12 Nov 2025	Wind Speed (kts)	1.1
S3	12 Nov 2025	Wind Dir	NE
S3	12 Nov 2025	Animal Life	Dog-3; sea bird-10;
S3	12 Nov 2025	Floatables	
S3	12 Nov 2025	Current Direction	N
S3	12 Nov 2025	Water Temp (C)	16
S3	12 Nov 2025	High Tide Time	420
S3	12 Nov 2025	Low Tide Time	938

Station	Date	Parameter	Value
S3	12 Nov 2025	Comments	Water clear; Trash-0; Kelp; Person/Walker/Jogger-10; No flow from storm drain
S3	18 Nov 2025	Arrive Time	945
S3	18 Nov 2025	Wind Speed (kts)	100
S3	18 Nov 2025	Wind Dir	NE
S3	18 Nov 2025	Animal Life	Bird-10; Dog-1;
S3	18 Nov 2025	Floatables	
S3	18 Nov 2025	Current Direction	NE
S3	18 Nov 2025	Water Temp (C)	15
S3	18 Nov 2025	High Tide Time	711
S3	18 Nov 2025	Low Tide Time	58
S3	18 Nov 2025	Comments	Water clear; Trash-0; Algae;Kelp; Person/Walker/Jogger-3; No flow from storm drain
S3	25 Nov 2025	Arrive Time	950
S3	25 Nov 2025	Wind Speed (kts)	1.3
S3	25 Nov 2025	Wind Dir	NE
S3	25 Nov 2025	Animal Life	Dog-4; Seal/Sea Lion-10;
S3	25 Nov 2025	Floatables	
S3	25 Nov 2025	Current Direction	N
S3	25 Nov 2025	Water Temp (C)	13
S3	25 Nov 2025	High Tide Time	115
S3	25 Nov 2025	Low Tide Time	403
S3	25 Nov 2025	Comments	Water clear; Trash-0; Algae;Kelp; Person/Walker/Jogger-10; No flow from storm drain
S4	04 Nov 2025	Arrive Time	1052
S4	04 Nov 2025	Wind Speed (kts)	3
S4	04 Nov 2025	Wind Dir	NW
S4	04 Nov 2025	Animal Life	
S4	04 Nov 2025	Floatables	
S4	04 Nov 2025	Current Direction	S
S4	04 Nov 2025	Water Temp (C)	19.1
S4	04 Nov 2025	High Tide Time	718
S4	04 Nov 2025	Low Tide Time	109
S4	04 Nov 2025	Comments	Water clear; Trash-5; Kelp;Seagrass
S4	12 Nov 2025	Arrive Time	1135
S4	12 Nov 2025	Wind Speed (kts)	1.7
S4	12 Nov 2025	Wind Dir	W
S4	12 Nov 2025	Animal Life	
S4	12 Nov 2025	Floatables	
S4	12 Nov 2025	Current Direction	S
S4	12 Nov 2025	Water Temp (C)	15.8
S4	12 Nov 2025	High Tide Time	420
S4	12 Nov 2025	Low Tide Time	938
S4	12 Nov 2025	Comments	Water clear; Trash-4; Kelp;Seagrass
S4	17 Nov 2025	Arrive Time	1137
S4	17 Nov 2025	Wind Speed (kts)	6
S4	17 Nov 2025	Wind Dir	SW
S4	17 Nov 2025	Animal Life	
S4	17 Nov 2025	Floatables	
S4	17 Nov 2025	Current Direction	S
S4	17 Nov 2025	Water Temp (C)	17.6
S4	17 Nov 2025	High Tide Time	648
S4	17 Nov 2025	Low Tide Time	33
S4	17 Nov 2025	Comments	Water clear; Trash-5; Kelp;Seagrass;Algae;Debris; Sewage-like odor

Station	Date	Parameter	Value
S4	18 Nov 2025	Arrive Time	1252
S4	18 Nov 2025	Wind Speed (kts)	8.7
S4	18 Nov 2025	Wind Dir	S
S4	18 Nov 2025	Animal Life	
S4	18 Nov 2025	Floatables	
S4	18 Nov 2025	Current Direction	S
S4	18 Nov 2025	Water Temp (C)	16.4
S4	18 Nov 2025	High Tide Time	711
S4	18 Nov 2025	Low Tide Time	58
S4	18 Nov 2025	Comments	Water clear; Trash-5; Kelp;Seagrass;Debris; Sewage-like odor
S4	25 Nov 2025	Arrive Time	1121
S4	25 Nov 2025	Wind Speed (kts)	4.6
S4	25 Nov 2025	Wind Dir	W
S4	25 Nov 2025	Animal Life	
S4	25 Nov 2025	Floatables	
S4	25 Nov 2025	Current Direction	S
S4	25 Nov 2025	Water Temp (C)	16.4
S4	25 Nov 2025	High Tide Time	115
S4	25 Nov 2025	Low Tide Time	403
S4	25 Nov 2025	Comments	Water clear; Trash-4; Kelp;Seagrass;Debris; Sewage-like odor
S10	04 Nov 2025	Arrive Time	1035
S10	04 Nov 2025	Wind Speed (kts)	2.6
S10	04 Nov 2025	Wind Dir	W
S10	04 Nov 2025	Animal Life	
S10	04 Nov 2025	Floatables	
S10	04 Nov 2025	Current Direction	S
S10	04 Nov 2025	Water Temp (C)	16.7
S10	04 Nov 2025	High Tide Time	718
S10	04 Nov 2025	Low Tide Time	109
S10	04 Nov 2025	Comments	Water clear; Trash-5; Kelp;Seagrass
S10	12 Nov 2025	Arrive Time	1115
S10	12 Nov 2025	Wind Speed (kts)	2
S10	12 Nov 2025	Wind Dir	NW
S10	12 Nov 2025	Animal Life	
S10	12 Nov 2025	Floatables	
S10	12 Nov 2025	Current Direction	S
S10	12 Nov 2025	Water Temp (C)	16.8
S10	12 Nov 2025	High Tide Time	420
S10	12 Nov 2025	Low Tide Time	938
S10	12 Nov 2025	Comments	Water clear; Trash-4; Kelp;Seagrass
S10	17 Nov 2025	Arrive Time	1120
S10	17 Nov 2025	Wind Speed (kts)	4.6
S10	17 Nov 2025	Wind Dir	S
S10	17 Nov 2025	Animal Life	
S10	17 Nov 2025	Floatables	
S10	17 Nov 2025	Current Direction	S
S10	17 Nov 2025	Water Temp (C)	17.3
S10	17 Nov 2025	High Tide Time	648
S10	17 Nov 2025	Low Tide Time	33
S10	17 Nov 2025	Comments	Water clear; Trash-5; Kelp;Seagrass;Algae; Sewage-like odor
S10	18 Nov 2025	Arrive Time	1235
S10	18 Nov 2025	Wind Speed (kts)	9.3
S10	18 Nov 2025	Wind Dir	SW
S10	18 Nov 2025	Animal Life	

Station	Date	Parameter	Value
S10	18 Nov 2025	Floatables	
S10	18 Nov 2025	Current Direction	S
S10	18 Nov 2025	Water Temp (C)	16.3
S10	18 Nov 2025	High Tide Time	711
S10	18 Nov 2025	Low Tide Time	58
S10	18 Nov 2025	Comments	Water clear; Trash-4; Kelp;Seagrass;Algae;Debris; Sewage-like odor
S10	25 Nov 2025	Arrive Time	1102
S10	25 Nov 2025	Wind Speed (kts)	7.3
S10	25 Nov 2025	Wind Dir	W
S10	25 Nov 2025	Animal Life	
S10	25 Nov 2025	Floatables	
S10	25 Nov 2025	Current Direction	S
S10	25 Nov 2025	Water Temp (C)	17
S10	25 Nov 2025	High Tide Time	115
S10	25 Nov 2025	Low Tide Time	403
S10	25 Nov 2025	Comments	Water clear; Trash-4; Kelp;Seagrass;Debris; Sewage-like odor
S5	04 Nov 2025	Arrive Time	923
S5	04 Nov 2025	Wind Speed (kts)	3.6
S5	04 Nov 2025	Wind Dir	NW
S5	04 Nov 2025	Animal Life	
S5	04 Nov 2025	Floatables	
S5	04 Nov 2025	Current Direction	S
S5	04 Nov 2025	Water Temp (C)	13.8
S5	04 Nov 2025	High Tide Time	718
S5	04 Nov 2025	Low Tide Time	109
S5	04 Nov 2025	Comments	Water clear; Trash-3; Kelp;Seagrass
S5	12 Nov 2025	Arrive Time	1001
S5	12 Nov 2025	Wind Speed (kts)	4.8
S5	12 Nov 2025	Wind Dir	NW
S5	12 Nov 2025	Animal Life	
S5	12 Nov 2025	Floatables	Foam
S5	12 Nov 2025	Current Direction	S
S5	12 Nov 2025	Water Temp (C)	17.1
S5	12 Nov 2025	High Tide Time	420
S5	12 Nov 2025	Low Tide Time	938
S5	12 Nov 2025	Comments	Water clear; Trash-3; Kelp;Seagrass;Algae
S5	17 Nov 2025	Arrive Time	948
S5	17 Nov 2025	Wind Speed (kts)	2.3
S5	17 Nov 2025	Wind Dir	SW
S5	17 Nov 2025	Animal Life	Bird-4;
S5	17 Nov 2025	Floatables	
S5	17 Nov 2025	Current Direction	N
S5	17 Nov 2025	Water Temp (C)	16.1
S5	17 Nov 2025	High Tide Time	648
S5	17 Nov 2025	Low Tide Time	33
S5	17 Nov 2025	Comments	Water clear; Trash-4; Kelp;Seagrass;Algae;Debris; Sewage-like odor
S5	18 Nov 2025	Arrive Time	1132
S5	18 Nov 2025	Wind Speed (kts)	3.8
S5	18 Nov 2025	Wind Dir	SW
S5	18 Nov 2025	Animal Life	
S5	18 Nov 2025	Floatables	
S5	18 Nov 2025	Current Direction	S
S5	18 Nov 2025	Water Temp (C)	15

Station	Date	Parameter	Value
S5	18 Nov 2025	High Tide Time	711
S5	18 Nov 2025	Low Tide Time	58
S5	18 Nov 2025	Comments	Water turbid; Trash-4; Sewage-like odor
S5	25 Nov 2025	Arrive Time	932
S5	25 Nov 2025	Wind Speed (kts)	4.4
S5	25 Nov 2025	Wind Dir	NW
S5	25 Nov 2025	Animal Life	
S5	25 Nov 2025	Floatables	
S5	25 Nov 2025	Current Direction	N
S5	25 Nov 2025	Water Temp (C)	15.4
S5	25 Nov 2025	High Tide Time	115
S5	25 Nov 2025	Low Tide Time	403
S5	25 Nov 2025	Comments	Water clear; Trash-4; Kelp;Seagrass;Algae;Debris; Sewage-like odor
S11	04 Nov 2025	Arrive Time	901
S11	04 Nov 2025	Wind Speed (kts)	3.5
S11	04 Nov 2025	Wind Dir	NW
S11	04 Nov 2025	Animal Life	Dog-2;
S11	04 Nov 2025	Floatables	
S11	04 Nov 2025	Current Direction	SE
S11	04 Nov 2025	Water Temp (C)	14.6
S11	04 Nov 2025	High Tide Time	718
S11	04 Nov 2025	Low Tide Time	109
S11	04 Nov 2025	Comments	Water clear; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-1
S11	12 Nov 2025	Arrive Time	940
S11	12 Nov 2025	Wind Speed (kts)	2.9
S11	12 Nov 2025	Wind Dir	NW
S11	12 Nov 2025	Animal Life	
S11	12 Nov 2025	Floatables	
S11	12 Nov 2025	Current Direction	S
S11	12 Nov 2025	Water Temp (C)	15.8
S11	12 Nov 2025	High Tide Time	420
S11	12 Nov 2025	Low Tide Time	938
S11	12 Nov 2025	Comments	Water clear; Trash-2; Kelp;Seagrass
S11	17 Nov 2025	Arrive Time	1007
S11	17 Nov 2025	Wind Speed (kts)	2.7
S11	17 Nov 2025	Wind Dir	SW
S11	17 Nov 2025	Animal Life	
S11	17 Nov 2025	Floatables	
S11	17 Nov 2025	Current Direction	S
S11	17 Nov 2025	Water Temp (C)	17.2
S11	17 Nov 2025	High Tide Time	648
S11	17 Nov 2025	Low Tide Time	33
S11	17 Nov 2025	Comments	Water clear; Trash-4; Kelp;Seagrass;Debris; Sewage-like odor
S11	18 Nov 2025	Arrive Time	1146
S11	18 Nov 2025	Wind Speed (kts)	2.3
S11	18 Nov 2025	Wind Dir	SW
S11	18 Nov 2025	Animal Life	
S11	18 Nov 2025	Floatables	
S11	18 Nov 2025	Current Direction	S
S11	18 Nov 2025	Water Temp (C)	15.5
S11	18 Nov 2025	High Tide Time	711
S11	18 Nov 2025	Low Tide Time	58

Station	Date	Parameter	Value
S11	18 Nov 2025	Comments	Water turbid; Trash-3; Kelp;Seagrass;Debris; Sewage-like odor
S11	25 Nov 2025	Arrive Time	956
S11	25 Nov 2025	Wind Speed (kts)	3.4
S11	25 Nov 2025	Wind Dir	W
S11	25 Nov 2025	Animal Life	
S11	25 Nov 2025	Floatables	
S11	25 Nov 2025	Current Direction	S
S11	25 Nov 2025	Water Temp (C)	16.5
S11	25 Nov 2025	High Tide Time	115
S11	25 Nov 2025	Low Tide Time	403
S11	25 Nov 2025	Comments	Water clear; Trash-4; Kelp;Seagrass;Algae;Debris; Sewage-like odor
S6	04 Nov 2025	Arrive Time	846
S6	04 Nov 2025	Wind Speed (kts)	2.8
S6	04 Nov 2025	Wind Dir	NW
S6	04 Nov 2025	Animal Life	
S6	04 Nov 2025	Floatables	
S6	04 Nov 2025	Current Direction	S
S6	04 Nov 2025	Water Temp (C)	14.1
S6	04 Nov 2025	High Tide Time	718
S6	04 Nov 2025	Low Tide Time	109
S6	04 Nov 2025	Comments	Water clear; Surfer/Paddle boarder-3; Trash-2; Kelp;Seagrass;Algae; Person/Walker/Jogger-2
S6	12 Nov 2025	Arrive Time	924
S6	12 Nov 2025	Wind Speed (kts)	1.7
S6	12 Nov 2025	Wind Dir	W
S6	12 Nov 2025	Animal Life	
S6	12 Nov 2025	Floatables	
S6	12 Nov 2025	Current Direction	S
S6	12 Nov 2025	Water Temp (C)	15.5
S6	12 Nov 2025	High Tide Time	420
S6	12 Nov 2025	Low Tide Time	938
S6	12 Nov 2025	Comments	Water clear; Surfer/Paddle boarder-7; Trash-2; Kelp;Seagrass;Algae; Person/Walker/Jogger-4
S6	17 Nov 2025	Arrive Time	1019
S6	17 Nov 2025	Wind Speed (kts)	2.7
S6	17 Nov 2025	Wind Dir	SW
S6	17 Nov 2025	Animal Life	
S6	17 Nov 2025	Floatables	
S6	17 Nov 2025	Current Direction	S
S6	17 Nov 2025	Water Temp (C)	16.8
S6	17 Nov 2025	High Tide Time	648
S6	17 Nov 2025	Low Tide Time	33
S6	17 Nov 2025	Comments	Water clear; Trash-4; Seagrass;Algae;Debris; Sewage-like odor
S6	18 Nov 2025	Arrive Time	1157
S6	18 Nov 2025	Wind Speed (kts)	1.2
S6	18 Nov 2025	Wind Dir	SW
S6	18 Nov 2025	Animal Life	
S6	18 Nov 2025	Floatables	
S6	18 Nov 2025	Current Direction	S
S6	18 Nov 2025	Water Temp (C)	16.5
S6	18 Nov 2025	High Tide Time	711
S6	18 Nov 2025	Low Tide Time	58

Station	Date	Parameter	Value
S6	18 Nov 2025	Comments	Water clear; Trash-3; Kelp;Seagrass;Algae;Debris; Sewage-like odor
S6	25 Nov 2025	Arrive Time	1008
S6	25 Nov 2025	Wind Speed (kts)	1.7
S6	25 Nov 2025	Wind Dir	SW
S6	25 Nov 2025	Animal Life	
S6	25 Nov 2025	Floatables	
S6	25 Nov 2025	Current Direction	S
S6	25 Nov 2025	Water Temp (C)	15.5
S6	25 Nov 2025	High Tide Time	115
S6	25 Nov 2025	Low Tide Time	403
S6	25 Nov 2025	Comments	Water clear; Boogie boarder/Swimmer-1; Surfer/Paddle boarder-2; Trash-4; Seagrass;Kelp;Algae;Debris; Person/Walker/Jogger-3
S12	04 Nov 2025	Arrive Time	818
S12	04 Nov 2025	Wind Speed (kts)	2
S12	04 Nov 2025	Wind Dir	N
S12	04 Nov 2025	Animal Life	
S12	04 Nov 2025	Floatables	
S12	04 Nov 2025	Current Direction	S
S12	04 Nov 2025	Water Temp (C)	15.6
S12	04 Nov 2025	High Tide Time	718
S12	04 Nov 2025	Low Tide Time	109
S12	04 Nov 2025	Comments	Water clear; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-2
S12	12 Nov 2025	Arrive Time	833
S12	12 Nov 2025	Wind Speed (kts)	0
S12	12 Nov 2025	Wind Dir	XX
S12	12 Nov 2025	Animal Life	
S12	12 Nov 2025	Floatables	
S12	12 Nov 2025	Current Direction	S
S12	12 Nov 2025	Water Temp (C)	14.1
S12	12 Nov 2025	High Tide Time	420
S12	12 Nov 2025	Low Tide Time	938
S12	12 Nov 2025	Comments	Water clear; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-2
S12	17 Nov 2025	Arrive Time	902
S12	17 Nov 2025	Wind Speed (kts)	1.7
S12	17 Nov 2025	Wind Dir	NE
S12	17 Nov 2025	Animal Life	
S12	17 Nov 2025	Floatables	
S12	17 Nov 2025	Current Direction	S
S12	17 Nov 2025	Water Temp (C)	15.9
S12	17 Nov 2025	High Tide Time	648
S12	17 Nov 2025	Low Tide Time	33
S12	17 Nov 2025	Comments	Water clear; Trash-2; Kelp;Seagrass;Debris; Person/Walker/Jogger-4; Sewage-like odor
S12	18 Nov 2025	Arrive Time	1105
S12	18 Nov 2025	Wind Speed (kts)	0
S12	18 Nov 2025	Wind Dir	XX
S12	18 Nov 2025	Animal Life	
S12	18 Nov 2025	Floatables	
S12	18 Nov 2025	Current Direction	S
S12	18 Nov 2025	Water Temp (C)	16.3
S12	18 Nov 2025	High Tide Time	711
S12	18 Nov 2025	Low Tide Time	58

Station	Date	Parameter	Value
S12	18 Nov 2025	Comments	Water clear; Trash-3; Kelp;Seagrass;Debris
S12	25 Nov 2025	Arrive Time	852
S12	25 Nov 2025	Wind Speed (kts)	4.2
S12	25 Nov 2025	Wind Dir	NW
S12	25 Nov 2025	Animal Life	
S12	25 Nov 2025	Floatables	
S12	25 Nov 2025	Current Direction	S
S12	25 Nov 2025	Water Temp (C)	16.1
S12	25 Nov 2025	High Tide Time	115
S12	25 Nov 2025	Low Tide Time	403
S12	25 Nov 2025	Comments	Water clear; Trash-2; Kelp;Seagrass;Algae;Debris
S8	04 Nov 2025	Arrive Time	755
S8	04 Nov 2025	Wind Speed (kts)	0
S8	04 Nov 2025	Wind Dir	XX
S8	04 Nov 2025	Animal Life	
S8	04 Nov 2025	Floatables	Foam
S8	04 Nov 2025	Current Direction	S
S8	04 Nov 2025	Water Temp (C)	14.3
S8	04 Nov 2025	High Tide Time	718
S8	04 Nov 2025	Low Tide Time	109
S8	04 Nov 2025	Comments	Water clear; Trash-2; Kelp;Seagrass
S8	12 Nov 2025	Arrive Time	810
S8	12 Nov 2025	Wind Speed (kts)	1.1
S8	12 Nov 2025	Wind Dir	E
S8	12 Nov 2025	Animal Life	
S8	12 Nov 2025	Floatables	
S8	12 Nov 2025	Current Direction	S
S8	12 Nov 2025	Water Temp (C)	14.5
S8	12 Nov 2025	High Tide Time	420
S8	12 Nov 2025	Low Tide Time	938
S8	12 Nov 2025	Comments	Water clear; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-6
S8	17 Nov 2025	Arrive Time	838
S8	17 Nov 2025	Wind Speed (kts)	0.5
S8	17 Nov 2025	Wind Dir	NE
S8	17 Nov 2025	Animal Life	
S8	17 Nov 2025	Floatables	
S8	17 Nov 2025	Current Direction	S
S8	17 Nov 2025	Water Temp (C)	15.3
S8	17 Nov 2025	High Tide Time	648
S8	17 Nov 2025	Low Tide Time	33
S8	17 Nov 2025	Comments	Water clear; Trash-3; Kelp;Seagrass;Debris; Sewage-like odor
S8	18 Nov 2025	Arrive Time	1331
S8	18 Nov 2025	Wind Speed (kts)	5.2
S8	18 Nov 2025	Wind Dir	SW
S8	18 Nov 2025	Animal Life	
S8	18 Nov 2025	Floatables	
S8	18 Nov 2025	Current Direction	S
S8	18 Nov 2025	Water Temp (C)	16
S8	18 Nov 2025	High Tide Time	711
S8	18 Nov 2025	Low Tide Time	58
S8	18 Nov 2025	Comments	Water clear; Trash-3; Kelp;Seagrass;Debris
S8	25 Nov 2025	Arrive Time	829
S8	25 Nov 2025	Wind Speed (kts)	2.3

Station	Date	Parameter	Value
S8	25 Nov 2025	Wind Dir	W
S8	25 Nov 2025	Animal Life	
S8	25 Nov 2025	Floatables	
S8	25 Nov 2025	Current Direction	S
S8	25 Nov 2025	Water Temp (C)	14.4
S8	25 Nov 2025	High Tide Time	115
S8	25 Nov 2025	Low Tide Time	403
S8	25 Nov 2025	Comments	Water clear; Fisherperson-1; Trash-2; Kelp;Seagrass;Algae;Debris
S9	04 Nov 2025	Arrive Time	737
S9	04 Nov 2025	Wind Speed (kts)	0
S9	04 Nov 2025	Wind Dir	XX
S9	04 Nov 2025	Animal Life	
S9	04 Nov 2025	Floatables	Foam
S9	04 Nov 2025	Current Direction	S
S9	04 Nov 2025	Water Temp (C)	16.3
S9	04 Nov 2025	High Tide Time	718
S9	04 Nov 2025	Low Tide Time	109
S9	04 Nov 2025	Comments	Water turbid; Trash-1; Kelp;Seagrass
S9	12 Nov 2025	Arrive Time	751
S9	12 Nov 2025	Wind Speed (kts)	0
S9	12 Nov 2025	Wind Dir	XX
S9	12 Nov 2025	Animal Life	
S9	12 Nov 2025	Floatables	
S9	12 Nov 2025	Current Direction	S
S9	12 Nov 2025	Water Temp (C)	14.4
S9	12 Nov 2025	High Tide Time	420
S9	12 Nov 2025	Low Tide Time	938
S9	12 Nov 2025	Comments	Water clear; Trash-1; Person/Walker/Jogger-5
S9	17 Nov 2025	Arrive Time	819
S9	17 Nov 2025	Wind Speed (kts)	1.5
S9	17 Nov 2025	Wind Dir	SW
S9	17 Nov 2025	Animal Life	
S9	17 Nov 2025	Floatables	
S9	17 Nov 2025	Current Direction	S
S9	17 Nov 2025	Water Temp (C)	15.3
S9	17 Nov 2025	High Tide Time	648
S9	17 Nov 2025	Low Tide Time	33
S9	17 Nov 2025	Comments	Water clear; Trash-2; Kelp;Seagrass;Algae;Debris; Sewage-like odor
S9	18 Nov 2025	Arrive Time	1046
S9	18 Nov 2025	Wind Speed (kts)	1.1
S9	18 Nov 2025	Wind Dir	SW
S9	18 Nov 2025	Animal Life	
S9	18 Nov 2025	Floatables	
S9	18 Nov 2025	Current Direction	S
S9	18 Nov 2025	Water Temp (C)	15.9
S9	18 Nov 2025	High Tide Time	711
S9	18 Nov 2025	Low Tide Time	58
S9	18 Nov 2025	Comments	Water clear; Trash-2; Kelp;Seagrass;Debris; Sewage-like odor
S9	25 Nov 2025	Arrive Time	808
S9	25 Nov 2025	Wind Speed (kts)	0
S9	25 Nov 2025	Wind Dir	XX
S9	25 Nov 2025	Animal Life	
S9	25 Nov 2025	Floatables	

Station	Date	Parameter	Value
S9	25 Nov 2025	Current Direction	S
S9	25 Nov 2025	Water Temp (C)	14.4
S9	25 Nov 2025	High Tide Time	115
S9	25 Nov 2025	Low Tide Time	403
S9	25 Nov 2025	Comments	Water clear; Trash-1; Seagrass;Kelp;Algae;Debris

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 Nov 2025	*18	*10	*14	*26	*21	*21	*26
02 Nov 2025	*18	*10	*14	*26	*21	*21	*26
03 Nov 2025	13	8	10	15	13	13	16
04 Nov 2025	13	8	10	15	13	13	16
05 Nov 2025	13	8	10	15	13	13	16
06 Nov 2025	*20	*11	*14	*26	*19	*21	*26
07 Nov 2025	*20	*11	*14	*26	*19	*21	*26
08 Nov 2025	*20	*11	*14	*26	*19	*21	*26
09 Nov 2025	*20	*11	*14	*26	*19	*21	*26
10 Nov 2025	21	8	10	15	12	13	16
11 Nov 2025	21	8	10	15	12	13	16
12 Nov 2025	21	8	10	15	12	13	16
13 Nov 2025	21	8	10	15	12	13	16
14 Nov 2025	*11	*4	*5	*7	*7	*11	*4
15 Nov 2025	*11	*4	*5	*7	*7	*11	*4
16 Nov 2025	*11	*4	*5	*7	*7	*11	*4
17 Nov 2025	28	8	10	20	25	25	11
18 Nov 2025	28	8	10	20	25	25	11
19 Nov 2025	28	8	10	20	25	25	11
20 Nov 2025	*42	*7	*6	*10	*13	*9	*7
21 Nov 2025	*42	*7	*6	*10	*13	*9	*7
22 Nov 2025	*42	*7	*6	*10	*13	*9	*7
23 Nov 2025	*42	*7	*6	*10	*13	*9	*7
24 Nov 2025	*42	*7	*6	*10	*13	*9	*7
25 Nov 2025	87	8	7	10	19	7	17
26 Nov 2025	*109	*11	*9	*14	*33	*10	*30
27 Nov 2025	*109	*11	*9	*14	*33	*10	*30
28 Nov 2025	*109	*11	*9	*14	*33	*10	*30
29 Nov 2025	*109	*11	*9	*14	*33	*10	*30
30 Nov 2025	*109	*11	*9	*14	*33	*10	*30

* 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
03 Nov 2025	IC	IC	IC	IC	IC	IC	IC
10 Nov 2025	IC	IC	IC	IC	IC	IC	IC
17 Nov 2025	E	IC	IC	E	E	E	E
25 Nov 2025	E	IC	IC	IC	IC	IC	E

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 Nov 2025	11	11	14	13	9	9	20
02 Nov 2025	11	11	14	13	9	9	20
03 Nov 2025	10	9	10	10	7	8	15
04 Nov 2025	14	11	14	13	9	10	21
05 Nov 2025	14	11	14	13	9	10	21
06 Nov 2025	14	11	14	13	9	10	21
07 Nov 2025	14	11	14	13	9	10	21
08 Nov 2025	14	11	14	13	9	10	21
09 Nov 2025	14	11	14	13	9	10	21
10 Nov 2025	7	4	6	6	7	8	8
11 Nov 2025	7	4	6	6	7	8	8
12 Nov 2025	7	4	6	6	7	8	8
13 Nov 2025	7	4	6	6	7	8	8
14 Nov 2025	7	4	6	6	7	8	8
15 Nov 2025	7	4	6	6	7	8	8
16 Nov 2025	7	4	6	6	7	8	8
17 Nov 2025	16	8	10	12	14	11	15
18 Nov 2025	22	9	13	16	17	15	20
19 Nov 2025	22	9	13	16	17	15	20
20 Nov 2025	22	9	13	16	17	15	20
21 Nov 2025	22	9	13	16	17	15	20
22 Nov 2025	22	9	13	16	17	15	20
23 Nov 2025	22	9	13	16	17	15	20
24 Nov 2025	22	9	13	16	17	15	20
25 Nov 2025	28	8	10	12	13	11	22
26 Nov 2025	19	5	7	8	9	9	12
27 Nov 2025	19	5	7	8	9	9	12
28 Nov 2025	19	5	7	8	9	9	12
29 Nov 2025	19	5	7	8	9	9	12
30 Nov 2025	19	5	7	8	9	9	12

* 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
November	E	E	E	E	E	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	12m	18m	2m	6m	9m
01 Nov 2025	*59	*242	*173	*81	*28	*5	*62	*51	*6	*1801	*162	*15	*170	*220	*100	*2	*48	*7	*610	*10	*13
02 Nov 2025	*59	*242	*173	*81	*28	*5	*62	*51	*6	*1801	*162	*15	*170	*220	*100	*2	*48	*7	*610	*10	*13
03 Nov 2025	22	4	20	12	40	6	4	2	10	2	4	4	20	20	80	2	2	12	40	12	20
04 Nov 2025	22	4	20	12	40	6	4	2	10	2	4	4	20	20	80	2	2	12	40	12	20
05 Nov 2025	22	4	20	12	40	6	4	2	10	2	4	4	20	20	80	2	2	12	40	12	20
06 Nov 2025	*61	*242	*180	*86	*47	*13	*62	*51	*15	*1801	*162	*16	*161	*211	*120	*2	*48	*13	*620	*16	*20
07 Nov 2025	*61	*242	*180	*86	*47	*13	*62	*51	*15	*1801	*162	*16	*161	*211	*120	*2	*48	*13	*620	*16	*20
08 Nov 2025	*61	*242	*180	*86	*47	*13	*62	*51	*15	*1801	*162	*16	*161	*211	*120	*2	*48	*13	*620	*16	*20
09 Nov 2025	*61	*242	*180	*86	*47	*13	*62	*51	*15	*1801	*162	*16	*161	*211	*120	*2	*48	*13	*620	*16	*20
10 Nov 2025	22	40	340	12	40	6	4	2	10	2	4	4	2	2	80	2	14	12	40	12	20
11 Nov 2025	22	40	340	12	40	6	4	2	10	2	4	4	2	2	80	2	14	12	40	12	20
12 Nov 2025	22	40	340	12	40	6	4	2	10	2	4	4	2	2	80	2	14	12	40	12	20
13 Nov 2025	22	40	340	12	40	6	4	2	10	2	4	4	2	2	80	2	14	12	40	12	20
14 Nov 2025	*21	*22	*180	*7	*21	*5	*3	*2	*6	*2	*3	*3	*2	*2	*41	*2	*8	*7	*29	*10	*13
15 Nov 2025	*21	*22	*180	*7	*21	*5	*3	*2	*6	*2	*3	*3	*2	*2	*41	*2	*8	*7	*29	*10	*13
16 Nov 2025	*21	*22	*180	*7	*21	*5	*3	*2	*6	*2	*3	*3	*2	*2	*41	*2	*8	*7	*29	*10	*13
17 Nov 2025	22	40	340	12	40	6	4	2	10	2	4	4	2	2	80	2	14	12	40	12	20
18 Nov 2025	22	40	340	12	40	6	4	2	10	2	4	4	2	2	80	2	14	12	40	12	20
19 Nov 2025	22	40	340	12	40	6	4	2	10	2	4	4	2	2	80	2	14	12	40	12	20
20 Nov 2025	*61	*260	*370	*7	*21	*12	*3	*2	*11	*2	*3	*3	*2	*2	*41	*2	*8	*8	*29	*16	*20
21 Nov 2025	*61	*260	*370	*7	*21	*12	*3	*2	*11	*2	*3	*3	*2	*2	*41	*2	*8	*8	*29	*16	*20
22 Nov 2025	*61	*260	*370	*7	*21	*12	*3	*2	*11	*2	*3	*3	*2	*2	*41	*2	*8	*8	*29	*16	*20
23 Nov 2025	*61	*260	*370	*7	*21	*12	*3	*2	*11	*2	*3	*3	*2	*2	*41	*2	*8	*8	*29	*16	*20
24 Nov 2025	*61	*260	*370	*7	*21	*12	*3	*2	*11	*2	*3	*3	*2	*2	*41	*2	*8	*8	*29	*16	*20
25 Nov 2025	100	480	400	12	40	20	4	2	20	2	4	4	2	2	80	2	6	14	40	20	20
26 Nov 2025	*2011	*1420	*4900	*23	*57	*80	*9	*42	*54	*4	*23	*18	*18	*61	*490	*2	*10	*17	*60	*610	*1810
27 Nov 2025	*2011	*1420	*4900	*23	*57	*80	*9	*42	*54	*4	*23	*18	*18	*61	*490	*2	*10	*17	*60	*610	*1810
28 Nov 2025	*2011	*1420	*4900	*23	*57	*80	*9	*42	*54	*4	*23	*18	*18	*61	*490	*2	*10	*17	*60	*610	*1810
29 Nov 2025	*2011	*1420	*4900	*23	*57	*80	*9	*42	*54	*4	*23	*18	*18	*61	*490	*2	*10	*17	*60	*610	*1810
30 Nov 2025	*2011	*1420	*4900	*23	*57	*80	*9	*42	*54	*4	*23	*18	*18	*61	*490	*2	*10	*17	*60	*610	*1810

* 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
November	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	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	03 Nov 2025	1018	2	22e	6e	16e
I19	03 Nov 2025	1018	6	4e	<2	2e
I19	03 Nov 2025	1018	11	<20	<2	8e
I19	10 Nov 2025	1016	2	<20	2e	<2
I19	10 Nov 2025	1016	6	40e	10e	2e
I19	10 Nov 2025	1016	11	400	58	24e
I19	17 Nov 2025	943	2	10000	860	1400e
I19	17 Nov 2025	943	6	5200	1000e	1200e
I19	17 Nov 2025	943	11	9400	1400e	2000e
I19	25 Nov 2025	1044	2	4000	1000	2e
I19	25 Nov 2025	1044	6	2800e	340e	36e
I19	25 Nov 2025	1044	11	14000	3600e	280e
I24	03 Nov 2025	1037	2	12e	2e	2e
I24	03 Nov 2025	1037	6	40e	6e	<2
I24	03 Nov 2025	1037	11	<20	2e	<2
I24	10 Nov 2025	1032	2	<2	<2	<2
I24	10 Nov 2025	1032	6	<2	<2	<2
I24	10 Nov 2025	1032	11	2e	<2	2e
I24	17 Nov 2025	1000	2	1300	160e	120e
I24	17 Nov 2025	1000	6	3400e	300e	460
I24	17 Nov 2025	1000	11	1000	180e	180e
I24	25 Nov 2025	1107	2	34e	<2	2e
I24	25 Nov 2025	1107	6	74	12e	<2
I24	25 Nov 2025	1107	11	140	22e	<2
I25	03 Nov 2025	1043	2	2e	2e	<2
I25	03 Nov 2025	1043	6	2e	<2	<2
I25	03 Nov 2025	1043	9	<20	<2	<2
I25	10 Nov 2025	1040	2	<2	<2	<2
I25	10 Nov 2025	1040	6	<2	<2	<2
I25	10 Nov 2025	1040	9	<2	<2	<2
I25	17 Nov 2025	1007	2	1000e	80	100e
I25	17 Nov 2025	1007	6	1600e	260e	400
I25	17 Nov 2025	1007	9	2000e	180e	320e
I25	25 Nov 2025	1115	2	16e	<2	<2
I25	25 Nov 2025	1115	6	82	6e	2e
I25	25 Nov 2025	1115	9	88	18e	<2
I26	03 Nov 2025	1053	2	<2	<2	<2
I26	03 Nov 2025	1053	6	2e	<2	<2
I26	03 Nov 2025	1053	9	4e	<2	<2

Station	Date	Time	Depth	Total	Fecal	Entero
I26	10 Nov 2025	1049	2	<2	<2	<2
I26	10 Nov 2025	1049	6	<2	<2	<2
I26	10 Nov 2025	1049	9	<2	<2	<2
I26	17 Nov 2025	1014	2	5400	1100	500
I26	17 Nov 2025	1014	6	7400	1000e	780
I26	17 Nov 2025	1014	9	6200	2400e	700
I26	25 Nov 2025	1124	2	6e	4e	2e
I26	25 Nov 2025	1124	6	44	4e	<2
I26	25 Nov 2025	1124	9	32e	12e	<2
I32	03 Nov 2025	1105	2	<2	<2	<2
I32	03 Nov 2025	1105	6	2e	<2	<2
I32	03 Nov 2025	1105	9	80e	<2	<2
I32	10 Nov 2025	1059	2	<2	<2	<2
I32	10 Nov 2025	1059	6	<2	<2	<2
I32	10 Nov 2025	1059	9	<2	<2	2e
I32	17 Nov 2025	1026	2	6600	800e	200e
I32	17 Nov 2025	1026	6	>16000	6200	800
I32	17 Nov 2025	1026	9	15000	2400e	900
I32	25 Nov 2025	1136	2	34e	4e	2e
I32	25 Nov 2025	1136	6	120	30e	<2
I32	25 Nov 2025	1136	9	900	240e	4e
I39	03 Nov 2025	956	2	<2	<2	<2
I39	03 Nov 2025	956	12	<2	<2	<2
I39	03 Nov 2025	956	18	14e	<2	6e
I39	10 Nov 2025	955	2	<2	<2	<2
I39	10 Nov 2025	955	12	14e	<2	<2
I39	10 Nov 2025	955	18	2e	2e	4e
I39	17 Nov 2025	925	2	9400	1000	120e
I39	17 Nov 2025	925	12	5200	820	80e
I39	17 Nov 2025	925	18	1800e	380e	52
I39	25 Nov 2025	1016	2	<2	<2	<2
I39	25 Nov 2025	1016	12	6e	<2	<2
I39	25 Nov 2025	1016	18	<20	8e	2e
I40	03 Nov 2025	1030	2	40e	<2	2e
I40	03 Nov 2025	1030	6	<20	2e	4e
I40	03 Nov 2025	1030	9	20e	2e	<2
I40	10 Nov 2025	1025	2	4e	<2	<2
I40	10 Nov 2025	1025	6	<2	<2	4e
I40	10 Nov 2025	1025	9	4e	<2	<2
I40	17 Nov 2025	954	2	2800e	320e	520
I40	17 Nov 2025	954	6	1200e	440	220e
I40	17 Nov 2025	954	9	3600e	400	540
I40	25 Nov 2025	1057	2	80e	40	4e
I40	25 Nov 2025	1057	6	5200	820	32e
I40	25 Nov 2025	1057	9	4400	640	84

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
I19	03 Nov 2025	Arrive Time	1018
I19	03 Nov 2025	Depart Time	1022
I19	03 Nov 2025	Air Temp (C)	19.3
I19	03 Nov 2025	Visibility (mi)	4
I19	03 Nov 2025	Wind Speed (kts)	3
I19	03 Nov 2025	Wind Dir	NW
I19	03 Nov 2025	Sea State	Calm
I19	03 Nov 2025	High Tide Time	654
I19	03 Nov 2025	Low Tide Time	1324
I19	03 Nov 2025	Comments	Dead sand crabs on surface
I19	10 Nov 2025	Arrive Time	1016
I19	10 Nov 2025	Depart Time	1020
I19	10 Nov 2025	Air Temp (C)	17.6
I19	10 Nov 2025	Visibility (mi)	6
I19	10 Nov 2025	Wind Speed (kts)	3.2
I19	10 Nov 2025	Wind Dir	W
I19	10 Nov 2025	Sea State	Wind Ripples
I19	10 Nov 2025	High Tide Time	1206
I19	10 Nov 2025	Low Tide Time	1954
I19	10 Nov 2025	Comments	
I19	17 Nov 2025	Arrive Time	939
I19	17 Nov 2025	Depart Time	943
I19	17 Nov 2025	Air Temp (C)	17
I19	17 Nov 2025	Visibility (mi)	10
I19	17 Nov 2025	Wind Speed (kts)	2.6
I19	17 Nov 2025	Wind Dir	S
I19	17 Nov 2025	Sea State	Regular Swell
I19	17 Nov 2025	High Tide Time	654
I19	17 Nov 2025	Low Tide Time	1342
I19	17 Nov 2025	Comments	Sewage-like Odor
I19	25 Nov 2025	Arrive Time	1044
I19	25 Nov 2025	Depart Time	1049
I19	25 Nov 2025	Air Temp (C)	17.6
I19	25 Nov 2025	Visibility (mi)	10
I19	25 Nov 2025	Wind Speed (kts)	5.8
I19	25 Nov 2025	Wind Dir	NW
I19	25 Nov 2025	Sea State	Calm
I19	25 Nov 2025	High Tide Time	1048
I19	25 Nov 2025	Low Tide Time	1854
I19	25 Nov 2025	Comments	
I40	03 Nov 2025	Arrive Time	1030
I40	03 Nov 2025	Depart Time	1033
I40	03 Nov 2025	Air Temp (C)	18.9
I40	03 Nov 2025	Visibility (mi)	4
I40	03 Nov 2025	Wind Speed (kts)	1.1
I40	03 Nov 2025	Wind Dir	N
I40	03 Nov 2025	Sea State	Calm
I40	03 Nov 2025	High Tide Time	654
I40	03 Nov 2025	Low Tide Time	1324
I40	03 Nov 2025	Comments	
I40	10 Nov 2025	Arrive Time	1025

Station	Date	Parameter	Value
I40	10 Nov 2025	Depart Time	1032
I40	10 Nov 2025	Air Temp (C)	17.6
I40	10 Nov 2025	Visibility (mi)	8
I40	10 Nov 2025	Wind Speed (kts)	5
I40	10 Nov 2025	Wind Dir	W
I40	10 Nov 2025	Sea State	Wind Ripples
I40	10 Nov 2025	High Tide Time	1206
I40	10 Nov 2025	Low Tide Time	1954
I40	10 Nov 2025	Comments	
I40	17 Nov 2025	Arrive Time	949
I40	17 Nov 2025	Depart Time	954
I40	17 Nov 2025	Air Temp (C)	17.6
I40	17 Nov 2025	Visibility (mi)	10
I40	17 Nov 2025	Wind Speed (kts)	0
I40	17 Nov 2025	Wind Dir	NW
I40	17 Nov 2025	Sea State	Regular Swell
I40	17 Nov 2025	High Tide Time	654
I40	17 Nov 2025	Low Tide Time	1342
I40	17 Nov 2025	Comments	
I40	25 Nov 2025	Arrive Time	1057
I40	25 Nov 2025	Depart Time	1103
I40	25 Nov 2025	Air Temp (C)	17.4
I40	25 Nov 2025	Visibility (mi)	10
I40	25 Nov 2025	Wind Speed (kts)	17.9
I40	25 Nov 2025	Wind Dir	NW
I40	25 Nov 2025	Sea State	Calm
I40	25 Nov 2025	High Tide Time	1048
I40	25 Nov 2025	Low Tide Time	1854
I40	25 Nov 2025	Comments	
I24	03 Nov 2025	Arrive Time	1037
I24	03 Nov 2025	Depart Time	1041
I24	03 Nov 2025	Air Temp (C)	18.6
I24	03 Nov 2025	Visibility (mi)	4
I24	03 Nov 2025	Wind Speed (kts)	2.7
I24	03 Nov 2025	Wind Dir	NE
I24	03 Nov 2025	Sea State	Calm
I24	03 Nov 2025	High Tide Time	654
I24	03 Nov 2025	Low Tide Time	1324
I24	03 Nov 2025	Comments	
I24	10 Nov 2025	Arrive Time	1032
I24	10 Nov 2025	Depart Time	1037
I24	10 Nov 2025	Air Temp (C)	17.5
I24	10 Nov 2025	Visibility (mi)	8
I24	10 Nov 2025	Wind Speed (kts)	7.5
I24	10 Nov 2025	Wind Dir	NE
I24	10 Nov 2025	Sea State	Light Chop
I24	10 Nov 2025	High Tide Time	1206
I24	10 Nov 2025	Low Tide Time	1954
I24	10 Nov 2025	Comments	
I24	17 Nov 2025	Arrive Time	956
I24	17 Nov 2025	Depart Time	1000
I24	17 Nov 2025	Air Temp (C)	17.1
I24	17 Nov 2025	Visibility (mi)	10
I24	17 Nov 2025	Wind Speed (kts)	1.8
I24	17 Nov 2025	Wind Dir	SW
I24	17 Nov 2025	Sea State	Regular Swell

Station	Date	Parameter	Value
I24	17 Nov 2025	High Tide Time	654
I24	17 Nov 2025	Low Tide Time	1342
I24	17 Nov 2025	Comments	
I24	25 Nov 2025	Arrive Time	1107
I24	25 Nov 2025	Depart Time	1112
I24	25 Nov 2025	Air Temp (C)	17.2
I24	25 Nov 2025	Visibility (mi)	10
I24	25 Nov 2025	Wind Speed (kts)	15.5
I24	25 Nov 2025	Wind Dir	W
I24	25 Nov 2025	Sea State	Calm
I24	25 Nov 2025	High Tide Time	1048
I24	25 Nov 2025	Low Tide Time	1854
I24	25 Nov 2025	Comments	
I25	03 Nov 2025	Arrive Time	1043
I25	03 Nov 2025	Depart Time	1047
I25	03 Nov 2025	Air Temp (C)	18.8
I25	03 Nov 2025	Visibility (mi)	4
I25	03 Nov 2025	Wind Speed (kts)	0.8
I25	03 Nov 2025	Wind Dir	N
I25	03 Nov 2025	Sea State	Calm
I25	03 Nov 2025	High Tide Time	654
I25	03 Nov 2025	Low Tide Time	1324
I25	03 Nov 2025	Comments	
I25	10 Nov 2025	Arrive Time	1040
I25	10 Nov 2025	Depart Time	1044
I25	10 Nov 2025	Air Temp (C)	17.3
I25	10 Nov 2025	Visibility (mi)	8
I25	10 Nov 2025	Wind Speed (kts)	9
I25	10 Nov 2025	Wind Dir	NW
I25	10 Nov 2025	Sea State	Light Chop
I25	10 Nov 2025	High Tide Time	1206
I25	10 Nov 2025	Low Tide Time	1954
I25	10 Nov 2025	Comments	
I25	17 Nov 2025	Arrive Time	1002
I25	17 Nov 2025	Depart Time	1007
I25	17 Nov 2025	Air Temp (C)	17.2
I25	17 Nov 2025	Visibility (mi)	10
I25	17 Nov 2025	Wind Speed (kts)	0.3
I25	17 Nov 2025	Wind Dir	SW
I25	17 Nov 2025	Sea State	Regular Swell
I25	17 Nov 2025	High Tide Time	654
I25	17 Nov 2025	Low Tide Time	1342
I25	17 Nov 2025	Comments	Firing mechanism for bottles 4-6 broke. Plastic cracked.
I25	25 Nov 2025	Arrive Time	1115
I25	25 Nov 2025	Depart Time	1119
I25	25 Nov 2025	Air Temp (C)	17.6
I25	25 Nov 2025	Visibility (mi)	10
I25	25 Nov 2025	Wind Speed (kts)	14.6
I25	25 Nov 2025	Wind Dir	NW
I25	25 Nov 2025	Sea State	Calm
I25	25 Nov 2025	High Tide Time	1048
I25	25 Nov 2025	Low Tide Time	1854
I25	25 Nov 2025	Comments	
I39	03 Nov 2025	Arrive Time	956
I39	03 Nov 2025	Depart Time	1000

Station	Date	Parameter	Value
I39	03 Nov 2025	Air Temp (C)	18.4
I39	03 Nov 2025	Visibility (mi)	4
I39	03 Nov 2025	Wind Speed (kts)	0.9
I39	03 Nov 2025	Wind Dir	N
I39	03 Nov 2025	Sea State	Calm
I39	03 Nov 2025	High Tide Time	654
I39	03 Nov 2025	Low Tide Time	1324
I39	03 Nov 2025	Comments	fishing boat nearby
I39	10 Nov 2025	Arrive Time	955
I39	10 Nov 2025	Depart Time	1002
I39	10 Nov 2025	Air Temp (C)	17.1
I39	10 Nov 2025	Visibility (mi)	6
I39	10 Nov 2025	Wind Speed (kts)	6.9
I39	10 Nov 2025	Wind Dir	SW
I39	10 Nov 2025	Sea State	Wind Ripples
I39	10 Nov 2025	High Tide Time	1206
I39	10 Nov 2025	Low Tide Time	1954
I39	10 Nov 2025	Comments	
I39	17 Nov 2025	Arrive Time	921
I39	17 Nov 2025	Depart Time	925
I39	17 Nov 2025	Air Temp (C)	16.8
I39	17 Nov 2025	Visibility (mi)	10
I39	17 Nov 2025	Wind Speed (kts)	1.2
I39	17 Nov 2025	Wind Dir	NW
I39	17 Nov 2025	Sea State	Regular Swell
I39	17 Nov 2025	High Tide Time	654
I39	17 Nov 2025	Low Tide Time	1342
I39	17 Nov 2025	Comments	
I39	25 Nov 2025	Arrive Time	1016
I39	25 Nov 2025	Depart Time	1029
I39	25 Nov 2025	Air Temp (C)	17.3
I39	25 Nov 2025	Visibility (mi)	10
I39	25 Nov 2025	Wind Speed (kts)	1
I39	25 Nov 2025	Wind Dir	N
I39	25 Nov 2025	Sea State	Calm
I39	25 Nov 2025	High Tide Time	1048
I39	25 Nov 2025	Low Tide Time	1854
I39	25 Nov 2025	Comments	Use second cast; did not collect first 3m of data on first cast;
I26	03 Nov 2025	Arrive Time	1053
I26	03 Nov 2025	Depart Time	1057
I26	03 Nov 2025	Air Temp (C)	18.4
I26	03 Nov 2025	Visibility (mi)	4
I26	03 Nov 2025	Wind Speed (kts)	1.9
I26	03 Nov 2025	Wind Dir	N
I26	03 Nov 2025	Sea State	Calm
I26	03 Nov 2025	High Tide Time	654
I26	03 Nov 2025	Low Tide Time	1324
I26	03 Nov 2025	Comments	
I26	10 Nov 2025	Arrive Time	1049
I26	10 Nov 2025	Depart Time	1053
I26	10 Nov 2025	Air Temp (C)	17.4
I26	10 Nov 2025	Visibility (mi)	8
I26	10 Nov 2025	Wind Speed (kts)	8.1
I26	10 Nov 2025	Wind Dir	S
I26	10 Nov 2025	Sea State	Wind Ripples
I26	10 Nov 2025	High Tide Time	1206

Station	Date	Parameter	Value
I26	10 Nov 2025	Low Tide Time	1954
I26	10 Nov 2025	Comments	
I26	17 Nov 2025	Arrive Time	1010
I26	17 Nov 2025	Depart Time	1014
I26	17 Nov 2025	Air Temp (C)	17.6
I26	17 Nov 2025	Visibility (mi)	10
I26	17 Nov 2025	Wind Speed (kts)	0
I26	17 Nov 2025	Wind Dir	NW
I26	17 Nov 2025	Sea State	Regular Swell
I26	17 Nov 2025	High Tide Time	654
I26	17 Nov 2025	Low Tide Time	1342
I26	17 Nov 2025	Comments	
I26	25 Nov 2025	Arrive Time	1124
I26	25 Nov 2025	Depart Time	1130
I26	25 Nov 2025	Air Temp (C)	17.9
I26	25 Nov 2025	Visibility (mi)	10
I26	25 Nov 2025	Wind Speed (kts)	13
I26	25 Nov 2025	Wind Dir	NW
I26	25 Nov 2025	Sea State	Calm
I26	25 Nov 2025	High Tide Time	1048
I26	25 Nov 2025	Low Tide Time	1854
I26	25 Nov 2025	Comments	
I32	03 Nov 2025	Arrive Time	1105
I32	03 Nov 2025	Depart Time	1110
I32	03 Nov 2025	Air Temp (C)	18.7
I32	03 Nov 2025	Visibility (mi)	4
I32	03 Nov 2025	Wind Speed (kts)	1.8
I32	03 Nov 2025	Wind Dir	N
I32	03 Nov 2025	Sea State	Calm
I32	03 Nov 2025	High Tide Time	654
I32	03 Nov 2025	Low Tide Time	1324
I32	03 Nov 2025	Comments	
I32	10 Nov 2025	Arrive Time	1059
I32	10 Nov 2025	Depart Time	1103
I32	10 Nov 2025	Air Temp (C)	17.6
I32	10 Nov 2025	Visibility (mi)	8
I32	10 Nov 2025	Wind Speed (kts)	1.6
I32	10 Nov 2025	Wind Dir	SW
I32	10 Nov 2025	Sea State	Wind Ripples
I32	10 Nov 2025	High Tide Time	1206
I32	10 Nov 2025	Low Tide Time	1954
I32	10 Nov 2025	Comments	
I32	17 Nov 2025	Arrive Time	1021
I32	17 Nov 2025	Depart Time	1026
I32	17 Nov 2025	Air Temp (C)	17.6
I32	17 Nov 2025	Visibility (mi)	10
I32	17 Nov 2025	Wind Speed (kts)	0
I32	17 Nov 2025	Wind Dir	N
I32	17 Nov 2025	Sea State	Regular Swell
I32	17 Nov 2025	High Tide Time	654
I32	17 Nov 2025	Low Tide Time	1342
I32	17 Nov 2025	Comments	
I32	25 Nov 2025	Arrive Time	1136
I32	25 Nov 2025	Depart Time	1142
I32	25 Nov 2025	Air Temp (C)	17.6

Station	Date	Parameter	Value
I32	25 Nov 2025	Visibility (mi)	10
I32	25 Nov 2025	Wind Speed (kts)	12
I32	25 Nov 2025	Wind Dir	NW
I32	25 Nov 2025	Sea State	Calm
I32	25 Nov 2025	High Tide Time	1048
I32	25 Nov 2025	Low Tide Time	1854
I32	25 Nov 2025	Comments	

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	03 Nov 2025	1	16.69	66.85	8.2	33.27	8.0	24.3	0.96
I19	03 Nov 2025	2	16.54	66.47	8.2	33.27	8.0	24.3	1.02
I19	03 Nov 2025	3	16.32	65.84	8.3	33.27	8.0	24.3	1.63
I19	03 Nov 2025	4	16.27	70.95	8.3	33.27	8.0	24.4	2.20
I19	03 Nov 2025	5	16.09	78.92	8.3	33.27	8.0	24.4	2.15
I19	03 Nov 2025	6	15.98	86.35	8.2	33.27	8.0	24.4	1.81
I19	03 Nov 2025	7	15.97	87.73	8.2	33.27	8.0	24.4	1.91
I19	03 Nov 2025	8	15.84	88.07	8.0	33.27	8.0	24.5	1.92
I19	03 Nov 2025	9	15.70	86.85	7.8	33.27	8.0	24.5	1.93
I19	03 Nov 2025	10	15.63	84.64	7.6	33.27	8.0	24.5	2.14
I19	10 Nov 2025	1	16.23	71.29	8.1	33.31	8.0	24.4	2.25
I19	10 Nov 2025	2	16.17	71.14	8.0	33.31	8.0	24.4	2.38
I19	10 Nov 2025	3	15.90	70.67	7.8	33.31	8.0	24.5	3.00
I19	10 Nov 2025	4	15.72	70.29	7.7	33.30	8.0	24.5	3.48
I19	10 Nov 2025	5	15.38	71.29	7.6	33.30	8.0	24.6	3.42
I19	10 Nov 2025	6	15.25	73.53	7.5	33.30	8.0	24.6	2.67
I19	10 Nov 2025	7	15.10	79.02	7.3	33.29	8.0	24.6	2.36
I19	10 Nov 2025	8	15.04	83.75	7.2	33.29	8.0	24.6	1.94
I19	10 Nov 2025	9	15.03	82.78	7.1	33.29	8.0	24.6	1.61
I19	10 Nov 2025	10	15.04	81.12	7.0	33.29	8.0	24.6	1.54
I19	17 Nov 2025	1	17.36	32.12	7.8	33.18	8.1	24.0	1.72
I19	17 Nov 2025	2	17.33	31.63	7.8	33.18	8.1	24.0	1.73
I19	17 Nov 2025	3	17.31	29.99	7.8	33.18	8.1	24.0	1.74
I19	17 Nov 2025	4	17.30	29.65	7.8	33.18	8.1	24.0	1.61
I19	17 Nov 2025	5	17.30	30.70	7.8	33.18	8.1	24.0	1.57
I19	17 Nov 2025	6	17.29	30.74	7.8	33.18	8.1	24.0	1.57
I19	17 Nov 2025	7	17.28	30.24	7.8	33.18	8.1	24.1	1.48
I19	17 Nov 2025	8	17.27	30.03	7.8	33.18	8.1	24.1	1.46
I19	17 Nov 2025	9	17.26	30.68	7.9	33.17	8.1	24.1	1.45
I19	17 Nov 2025	10	17.24	30.67	7.9	33.17	8.1	24.1	1.40
I19	25 Nov 2025	1	17.51	78.60	7.8	33.23	8.1	24.0	0.66
I19	25 Nov 2025	2	17.49	78.51	7.8	33.23	8.1	24.0	0.66
I19	25 Nov 2025	3	17.43	77.47	7.7	33.26	8.1	24.1	0.76
I19	25 Nov 2025	4	17.39	77.88	7.6	33.27	8.1	24.1	0.96
I19	25 Nov 2025	5	17.36	76.21	7.5	33.27	8.0	24.1	1.22
I19	25 Nov 2025	6	17.33	68.75	7.4	33.27	8.0	24.1	1.80
I19	25 Nov 2025	7	17.30	57.56	7.5	33.26	8.0	24.1	2.29
I19	25 Nov 2025	8	17.26	55.36	7.6	33.25	8.0	24.1	2.25
I19	25 Nov 2025	9	17.23	56.89	7.7	33.24	8.0	24.1	2.03
I19	25 Nov 2025	10	17.20	59.83	7.8	33.23	8.0	24.1	1.96
I40	03 Nov 2025	1	17.26	64.60	8.1	33.24	8.0	24.1	1.64
I40	03 Nov 2025	2	17.21	64.59	8.2	33.24	8.0	24.1	1.67
I40	03 Nov 2025	3	17.03	63.85	8.3	33.25	8.0	24.2	2.23
I40	03 Nov 2025	4	16.91	64.68	8.3	33.26	8.0	24.2	4.07
I40	03 Nov 2025	5	16.68	70.10	8.2	33.26	8.0	24.3	3.38
I40	03 Nov 2025	6	16.53	72.78	7.9	33.26	8.0	24.3	2.53
I40	03 Nov 2025	7	16.34	75.03	7.6	33.25	8.0	24.3	2.22
I40	03 Nov 2025	8	16.14	67.67	7.4	33.26	8.0	24.4	2.04
I40	03 Nov 2025	9	15.99	70.14	7.3	33.27	8.0	24.4	1.88
I40	03 Nov 2025	10	15.79	61.77	7.4	33.27	8.0	24.5	2.10
I40	10 Nov 2025	1	17.09	85.28	7.8	33.32	8.1	24.2	0.61
I40	10 Nov 2025	2	17.00	85.09	7.7	33.31	8.1	24.2	0.58
I40	10 Nov 2025	3	16.68	84.02	7.6	33.32	8.0	24.3	0.70
I40	10 Nov 2025	4	16.42	83.05	7.5	33.30	8.0	24.3	0.99
I40	10 Nov 2025	5	15.90	82.82	7.5	33.30	8.0	24.5	1.40
I40	10 Nov 2025	6	15.72	78.20	7.3	33.30	8.0	24.5	1.96
I40	10 Nov 2025	7	15.62	74.04	7.3	33.30	8.0	24.5	2.28
I40	10 Nov 2025	8	15.56	72.54	7.2	33.30	8.0	24.5	2.45
I40	10 Nov 2025	9	15.47	70.90	7.1	33.30	8.0	24.6	2.35
I40	10 Nov 2025	10	15.31	69.84	6.9	33.29	8.0	24.6	2.17
I40	17 Nov 2025	1	17.38	55.54	8.0	33.20	8.1	24.0	1.63
I40	17 Nov 2025	2	17.38	55.65	8.0	33.20	8.1	24.0	1.72

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I40	17 Nov 2025	3	17.38	55.27	8.0	33.20	8.1	24.0	1.83
I40	17 Nov 2025	4	17.38	55.19	8.0	33.20	8.1	24.0	1.77
I40	17 Nov 2025	5	17.41	55.08	8.0	33.19	8.1	24.0	1.75
I40	17 Nov 2025	6	17.38	54.95	8.0	33.20	8.1	24.0	1.69
I40	17 Nov 2025	7	17.39	54.45	8.0	33.19	8.1	24.0	1.70
I40	17 Nov 2025	8	17.38	54.94	8.0	33.21	8.1	24.1	1.67
I40	17 Nov 2025	9	17.39	57.80	7.9	33.24	8.1	24.1	1.62
I40	17 Nov 2025	10	17.41	63.60	7.9	33.25	8.1	24.1	1.52
I40	25 Nov 2025	1	17.56	60.93	7.3	33.14	8.0	24.0	1.13
I40	25 Nov 2025	2	17.53	60.77	7.5	33.15	8.0	24.0	1.20
I40	25 Nov 2025	3	17.47	59.91	7.6	33.15	8.0	24.0	1.95
I40	25 Nov 2025	4	17.44	54.53	7.2	33.16	8.0	24.0	2.72
I40	25 Nov 2025	5	17.38	49.15	7.3	33.19	8.0	24.0	2.83
I40	25 Nov 2025	6	17.31	44.55	7.2	33.19	8.0	24.0	2.68
I40	25 Nov 2025	7	17.30	43.26	7.0	33.19	8.0	24.1	2.64
I40	25 Nov 2025	8	17.28	43.25	7.3	33.17	8.0	24.0	2.56
I40	25 Nov 2025	9	17.28	40.86	7.7	33.16	8.0	24.0	2.46
I40	25 Nov 2025	10	17.32	35.92	7.5	33.19	8.0	24.1	2.47
I24	03 Nov 2025	1	17.56	70.84	8.0	33.25	8.0	24.0	0.97
I24	03 Nov 2025	2	17.48	70.92	7.9	33.25	8.0	24.1	1.03
I24	03 Nov 2025	3	17.14	69.14	8.0	33.26	8.0	24.1	1.51
I24	03 Nov 2025	4	17.00	66.52	7.9	33.26	8.0	24.2	2.45
I24	03 Nov 2025	5	16.71	64.73	7.6	33.26	8.0	24.2	2.08
I24	03 Nov 2025	6	16.57	64.99	7.5	33.26	8.0	24.3	1.75
I24	03 Nov 2025	7	16.47	70.77	7.4	33.25	8.0	24.3	1.48
I24	03 Nov 2025	8	16.30	71.35	7.3	33.25	8.0	24.3	1.33
I24	03 Nov 2025	9	16.08	74.79	7.1	33.26	8.0	24.4	1.13
I24	03 Nov 2025	10	15.92	72.95	6.9	33.27	7.9	24.4	1.23
I24	10 Nov 2025	1	17.09	88.48	8.4	33.33	8.1	24.2	0.93
I24	10 Nov 2025	2	17.06	88.65	8.3	33.32	8.1	24.2	0.93
I24	10 Nov 2025	3	16.96	88.61	8.2	33.32	8.1	24.2	1.02
I24	10 Nov 2025	4	16.68	88.07	8.0	33.31	8.1	24.3	1.23
I24	10 Nov 2025	5	16.10	87.45	7.7	33.30	8.1	24.4	1.26
I24	10 Nov 2025	6	15.63	84.45	7.5	33.30	8.0	24.5	1.31
I24	10 Nov 2025	7	15.49	80.98	7.4	33.30	8.0	24.6	1.31
I24	10 Nov 2025	8	15.44	81.11	7.2	33.29	8.0	24.6	1.60
I24	10 Nov 2025	9	15.17	78.22	7.0	33.28	8.0	24.6	1.90
I24	10 Nov 2025	10	14.83	75.51	6.8	33.29	8.0	24.7	1.72
I24	10 Nov 2025	11	14.78	73.39	6.6	33.30	8.0	24.7	1.43
I24	17 Nov 2025	1	17.42	60.81	8.0	33.20	8.1	24.0	1.31
I24	17 Nov 2025	2	17.41	60.85	8.0	33.20	8.1	24.0	1.22
I24	17 Nov 2025	3	17.39	60.36	8.0	33.20	8.1	24.0	1.25
I24	17 Nov 2025	4	17.39	60.09	8.0	33.20	8.1	24.0	1.44
I24	17 Nov 2025	5	17.36	60.54	8.0	33.21	8.1	24.1	1.68
I24	17 Nov 2025	6	17.34	60.71	8.0	33.22	8.1	24.1	1.91
I24	17 Nov 2025	7	17.33	62.34	8.0	33.23	8.1	24.1	1.69
I24	17 Nov 2025	8	17.33	64.78	8.0	33.23	8.1	24.1	1.59
I24	17 Nov 2025	9	17.31	65.69	8.0	33.23	8.1	24.1	1.65
I24	17 Nov 2025	10	17.27	68.02	7.8	33.23	8.1	24.1	1.52
I24	17 Nov 2025	11	17.26	65.78	7.8	33.22	8.1	24.1	1.38
I24	25 Nov 2025	1	17.53	77.81	7.9	33.15	8.1	24.0	1.01
I24	25 Nov 2025	2	17.53	77.55	7.8	33.15	8.1	24.0	0.96
I24	25 Nov 2025	3	17.46	77.25	7.8	33.15	8.1	24.0	1.14
I24	25 Nov 2025	4	17.38	77.07	7.8	33.15	8.1	24.0	1.71
I24	25 Nov 2025	5	17.35	76.46	7.8	33.14	8.1	24.0	2.11
I24	25 Nov 2025	6	17.32	76.04	7.8	33.14	8.1	24.0	2.34
I24	25 Nov 2025	7	17.31	75.80	7.8	33.14	8.1	24.0	2.25
I24	25 Nov 2025	8	17.31	75.00	7.7	33.14	8.1	24.0	2.14
I24	25 Nov 2025	9	17.31	75.10	7.7	33.14	8.1	24.0	2.07
I24	25 Nov 2025	10	17.31	74.90	7.7	33.14	8.1	24.0	2.07
I24	25 Nov 2025	11	17.31	74.60	7.7	33.14	8.1	24.0	2.10
I25	03 Nov 2025	1	17.56	72.49	8.1	33.26	8.0	24.0	1.33
I25	03 Nov 2025	2	17.53	72.30	8.0	33.26	8.0	24.1	1.35
I25	03 Nov 2025	3	16.88	72.31	8.0	33.26	8.0	24.2	1.52
I25	03 Nov 2025	4	16.65	76.65	7.8	33.25	8.0	24.3	1.88
I25	03 Nov 2025	5	16.32	84.28	7.4	33.26	8.0	24.3	1.66
I25	03 Nov 2025	6	16.18	85.41	7.1	33.26	8.0	24.4	1.24
I25	03 Nov 2025	7	16.00	80.10	6.9	33.26	7.9	24.4	0.99

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I25	03 Nov 2025	8	15.97	77.45	6.9	33.26	7.9	24.4	1.02
I25	03 Nov 2025	9	15.88	72.84	6.8	33.27	7.9	24.4	1.08
I25	10 Nov 2025	1	17.13	89.48	8.4	33.32	8.1	24.2	0.72
I25	10 Nov 2025	2	17.15	89.26	8.4	33.32	8.1	24.2	0.73
I25	10 Nov 2025	3	17.13	89.21	8.3	33.32	8.1	24.2	0.72
I25	10 Nov 2025	4	17.05	89.30	8.1	33.31	8.1	24.2	0.81
I25	10 Nov 2025	5	16.25	89.60	8.0	33.28	8.1	24.4	1.09
I25	10 Nov 2025	6	15.73	88.39	7.9	33.30	8.1	24.5	1.30
I25	10 Nov 2025	7	15.53	88.25	7.6	33.29	8.0	24.5	1.09
I25	10 Nov 2025	8	15.24	90.33	7.2	33.29	8.0	24.6	1.07
I25	10 Nov 2025	9	15.17	85.98	6.9	33.30	8.0	24.6	1.22
I25	17 Nov 2025	1	17.46	60.04	8.0	33.19	8.1	24.0	1.18
I25	17 Nov 2025	2	17.46	60.02	8.0	33.19	8.1	24.0	1.14
I25	17 Nov 2025	3	17.43	59.96	8.0	33.19	8.1	24.0	1.24
I25	17 Nov 2025	4	17.34	59.92	8.0	33.20	8.1	24.1	1.43
I25	17 Nov 2025	5	17.31	60.78	8.0	33.21	8.1	24.1	1.72
I25	17 Nov 2025	6	17.28	63.22	7.9	33.21	8.1	24.1	1.69
I25	17 Nov 2025	7	17.25	66.96	8.0	33.21	8.1	24.1	1.44
I25	17 Nov 2025	8	17.24	68.76	7.8	33.21	8.1	24.1	1.33
I25	17 Nov 2025	9	17.24	68.61	7.8	33.21	8.1	24.1	1.31
I25	25 Nov 2025	1	17.61	84.85	8.2	33.17	8.1	24.0	1.06
I25	25 Nov 2025	2	17.56	84.77	8.1	33.17	8.1	24.0	1.03
I25	25 Nov 2025	3	17.45	84.30	8.1	33.16	8.1	24.0	1.29
I25	25 Nov 2025	4	17.38	83.03	8.0	33.16	8.1	24.0	1.62
I25	25 Nov 2025	5	17.37	81.22	8.0	33.15	8.1	24.0	2.02
I25	25 Nov 2025	6	17.37	80.41	8.0	33.15	8.1	24.0	2.28
I25	25 Nov 2025	7	17.37	80.60	8.0	33.15	8.1	24.0	2.44
I25	25 Nov 2025	8	17.36	80.16	8.0	33.15	8.1	24.0	2.43
I25	25 Nov 2025	9	17.35	79.90	8.0	33.15	8.1	24.0	2.29
I39	03 Nov 2025	1	18.16	83.64	9.0	33.29	8.1	23.9	3.65
I39	03 Nov 2025	2	18.13	83.14	9.0	33.29	8.1	23.9	4.48
I39	03 Nov 2025	3	18.04	80.22	8.9	33.28	8.1	23.9	7.24
I39	03 Nov 2025	4	17.39	77.82	8.8	33.26	8.1	24.1	7.17
I39	03 Nov 2025	5	16.91	80.67	8.7	33.28	8.1	24.2	4.11
I39	03 Nov 2025	6	16.89	87.64	8.6	33.27	8.1	24.2	2.42
I39	03 Nov 2025	7	16.76	90.40	8.6	33.26	8.1	24.2	2.42
I39	03 Nov 2025	8	16.57	90.82	8.5	33.26	8.0	24.3	2.52
I39	03 Nov 2025	9	16.53	90.98	8.5	33.26	8.0	24.3	2.62
I39	03 Nov 2025	10	16.54	91.11	8.5	33.26	8.0	24.3	2.65
I39	03 Nov 2025	11	16.53	91.26	8.5	33.25	8.0	24.3	2.73
I39	03 Nov 2025	12	16.45	91.09	8.4	33.25	8.0	24.3	2.67
I39	03 Nov 2025	13	16.40	91.25	8.4	33.26	8.0	24.3	2.45
I39	03 Nov 2025	14	16.36	91.87	8.3	33.25	8.0	24.3	2.37
I39	03 Nov 2025	15	16.25	91.77	8.2	33.25	8.0	24.3	2.40
I39	03 Nov 2025	16	16.05	91.93	8.0	33.25	8.0	24.4	2.33
I39	03 Nov 2025	17	15.55	91.26	7.7	33.27	8.0	24.5	1.76
I39	03 Nov 2025	18	15.25	89.79	7.2	33.28	8.0	24.6	1.29
I39	10 Nov 2025	1	17.00	93.43	8.4	33.33	8.1	24.2	0.62
I39	10 Nov 2025	2	16.97	93.34	8.4	33.33	8.1	24.2	0.61
I39	10 Nov 2025	3	16.94	93.49	8.3	33.32	8.1	24.2	0.65
I39	10 Nov 2025	4	16.82	93.29	8.3	33.31	8.1	24.3	0.70
I39	10 Nov 2025	5	16.52	93.41	8.3	33.31	8.1	24.3	0.76
I39	10 Nov 2025	6	16.34	93.87	8.2	33.30	8.1	24.4	0.79
I39	10 Nov 2025	7	16.11	94.36	8.1	33.29	8.1	24.4	0.85
I39	10 Nov 2025	8	15.77	94.36	8.1	33.29	8.1	24.5	0.87
I39	10 Nov 2025	9	15.67	94.73	8.0	33.29	8.1	24.5	0.98
I39	10 Nov 2025	10	15.52	94.73	8.0	33.29	8.1	24.5	1.08
I39	10 Nov 2025	11	15.46	94.79	8.0	33.28	8.1	24.5	1.09
I39	10 Nov 2025	12	15.33	95.05	7.9	33.28	8.0	24.6	1.24
I39	10 Nov 2025	13	15.10	94.63	7.6	33.29	8.0	24.6	1.26
I39	10 Nov 2025	14	14.80	92.03	7.3	33.30	8.0	24.7	1.40
I39	10 Nov 2025	15	14.71	88.34	7.0	33.30	8.0	24.7	1.32
I39	10 Nov 2025	16	14.62	87.01	6.9	33.30	8.0	24.7	1.22
I39	10 Nov 2025	17	14.56	86.09	6.9	33.30	8.0	24.8	1.14
I39	10 Nov 2025	18	14.50	86.47	6.8	33.30	8.0	24.8	1.04
I39	17 Nov 2025	1	17.27	84.82	8.0	33.21	8.1	24.1	0.84
I39	17 Nov 2025	2	17.23	83.79	8.0	33.22	8.1	24.1	0.86
I39	17 Nov 2025	3	17.20	84.28	8.0	33.22	8.1	24.1	1.02

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I39	17 Nov 2025	4	17.19	84.11	8.0	33.22	8.1	24.1	1.21
I39	17 Nov 2025	5	17.19	84.35	8.0	33.22	8.1	24.1	1.37
I39	17 Nov 2025	6	17.19	84.62	8.0	33.22	8.1	24.1	1.49
I39	17 Nov 2025	7	17.18	85.31	8.0	33.22	8.1	24.1	1.55
I39	17 Nov 2025	8	17.18	85.42	8.0	33.22	8.1	24.1	1.53
I39	17 Nov 2025	9	17.18	85.59	8.0	33.22	8.1	24.1	1.51
I39	17 Nov 2025	10	17.18	85.75	8.0	33.22	8.1	24.1	1.43
I39	17 Nov 2025	11	17.18	86.12	8.0	33.22	8.1	24.1	1.41
I39	17 Nov 2025	12	17.18	86.62	8.0	33.22	8.1	24.1	1.41
I39	17 Nov 2025	13	17.18	86.54	8.0	33.22	8.1	24.1	1.36
I39	17 Nov 2025	14	17.18	86.68	8.0	33.22	8.1	24.1	1.32
I39	17 Nov 2025	15	17.18	86.81	8.0	33.22	8.1	24.1	1.28
I39	17 Nov 2025	16	17.17	87.39	8.0	33.22	8.1	24.1	1.24
I39	17 Nov 2025	17	17.17	87.76	8.0	33.22	8.1	24.1	1.17
I39	17 Nov 2025	18	17.17	87.96	8.0	33.22	8.1	24.1	1.15
I39	25 Nov 2025	1	17.37	89.12	8.1	33.16	8.1	24.0	1.11
I39	25 Nov 2025	2	17.38	89.07	8.1	33.16	8.1	24.0	1.07
I39	25 Nov 2025	3	17.37	89.11	8.1	33.16	8.1	24.0	1.21
I39	25 Nov 2025	4	17.37	88.72	8.1	33.16	8.1	24.0	1.37
I39	25 Nov 2025	5	17.37	89.05	8.1	33.16	8.1	24.0	1.62
I39	25 Nov 2025	6	17.34	89.06	8.1	33.16	8.1	24.0	1.73
I39	25 Nov 2025	7	17.34	88.87	8.1	33.17	8.1	24.0	1.87
I39	25 Nov 2025	8	17.35	89.11	8.1	33.18	8.1	24.0	1.90
I39	25 Nov 2025	9	17.41	89.64	8.1	33.21	8.1	24.0	1.88
I39	25 Nov 2025	10	17.51	90.74	8.0	33.25	8.1	24.1	1.60
I39	25 Nov 2025	11	17.55	92.04	8.0	33.28	8.1	24.1	1.32
I39	25 Nov 2025	12	17.53	94.72	7.9	33.29	8.1	24.1	1.04
I39	25 Nov 2025	13	17.52	95.63	7.9	33.29	8.1	24.1	1.02
I39	25 Nov 2025	14	17.50	95.46	7.9	33.29	8.1	24.1	1.01
I39	25 Nov 2025	15	17.41	95.25	7.8	33.28	8.1	24.1	1.07
I39	25 Nov 2025	16	17.35	93.00	7.7	33.28	8.1	24.1	1.19
I39	25 Nov 2025	17	17.33	87.30	7.7	33.27	8.1	24.1	1.20
I39	25 Nov 2025	18	17.31	84.34	7.6	33.27	8.1	24.1	1.14
I26	03 Nov 2025	1	18.02	75.00	8.6	33.28	8.1	24.0	1.94
I26	03 Nov 2025	2	17.43	77.09	8.7	33.26	8.1	24.1	2.59
I26	03 Nov 2025	3	16.80	77.23	8.7	33.26	8.1	24.2	4.19
I26	03 Nov 2025	4	16.54	84.88	8.7	33.26	8.1	24.3	3.04
I26	03 Nov 2025	5	16.47	88.88	8.5	33.26	8.1	24.3	2.91
I26	03 Nov 2025	6	16.17	87.94	7.9	33.26	8.0	24.4	2.57
I26	03 Nov 2025	7	16.02	76.08	7.5	33.26	8.0	24.4	1.62
I26	03 Nov 2025	8	15.98	72.24	7.4	33.26	8.0	24.4	1.56
I26	03 Nov 2025	9	15.98	71.20	7.3	33.26	8.0	24.4	1.40
I26	10 Nov 2025	1	17.21	88.38	8.4	33.32	8.1	24.2	0.80
I26	10 Nov 2025	2	17.19	88.76	8.4	33.32	8.1	24.2	0.81
I26	10 Nov 2025	3	17.05	88.76	8.4	33.32	8.1	24.2	0.86
I26	10 Nov 2025	4	16.79	89.06	8.3	33.31	8.1	24.3	1.01
I26	10 Nov 2025	5	16.23	90.82	8.2	33.30	8.1	24.4	1.09
I26	10 Nov 2025	6	15.75	93.39	8.1	33.29	8.1	24.5	0.93
I26	10 Nov 2025	7	15.59	93.97	7.9	33.29	8.1	24.5	0.89
I26	10 Nov 2025	8	15.33	93.44	7.6	33.29	8.0	24.6	0.90
I26	10 Nov 2025	9	15.24	91.52	7.4	33.29	8.0	24.6	0.87
I26	17 Nov 2025	1	17.37	54.85	7.8	33.12	8.1	24.0	1.08
I26	17 Nov 2025	2	17.35	54.84	7.8	33.12	8.1	24.0	1.07
I26	17 Nov 2025	3	17.27	54.00	7.9	33.13	8.1	24.0	1.34
I26	17 Nov 2025	4	17.25	53.30	7.9	33.14	8.1	24.0	1.88
I26	17 Nov 2025	5	17.23	53.98	7.8	33.14	8.1	24.0	2.05
I26	17 Nov 2025	6	17.22	55.47	7.8	33.15	8.1	24.0	1.75
I26	17 Nov 2025	7	17.22	57.40	7.8	33.15	8.1	24.0	1.41
I26	17 Nov 2025	8	17.22	59.19	7.9	33.15	8.1	24.0	1.29
I26	17 Nov 2025	9	17.21	61.40	7.7	33.15	8.1	24.0	1.20
I26	25 Nov 2025	1	17.70	86.54	8.2	33.18	8.1	24.0	1.02
I26	25 Nov 2025	2	17.55	86.33	8.3	33.18	8.1	24.0	1.07
I26	25 Nov 2025	3	17.47	85.61	8.3	33.18	8.1	24.0	1.34
I26	25 Nov 2025	4	17.46	85.48	8.2	33.18	8.1	24.0	1.40
I26	25 Nov 2025	5	17.46	85.42	8.1	33.20	8.1	24.0	1.54
I26	25 Nov 2025	6	17.43	85.67	7.9	33.21	8.1	24.0	1.72
I26	25 Nov 2025	7	17.41	82.35	7.8	33.21	8.1	24.0	1.75
I26	25 Nov 2025	8	17.39	78.88	7.7	33.21	8.1	24.0	1.95
I26	25 Nov 2025	9	17.39	76.41	7.6	33.21	8.1	24.0	1.95

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I32	03 Nov 2025	1	18.11	77.93	8.9	33.28	8.1	23.9	3.10
I32	03 Nov 2025	2	18.04	77.53	9.0	33.29	8.1	24.0	3.48
I32	03 Nov 2025	3	18.00	76.97	8.9	33.28	8.1	24.0	4.55
I32	03 Nov 2025	4	17.44	76.75	9.0	33.27	8.1	24.1	6.66
I32	03 Nov 2025	5	17.25	77.71	8.8	33.27	8.1	24.1	7.48
I32	03 Nov 2025	6	16.94	76.64	8.3	33.27	8.0	24.2	5.26
I32	03 Nov 2025	7	16.83	71.40	8.1	33.27	8.0	24.2	3.39
I32	03 Nov 2025	8	16.82	69.05	8.0	33.27	8.0	24.2	2.76
I32	03 Nov 2025	9	16.80	68.45	7.9	33.27	8.0	24.2	2.61
I32	03 Nov 2025	10	16.49	68.90	7.5	33.26	8.0	24.3	2.54
I32	10 Nov 2025	1	16.87	83.14	8.5	33.32	8.1	24.3	1.70
I32	10 Nov 2025	2	16.88	82.91	8.4	33.32	8.1	24.3	1.66
I32	10 Nov 2025	3	16.84	82.79	8.3	33.31	8.1	24.3	1.64
I32	10 Nov 2025	4	16.17	83.01	8.1	33.30	8.1	24.4	1.71
I32	10 Nov 2025	5	15.83	81.33	7.8	33.30	8.0	24.5	1.68
I32	10 Nov 2025	6	15.39	79.45	7.8	33.29	8.0	24.6	1.86
I32	10 Nov 2025	7	15.24	82.27	7.7	33.29	8.0	24.6	1.83
I32	10 Nov 2025	8	15.13	85.31	7.6	33.29	8.0	24.6	1.79
I32	10 Nov 2025	9	14.99	86.08	7.5	33.29	8.0	24.7	1.72
I32	10 Nov 2025	10	14.97	80.27	7.4	33.29	8.0	24.7	1.82
I32	17 Nov 2025	1	17.24	64.09	8.0	33.03	8.1	23.9	0.78
I32	17 Nov 2025	2	17.16	63.74	8.0	33.03	8.1	24.0	0.73
I32	17 Nov 2025	3	17.04	62.69	8.0	33.03	8.1	24.0	1.20
I32	17 Nov 2025	4	16.96	61.14	8.0	33.03	8.1	24.0	2.39
I32	17 Nov 2025	5	16.95	59.59	8.0	33.03	8.1	24.0	2.56
I32	17 Nov 2025	6	16.96	59.28	7.9	33.04	8.1	24.0	2.09
I32	17 Nov 2025	7	16.94	60.15	7.9	33.04	8.1	24.0	1.91
I32	17 Nov 2025	8	16.91	61.12	7.9	33.04	8.1	24.0	1.65
I32	17 Nov 2025	9	16.91	63.00	7.9	33.04	8.1	24.0	1.31
I32	17 Nov 2025	10	16.92	64.09	7.8	33.05	8.1	24.0	1.15
I32	25 Nov 2025	1	17.65	85.57	8.4	33.16	8.1	24.0	1.16
I32	25 Nov 2025	2	17.46	84.79	8.4	33.17	8.1	24.0	1.32
I32	25 Nov 2025	3	17.41	82.47	8.4	33.16	8.1	24.0	1.74
I32	25 Nov 2025	4	17.37	77.90	8.3	33.15	8.1	24.0	2.29
I32	25 Nov 2025	5	17.33	73.33	8.3	33.14	8.1	24.0	3.09
I32	25 Nov 2025	6	17.31	70.07	8.3	33.14	8.1	24.0	3.52
I32	25 Nov 2025	7	17.25	66.60	8.3	33.13	8.1	24.0	3.57
I32	25 Nov 2025	8	17.20	62.85	8.2	33.12	8.1	24.0	3.43
I32	25 Nov 2025	9	17.17	60.56	8.1	33.12	8.1	24.0	3.21
I32	25 Nov 2025	10	17.11	56.73	8.0	33.12	8.0	24.0	2.77

NA = not available

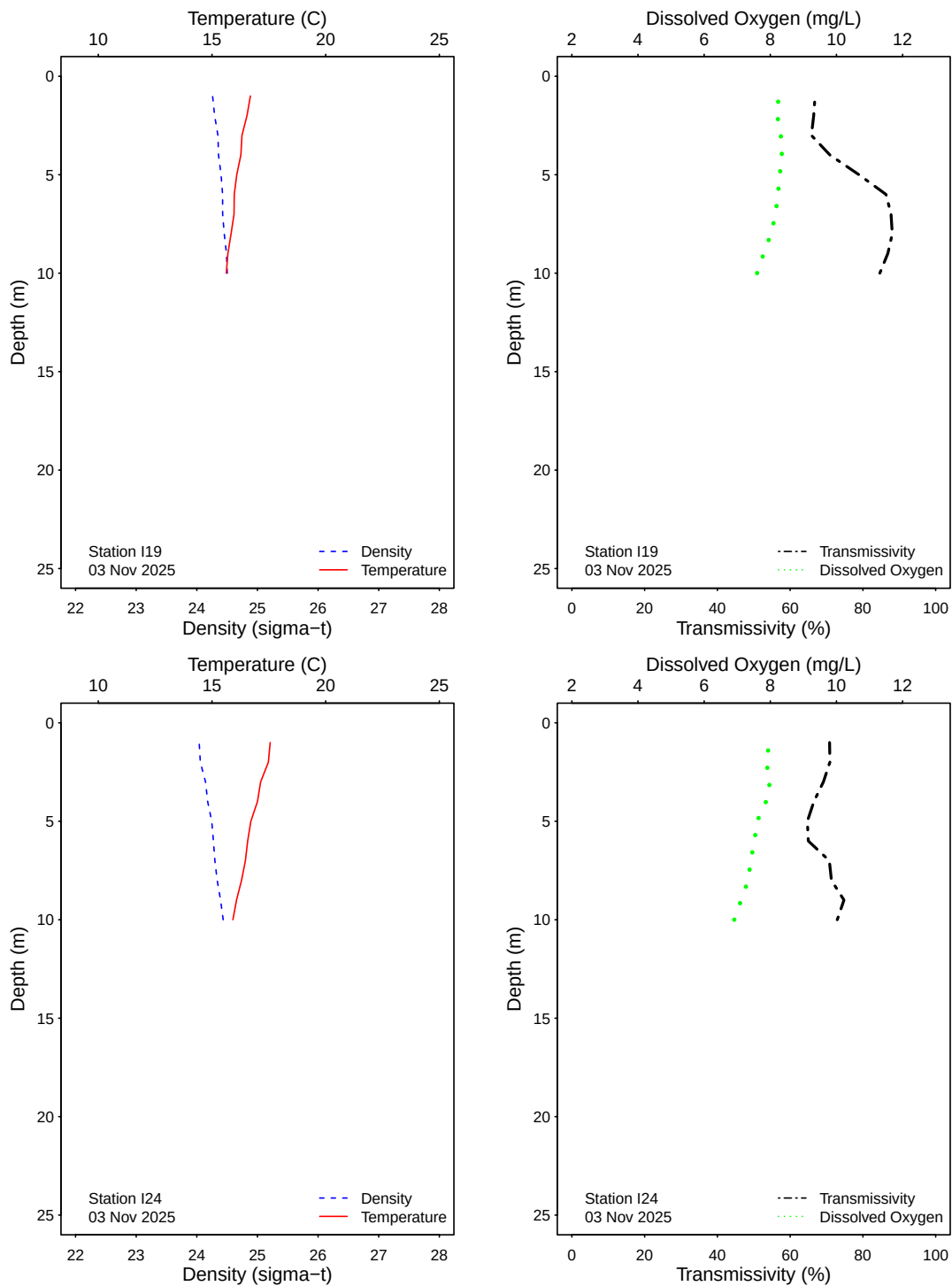


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

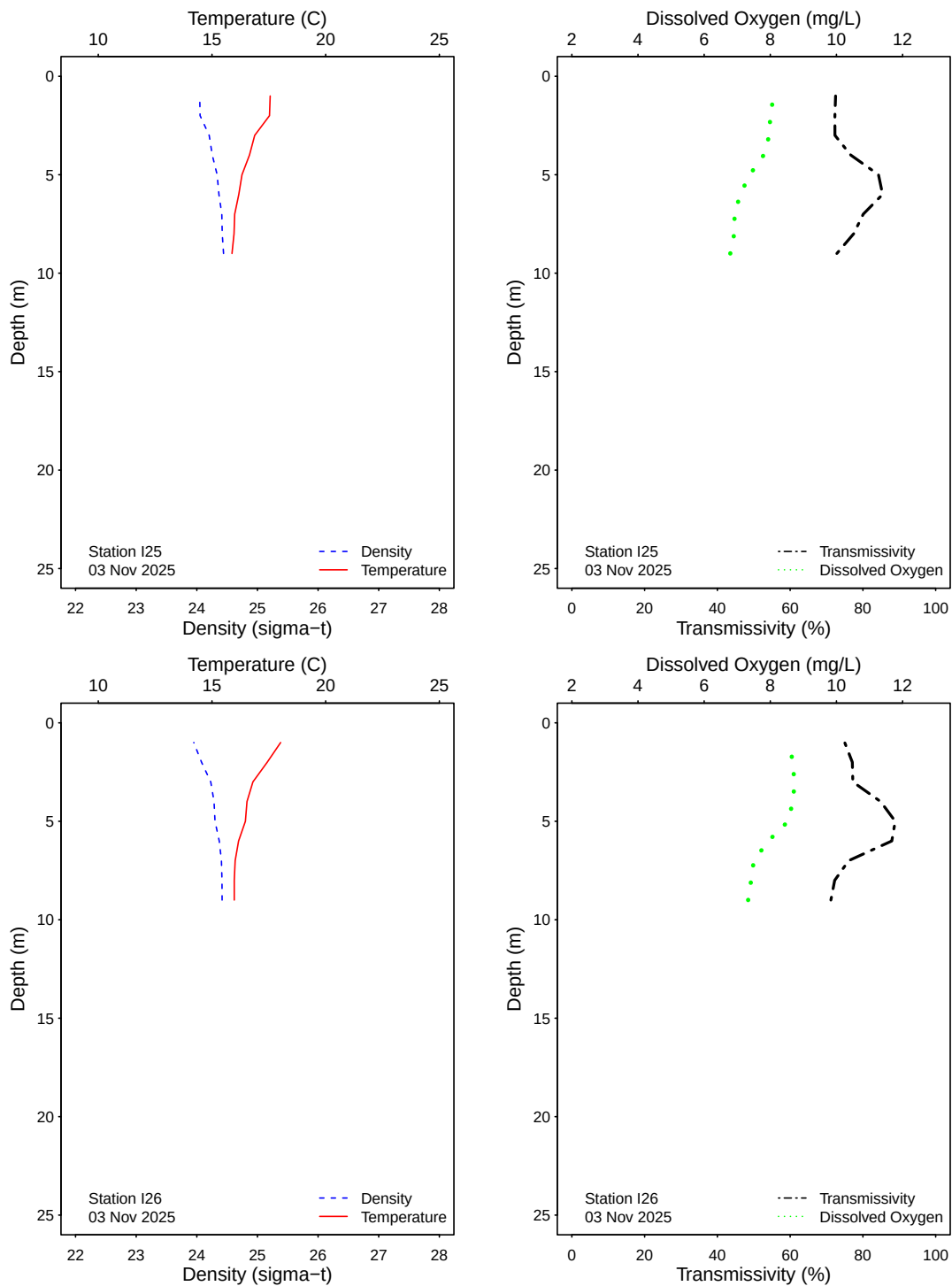


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

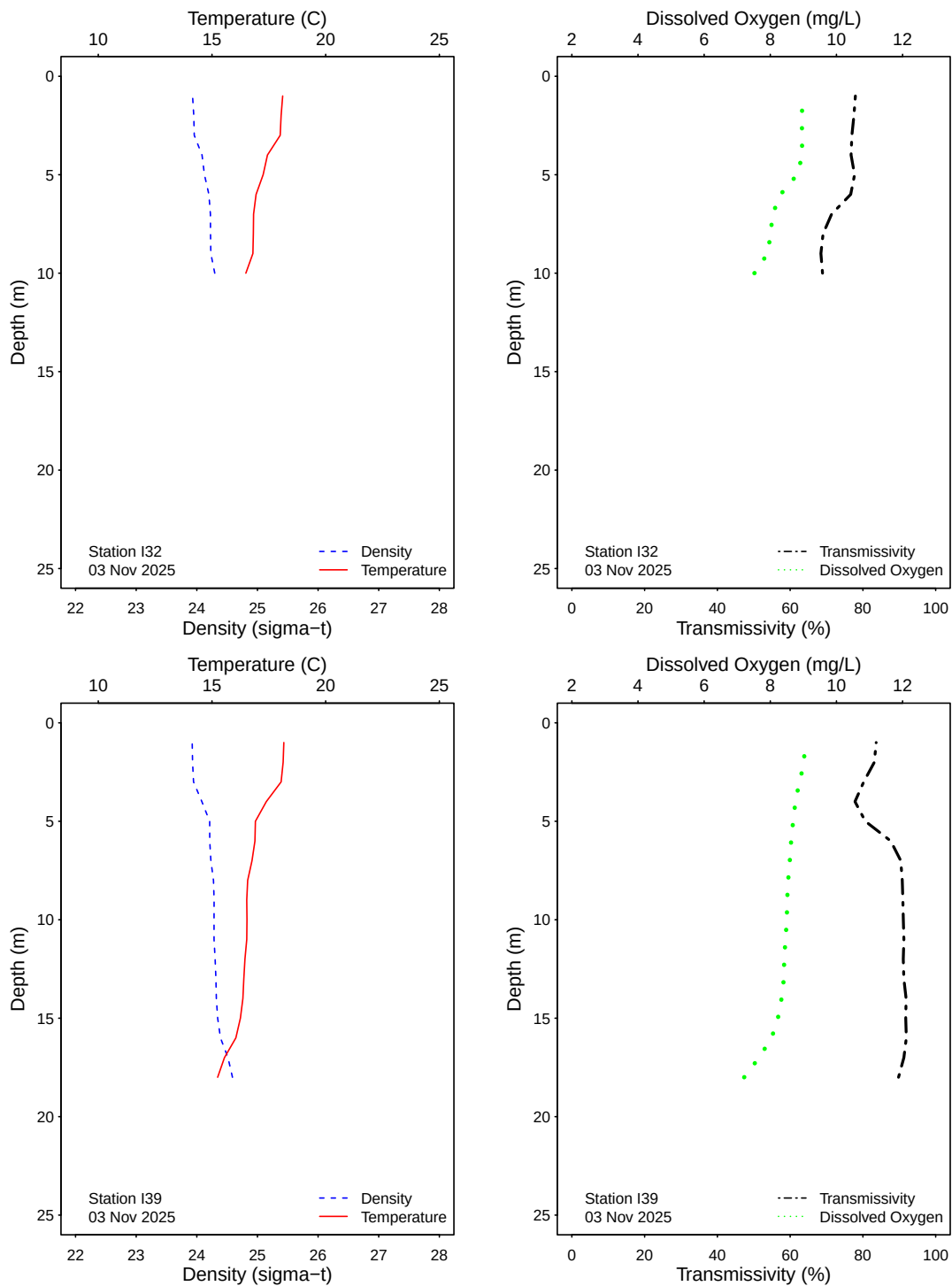


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

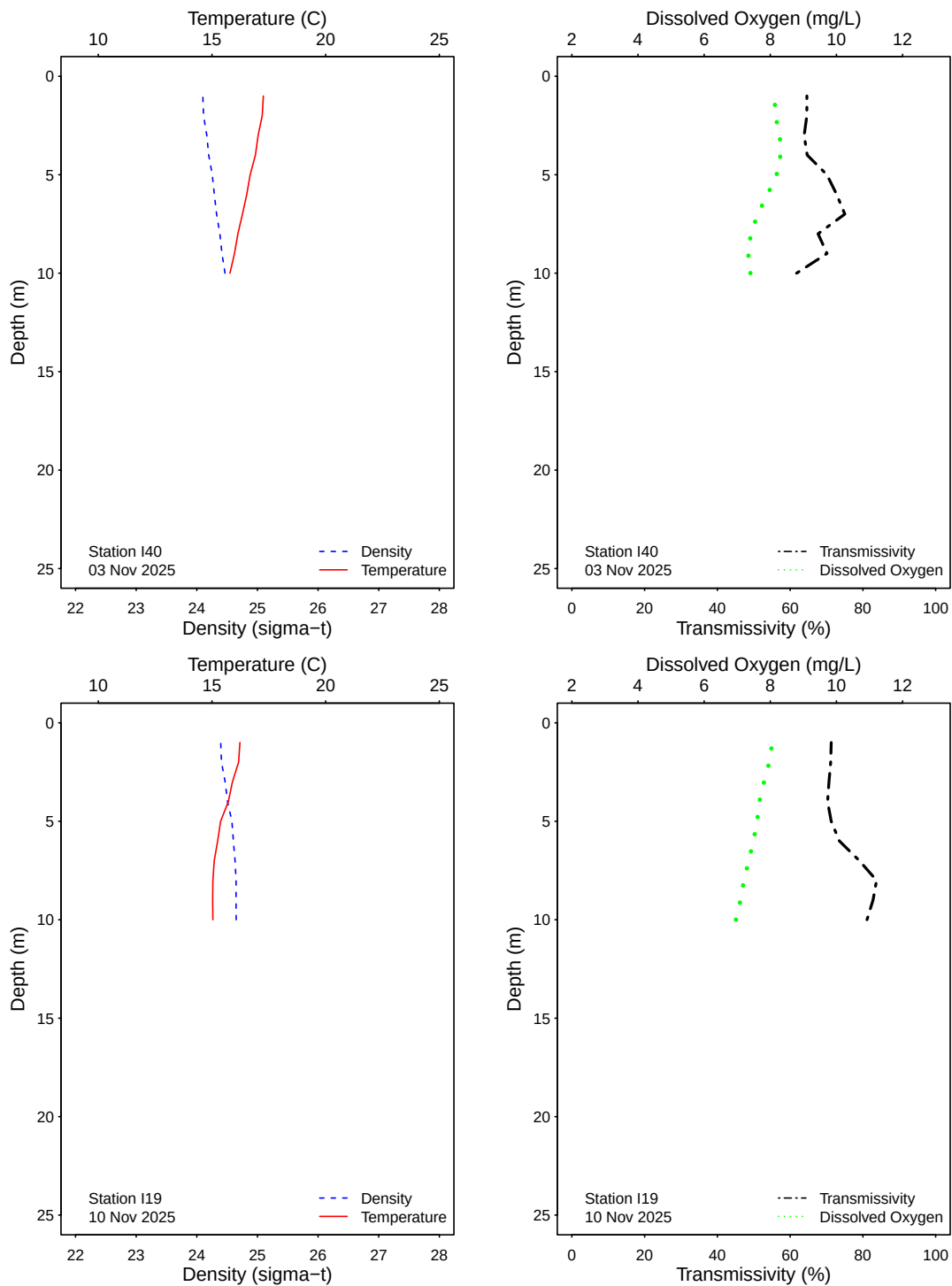


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

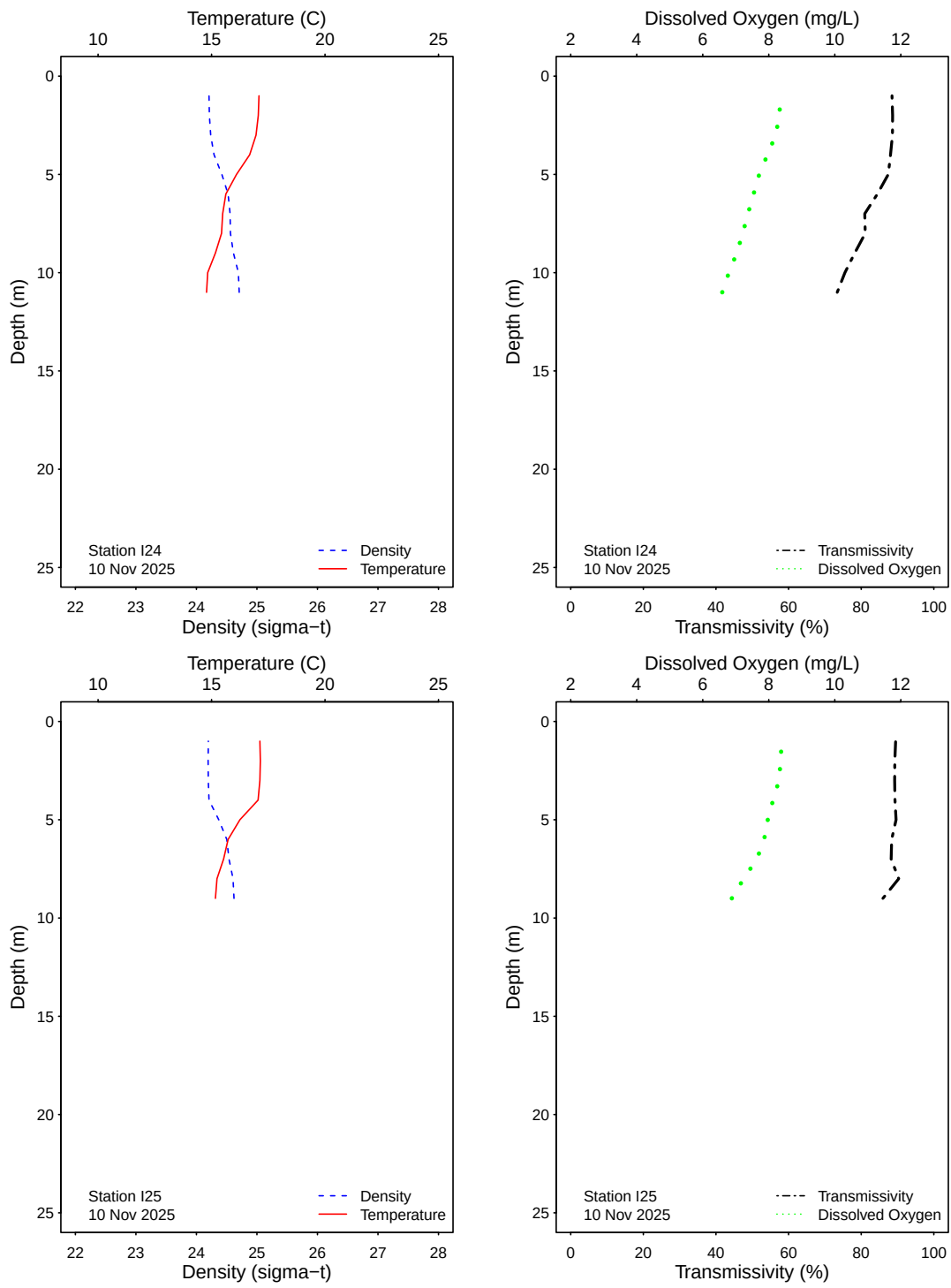


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

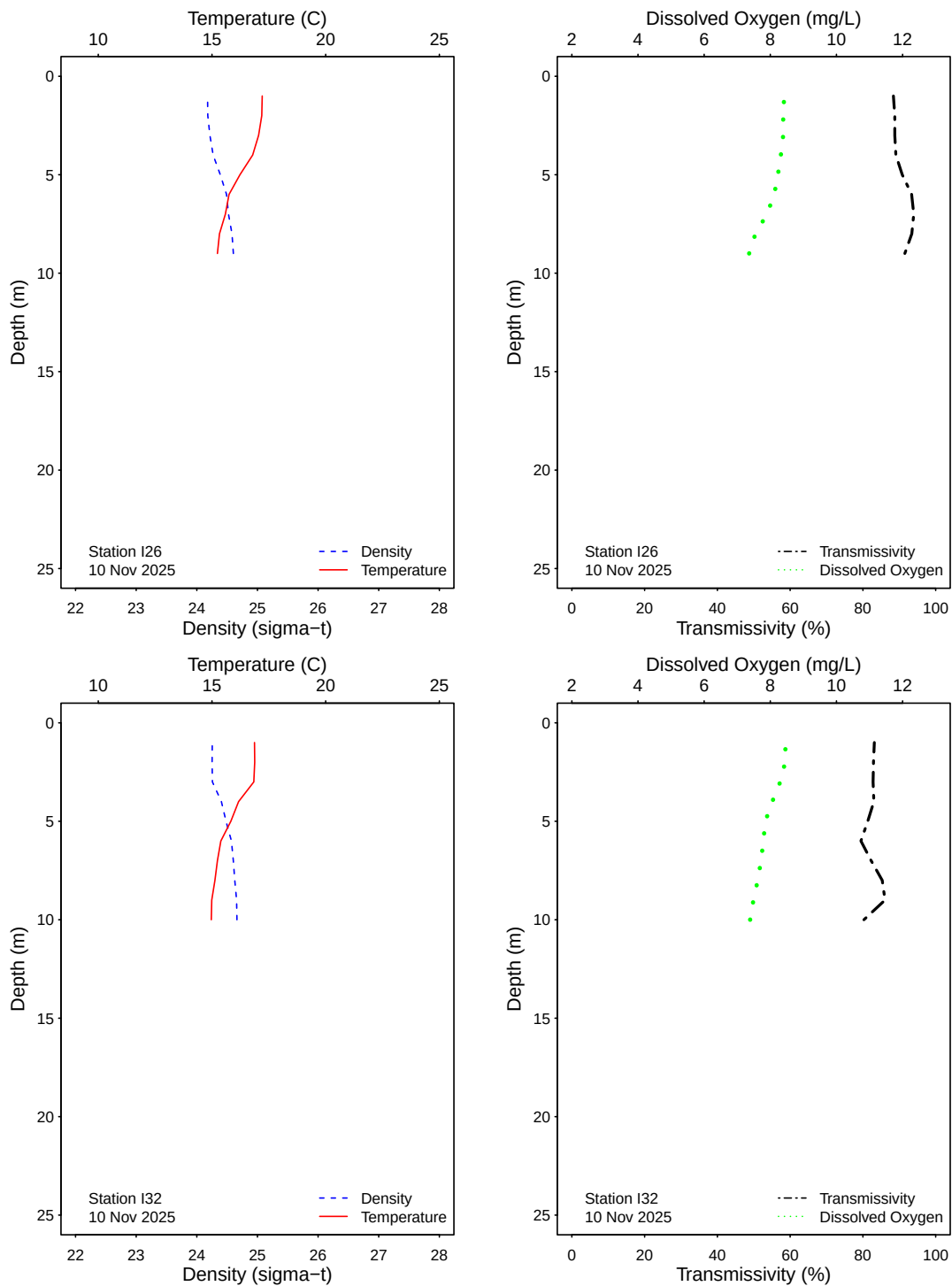


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

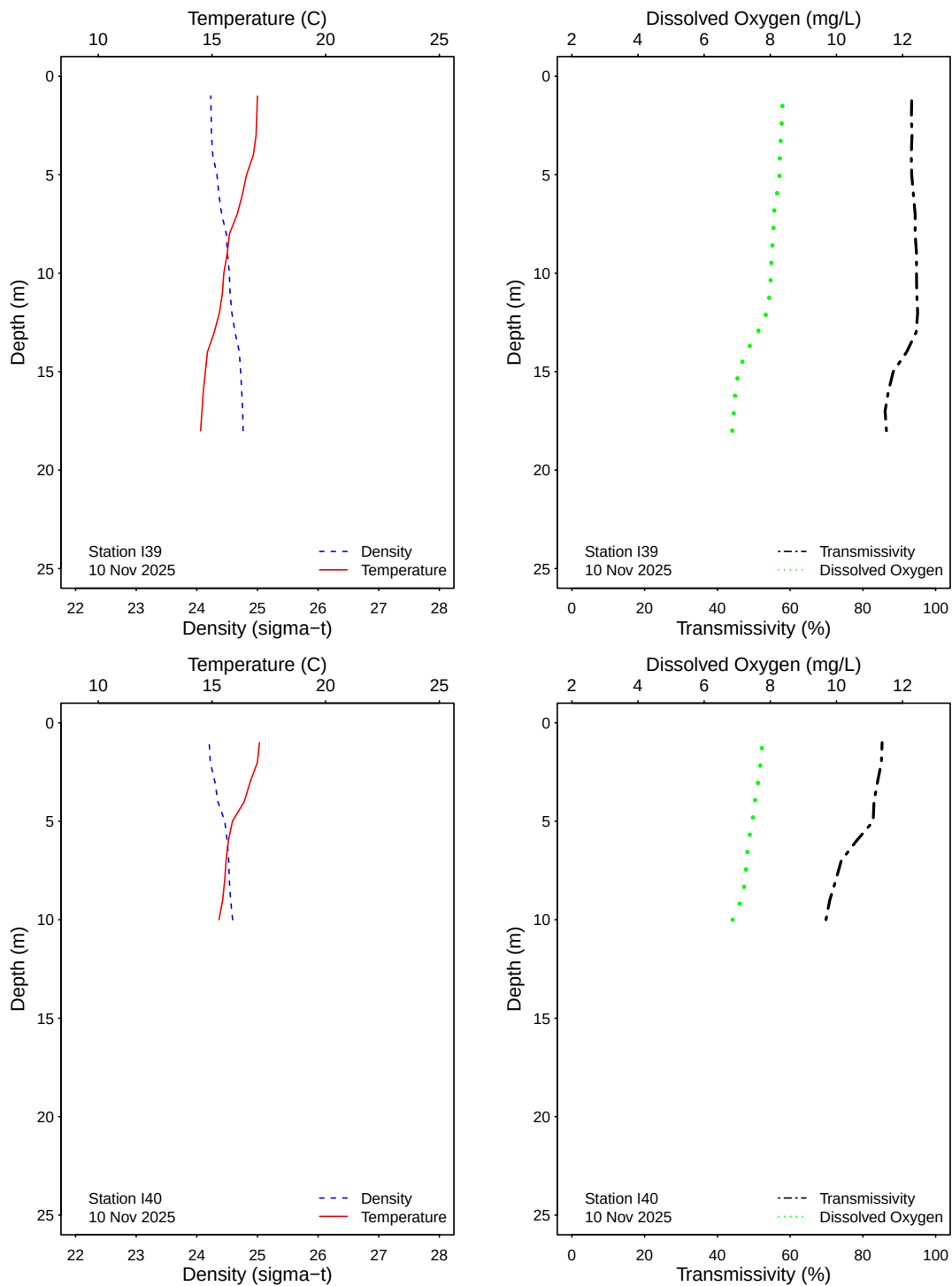


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

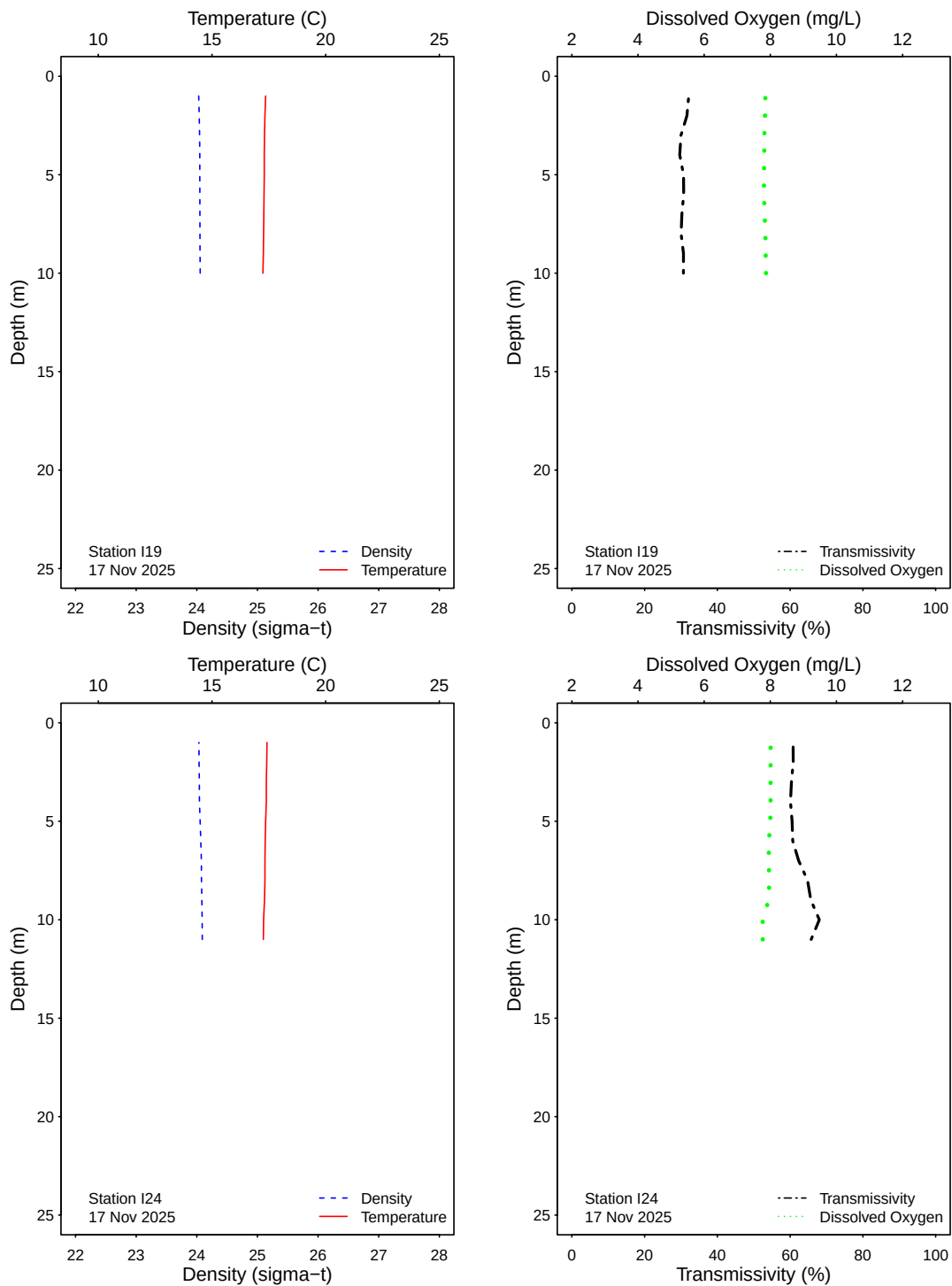


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

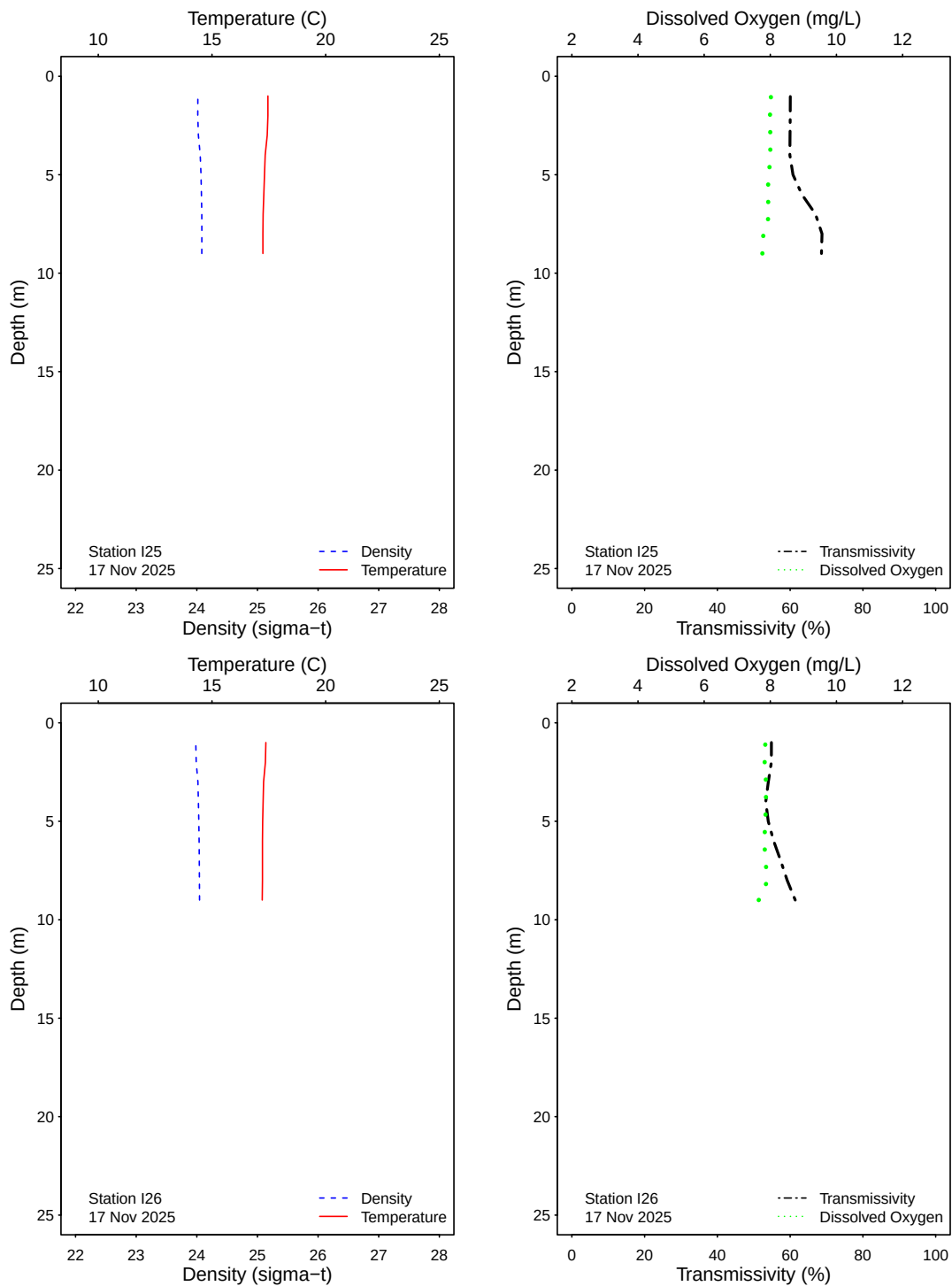


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

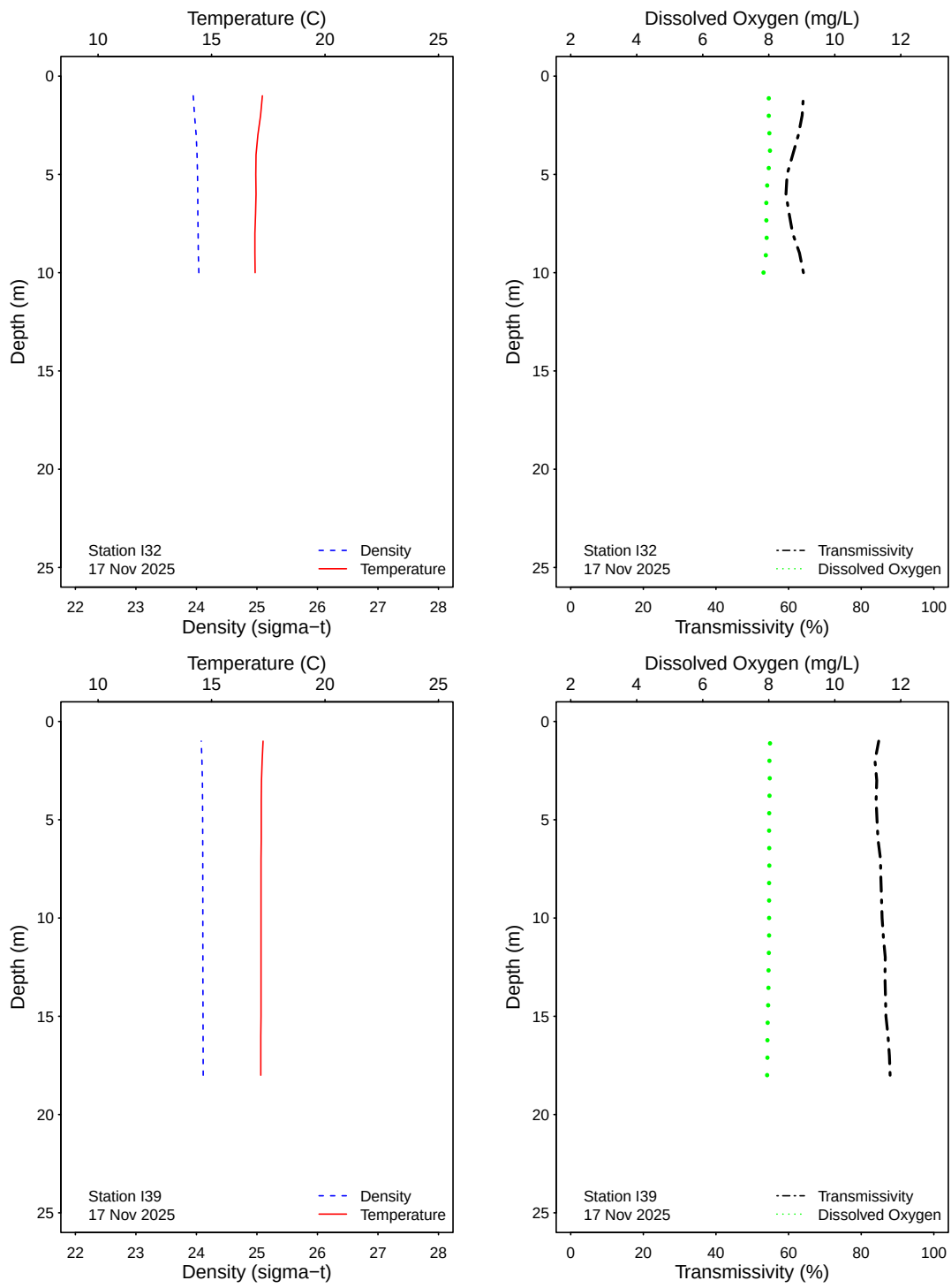


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

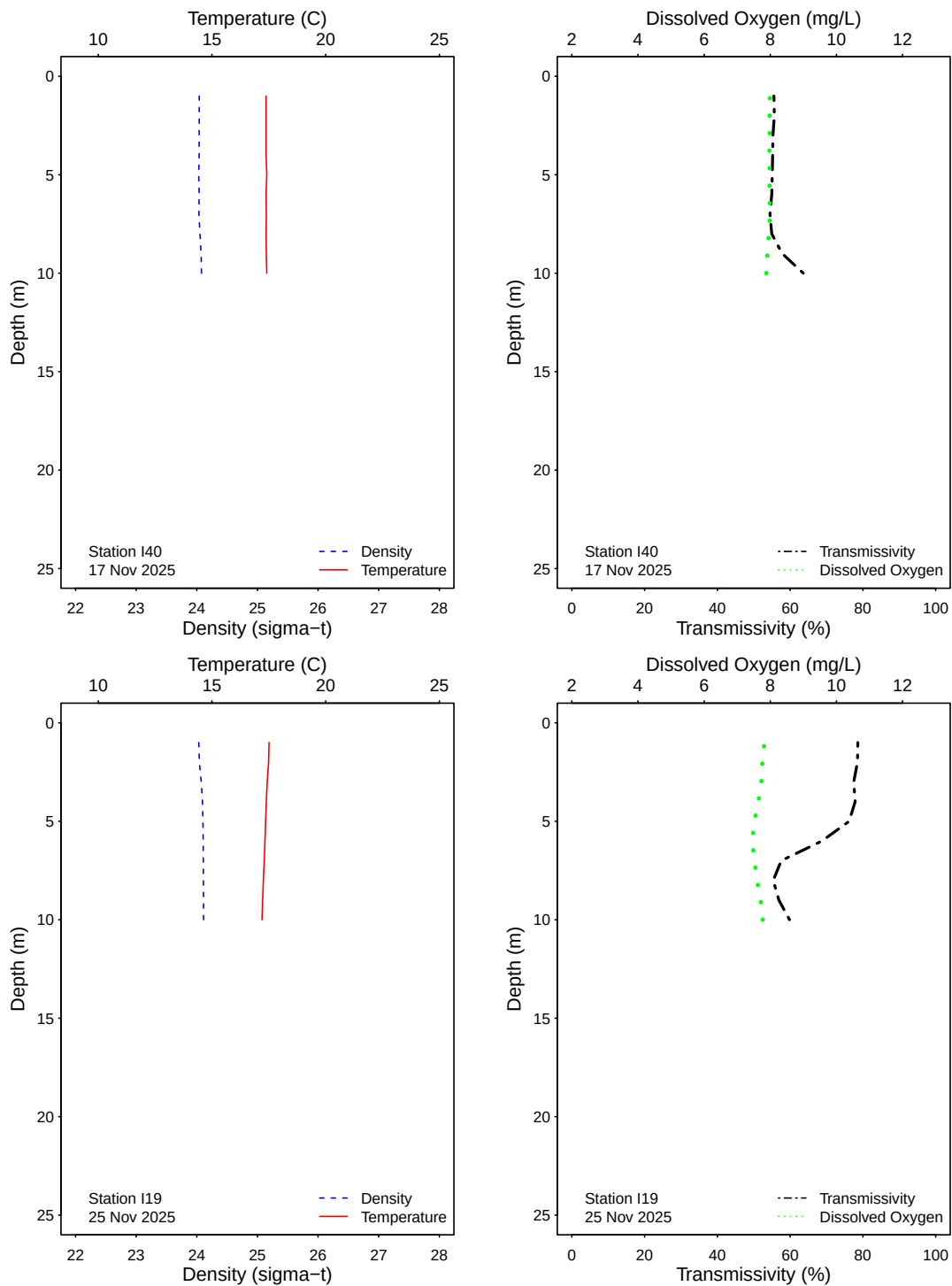


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

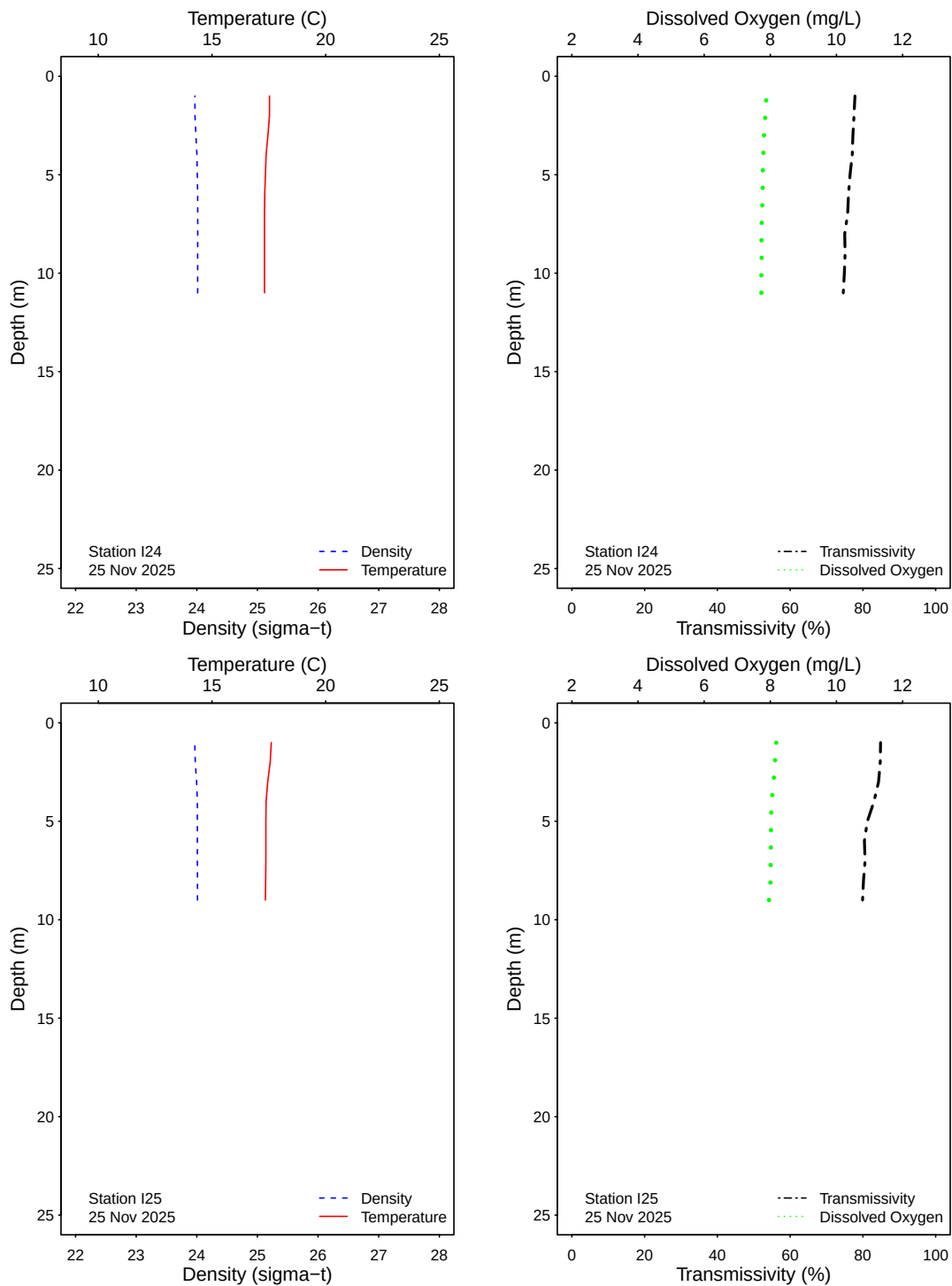


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

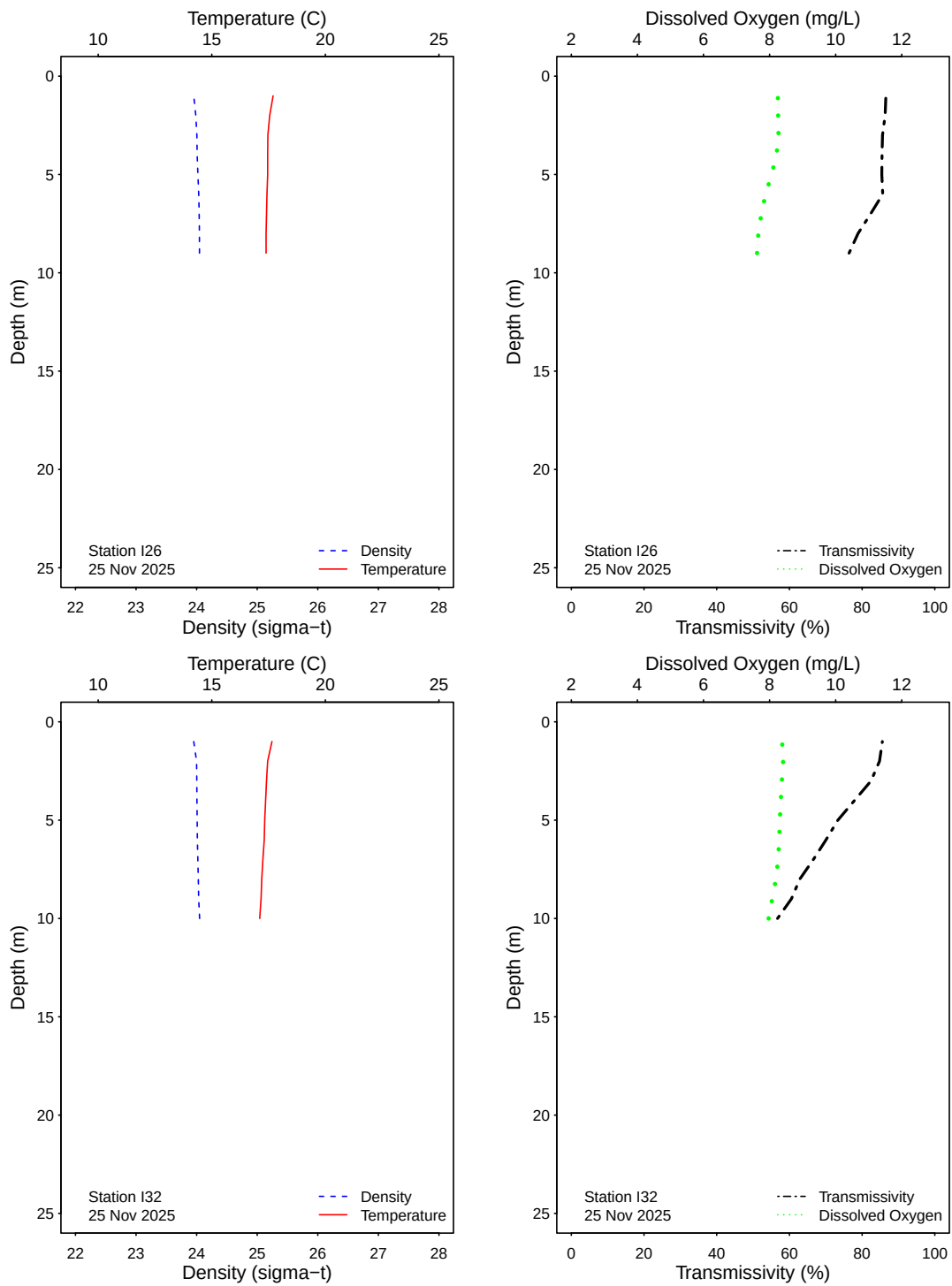


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

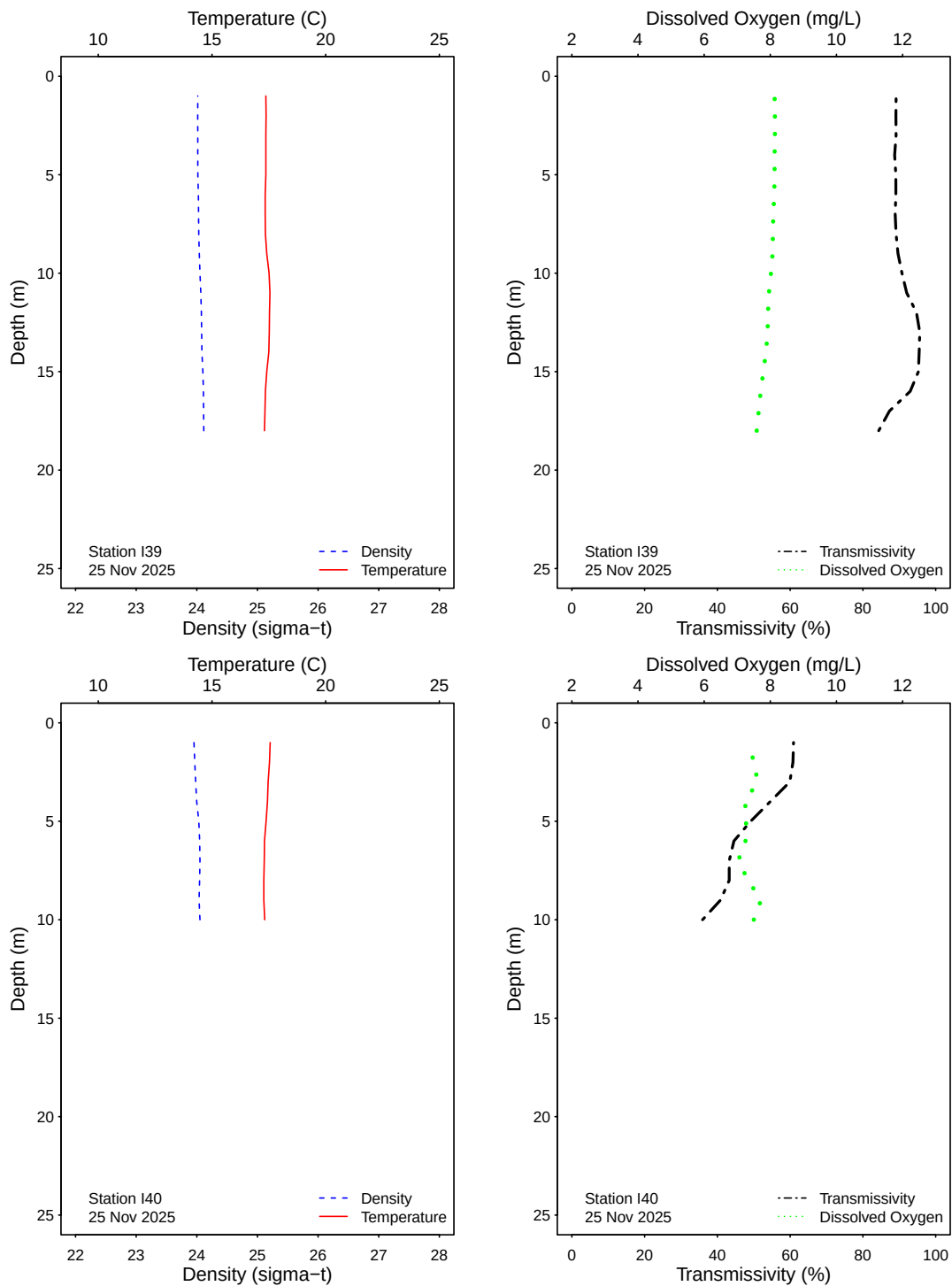


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

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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
05 Nov 2025	IC	IC	IC	IC	IC	IC	ns	ns	ns	ns
06 Nov 2025	ns	ns	ns	ns	ns	ns	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 4.2

Summary of compliance 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
November	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	E	2m	18m	27m	2m	18m	27m	2m	12m	18m	2m	18m	27m	2m	12m	18m	2m	18m	27m	2m	6m	11m	2m	6m	11m	2m	6m	11m
November	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
ND = no data

Table 4.4

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

Station	Date	Time	Depth	Total	Fecal	Entero
I10	04 Nov 2025	1051	2	<2	<2	2e
I10	04 Nov 2025	1051	12	160e	34e	2e
I10	04 Nov 2025	1051	18	30e	12e	<2
I11	04 Nov 2025	1035	2	<2	<2	<2
I11	04 Nov 2025	1035	6	<2	<2	<2
I11	04 Nov 2025	1035	11	20e	4e	<2
I12	05 Nov 2025	1024	2	<2	<2	<2
I12	05 Nov 2025	1024	18	840	98	44
I12	05 Nov 2025	1024	27	4e	<2	<2
I13	05 Nov 2025	1050	2	<2	<2	<2
I13	05 Nov 2025	1050	18	160e	46	30e
I13	05 Nov 2025	1050	37	6e	<2	2e
I14	05 Nov 2025	1105	2	<2	12e	<2
I14	05 Nov 2025	1105	18	18e	2e	<2
I14	05 Nov 2025	1105	27	8e	<2	<2
I16	05 Nov 2025	943	2	2e	<2	<2
I16	05 Nov 2025	943	18	<2	<2	2e
I16	05 Nov 2025	943	27	6e	2e	<2
I18	05 Nov 2025	925	2	<2	<2	<2
I18	05 Nov 2025	925	12	<2	4e	<2
I18	05 Nov 2025	925	18	2e	2e	<2
I20	05 Nov 2025	806	2	<2	<2	<2
I20	05 Nov 2025	806	18	<2	<2	<2
I20	05 Nov 2025	806	55	<2	2e	<2
I21	05 Nov 2025	830	2	<2	4e	<2
I21	05 Nov 2025	830	18	2e	2e	<2
I21	05 Nov 2025	830	37	8e	4e	<2
I22	05 Nov 2025	902	2	2e	4e	<2
I22	05 Nov 2025	902	18	8e	4e	2e
I22	05 Nov 2025	902	27	4e	4e	<2
I23	05 Nov 2025	914	2	<2	<2	<2
I23	05 Nov 2025	914	12	<2	4e	<2
I23	05 Nov 2025	914	18	<2	4e	<2
I3	04 Nov 2025	945	2	<2	<2	<2
I3	04 Nov 2025	945	18	<2	<2	<2
I3	04 Nov 2025	945	27	<2	<2	<2
I30	06 Nov 2025	847	2	<2	<2	<2
I30	06 Nov 2025	847	18	4e	<2	2e
I30	06 Nov 2025	847	27	4e	<2	<2

Station	Date	Time	Depth	Total	Fecal	Entero
I33	06 Nov 2025	801	2	<2	<2	<2
I33	06 Nov 2025	801	18	<2	<2	<2
I33	06 Nov 2025	801	27	2e	<2	<2
I36	06 Nov 2025	921	2	<2	<2	<2
I36	06 Nov 2025	921	6	<20	<2	<2
I36	06 Nov 2025	921	11	2e	<2	<2
I37	06 Nov 2025	738	2	2e	<2	<2
I37	06 Nov 2025	738	6	2e	<2	<2
I37	06 Nov 2025	738	11	2e	<2	<2
I38	06 Nov 2025	945	2	<2	<2	<2
I38	06 Nov 2025	945	6	<2	<2	<2
I38	06 Nov 2025	945	11	2e	4e	12e
I5	04 Nov 2025	1006	2	240e	34e	16e
I5	04 Nov 2025	1006	6	980	110	46
I5	04 Nov 2025	1006	11	1400	76	64
I7	04 Nov 2025	840	2	<2	<2	<2
I7	04 Nov 2025	840	18	<2	<2	<2
I7	04 Nov 2025	840	52	<2	4e	<2
I8	04 Nov 2025	1116	2	<2	<2	<2
I8	04 Nov 2025	1116	18	440	94	26e
I8	04 Nov 2025	1116	37	6e	<2	<2
I9	04 Nov 2025	1104	2	<2	<2	<2
I9	04 Nov 2025	1104	18	11000	1400e	660
I9	04 Nov 2025	1104	27	24e	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	04 Nov 2025	Arrive Time	945
I3	04 Nov 2025	Depart Time	953
I3	04 Nov 2025	Air Temp (C)	17.4
I3	04 Nov 2025	Visibility (mi)	10
I3	04 Nov 2025	Wind Speed (kts)	1.6
I3	04 Nov 2025	Wind Dir	W
I3	04 Nov 2025	Sea State	Regular Swell
I3	04 Nov 2025	High Tide Time	724
I3	04 Nov 2025	Low Tide Time	1406
I3	04 Nov 2025	Comments	
I5	04 Nov 2025	Arrive Time	1006
I5	04 Nov 2025	Depart Time	1011
I5	04 Nov 2025	Air Temp (C)	17.1
I5	04 Nov 2025	Visibility (mi)	10
I5	04 Nov 2025	Wind Speed (kts)	3
I5	04 Nov 2025	Wind Dir	W
I5	04 Nov 2025	Sea State	Regular Swell
I5	04 Nov 2025	High Tide Time	724
I5	04 Nov 2025	Low Tide Time	1406
I5	04 Nov 2025	Comments	
I9	04 Nov 2025	Arrive Time	1104
I9	04 Nov 2025	Depart Time	1109
I9	04 Nov 2025	Air Temp (C)	17.4
I9	04 Nov 2025	Visibility (mi)	10
I9	04 Nov 2025	Wind Speed (kts)	0
I9	04 Nov 2025	Wind Dir	N
I9	04 Nov 2025	Sea State	Regular Swell
I9	04 Nov 2025	High Tide Time	724
I9	04 Nov 2025	Low Tide Time	1406
I9	04 Nov 2025	Comments	
I11	04 Nov 2025	Arrive Time	1035
I11	04 Nov 2025	Depart Time	1041
I11	04 Nov 2025	Air Temp (C)	17.3
I11	04 Nov 2025	Visibility (mi)	10
I11	04 Nov 2025	Wind Speed (kts)	0
I11	04 Nov 2025	Wind Dir	N
I11	04 Nov 2025	Sea State	Regular Swell
I11	04 Nov 2025	High Tide Time	724
I11	04 Nov 2025	Low Tide Time	1406
I11	04 Nov 2025	Comments	
I10	04 Nov 2025	Arrive Time	1051
I10	04 Nov 2025	Depart Time	1057
I10	04 Nov 2025	Air Temp (C)	17.6
I10	04 Nov 2025	Visibility (mi)	10
I10	04 Nov 2025	Wind Speed (kts)	0.1
I10	04 Nov 2025	Wind Dir	N
I10	04 Nov 2025	Sea State	Regular Swell
I10	04 Nov 2025	High Tide Time	724
I10	04 Nov 2025	Low Tide Time	1406
I10	04 Nov 2025	Comments	
I7	04 Nov 2025	Arrive Time	840

Station	Date	Parameter	Value
17	04 Nov 2025	Depart Time	847
17	04 Nov 2025	Air Temp (C)	16.9
17	04 Nov 2025	Visibility (mi)	10
17	04 Nov 2025	Wind Speed (kts)	2.1
17	04 Nov 2025	Wind Dir	NE
17	04 Nov 2025	Sea State	Regular Swell
17	04 Nov 2025	High Tide Time	724
17	04 Nov 2025	Low Tide Time	1406
17	04 Nov 2025	Comments	
18	04 Nov 2025	Arrive Time	1116
18	04 Nov 2025	Depart Time	1122
18	04 Nov 2025	Air Temp (C)	17.1
18	04 Nov 2025	Visibility (mi)	10
18	04 Nov 2025	Wind Speed (kts)	0
18	04 Nov 2025	Wind Dir	SE
18	04 Nov 2025	Sea State	Regular Swell
18	04 Nov 2025	High Tide Time	724
18	04 Nov 2025	Low Tide Time	1406
18	04 Nov 2025	Comments	
112	05 Nov 2025	Arrive Time	1024
112	05 Nov 2025	Depart Time	1029
112	05 Nov 2025	Air Temp (C)	18.3
112	05 Nov 2025	Visibility (mi)	10
112	05 Nov 2025	Wind Speed (kts)	2.5
112	05 Nov 2025	Wind Dir	W
112	05 Nov 2025	Sea State	Wind Ripples
112	05 Nov 2025	High Tide Time	800
112	05 Nov 2025	Low Tide Time	1454
112	05 Nov 2025	Comments	
118	05 Nov 2025	Arrive Time	925
118	05 Nov 2025	Depart Time	930
118	05 Nov 2025	Air Temp (C)	18
118	05 Nov 2025	Visibility (mi)	10
118	05 Nov 2025	Wind Speed (kts)	1
118	05 Nov 2025	Wind Dir	SE
118	05 Nov 2025	Sea State	Wind Ripples
118	05 Nov 2025	High Tide Time	800
118	05 Nov 2025	Low Tide Time	1454
118	05 Nov 2025	Comments	
113	05 Nov 2025	Arrive Time	1050
113	05 Nov 2025	Depart Time	1056
113	05 Nov 2025	Air Temp (C)	18.1
113	05 Nov 2025	Visibility (mi)	10
113	05 Nov 2025	Wind Speed (kts)	13.8
113	05 Nov 2025	Wind Dir	SW
113	05 Nov 2025	Sea State	Wind Ripples
113	05 Nov 2025	High Tide Time	800
113	05 Nov 2025	Low Tide Time	1454
113	05 Nov 2025	Comments	bottle 3 accidentally fired at 27m
116	05 Nov 2025	Arrive Time	943
116	05 Nov 2025	Depart Time	949
116	05 Nov 2025	Air Temp (C)	18.2
116	05 Nov 2025	Visibility (mi)	10
116	05 Nov 2025	Wind Speed (kts)	2.2
116	05 Nov 2025	Wind Dir	E
116	05 Nov 2025	Sea State	Wind Ripples

Station	Date	Parameter	Value
I16	05 Nov 2025	High Tide Time	800
I16	05 Nov 2025	Low Tide Time	1454
I16	05 Nov 2025	Comments	
I14	05 Nov 2025	Arrive Time	1105
I14	05 Nov 2025	Depart Time	1110
I14	05 Nov 2025	Air Temp (C)	18.4
I14	05 Nov 2025	Visibility (mi)	10
I14	05 Nov 2025	Wind Speed (kts)	9
I14	05 Nov 2025	Wind Dir	W
I14	05 Nov 2025	Sea State	Wind Ripples
I14	05 Nov 2025	High Tide Time	800
I14	05 Nov 2025	Low Tide Time	1454
I14	05 Nov 2025	Comments	
I23	05 Nov 2025	Arrive Time	914
I23	05 Nov 2025	Depart Time	919
I23	05 Nov 2025	Air Temp (C)	18
I23	05 Nov 2025	Visibility (mi)	10
I23	05 Nov 2025	Wind Speed (kts)	2.1
I23	05 Nov 2025	Wind Dir	SE
I23	05 Nov 2025	Sea State	Wind Ripples
I23	05 Nov 2025	High Tide Time	800
I23	05 Nov 2025	Low Tide Time	1454
I23	05 Nov 2025	Comments	
I22	05 Nov 2025	Arrive Time	902
I22	05 Nov 2025	Depart Time	908
I22	05 Nov 2025	Air Temp (C)	18.3
I22	05 Nov 2025	Visibility (mi)	10
I22	05 Nov 2025	Wind Speed (kts)	2.3
I22	05 Nov 2025	Wind Dir	E
I22	05 Nov 2025	Sea State	Wind Ripples
I22	05 Nov 2025	High Tide Time	800
I22	05 Nov 2025	Low Tide Time	1454
I22	05 Nov 2025	Comments	
I20	05 Nov 2025	Arrive Time	806
I20	05 Nov 2025	Depart Time	819
I20	05 Nov 2025	Air Temp (C)	18.2
I20	05 Nov 2025	Visibility (mi)	10
I20	05 Nov 2025	Wind Speed (kts)	0
I20	05 Nov 2025	Wind Dir	E
I20	05 Nov 2025	Sea State	Regular Swell
I20	05 Nov 2025	High Tide Time	800
I20	05 Nov 2025	Low Tide Time	1454
I20	05 Nov 2025	Comments	tested all bottles
I21	05 Nov 2025	Arrive Time	830
I21	05 Nov 2025	Depart Time	837
I21	05 Nov 2025	Air Temp (C)	18
I21	05 Nov 2025	Visibility (mi)	10
I21	05 Nov 2025	Wind Speed (kts)	5.5
I21	05 Nov 2025	Wind Dir	E
I21	05 Nov 2025	Sea State	Regular Swell
I21	05 Nov 2025	High Tide Time	800
I21	05 Nov 2025	Low Tide Time	1454
I21	05 Nov 2025	Comments	OA 1m Btl# 2511057395 Nsk# 4;OA 41m Btl# 2511057396 Nsk# 1;
I30	06 Nov 2025	Arrive Time	843

Station	Date	Parameter	Value
I30	06 Nov 2025	Depart Time	847
I30	06 Nov 2025	Air Temp (C)	16.5
I30	06 Nov 2025	Visibility (mi)	10
I30	06 Nov 2025	Wind Speed (kts)	11.9
I30	06 Nov 2025	Wind Dir	NE
I30	06 Nov 2025	Sea State	Calm
I30	06 Nov 2025	High Tide Time	836
I30	06 Nov 2025	Low Tide Time	1542
I30	06 Nov 2025	Comments	
I33	06 Nov 2025	Arrive Time	756
I33	06 Nov 2025	Depart Time	801
I33	06 Nov 2025	Air Temp (C)	999
I33	06 Nov 2025	Visibility (mi)	10
I33	06 Nov 2025	Wind Speed (kts)	9999
I33	06 Nov 2025	Wind Dir	
I33	06 Nov 2025	Sea State	Calm
I33	06 Nov 2025	High Tide Time	836
I33	06 Nov 2025	Low Tide Time	1542
I33	06 Nov 2025	Comments	
I36	06 Nov 2025	Arrive Time	910
I36	06 Nov 2025	Depart Time	921
I36	06 Nov 2025	Air Temp (C)	17.2
I36	06 Nov 2025	Visibility (mi)	10
I36	06 Nov 2025	Wind Speed (kts)	0
I36	06 Nov 2025	Wind Dir	W
I36	06 Nov 2025	Sea State	Calm
I36	06 Nov 2025	High Tide Time	836
I36	06 Nov 2025	Low Tide Time	1542
I36	06 Nov 2025	Comments	1st cast discarded, 2nd cast for CTD and Niskin bottles, all data overwritten only one file saved
I37	06 Nov 2025	Arrive Time	730
I37	06 Nov 2025	Depart Time	738
I37	06 Nov 2025	Air Temp (C)	999
I37	06 Nov 2025	Visibility (mi)	10
I37	06 Nov 2025	Wind Speed (kts)	9999
I37	06 Nov 2025	Wind Dir	
I37	06 Nov 2025	Sea State	Calm
I37	06 Nov 2025	High Tide Time	836
I37	06 Nov 2025	Low Tide Time	1542
I37	06 Nov 2025	Comments	
I38	06 Nov 2025	Arrive Time	941
I38	06 Nov 2025	Depart Time	945
I38	06 Nov 2025	Air Temp (C)	18.5
I38	06 Nov 2025	Visibility (mi)	10
I38	06 Nov 2025	Wind Speed (kts)	12.8
I38	06 Nov 2025	Wind Dir	W
I38	06 Nov 2025	Sea State	Calm
I38	06 Nov 2025	High Tide Time	836
I38	06 Nov 2025	Low Tide Time	1542
I38	06 Nov 2025	Comments	

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	04 Nov 2025	1	17.71	96.29	8.3	33.35	8.1	24.1	0.27
I3	04 Nov 2025	2	17.69	96.13	8.3	33.34	8.1	24.1	0.28
I3	04 Nov 2025	3	17.66	95.89	8.3	33.34	8.1	24.1	0.32
I3	04 Nov 2025	4	17.61	95.86	8.3	33.34	8.1	24.1	0.35
I3	04 Nov 2025	5	17.58	95.72	8.4	33.34	8.1	24.1	0.38
I3	04 Nov 2025	6	17.55	95.63	8.4	33.34	8.1	24.1	0.43
I3	04 Nov 2025	7	17.52	95.47	8.4	33.34	8.1	24.1	0.48
I3	04 Nov 2025	8	17.50	95.34	8.4	33.33	8.1	24.1	0.52
I3	04 Nov 2025	9	17.48	95.26	8.4	33.33	8.1	24.1	0.68
I3	04 Nov 2025	10	17.40	95.13	8.3	33.32	8.1	24.1	0.97
I3	04 Nov 2025	11	17.02	94.76	8.2	33.28	8.1	24.2	0.77
I3	04 Nov 2025	12	15.96	92.23	8.4	33.27	8.1	24.4	0.78
I3	04 Nov 2025	13	15.28	95.47	8.5	33.28	8.1	24.6	0.75
I3	04 Nov 2025	14	14.88	96.25	8.4	33.26	8.1	24.7	0.98
I3	04 Nov 2025	15	14.41	95.32	8.4	33.26	8.1	24.8	1.21
I3	04 Nov 2025	16	14.12	94.04	8.3	33.25	8.0	24.8	2.25
I3	04 Nov 2025	17	14.01	92.49	8.1	33.25	8.0	24.8	2.91
I3	04 Nov 2025	18	13.86	92.39	7.9	33.26	8.0	24.9	2.01
I3	04 Nov 2025	19	13.76	95.13	7.7	33.27	8.0	24.9	1.47
I3	04 Nov 2025	20	13.75	96.12	7.5	33.28	8.0	24.9	1.42
I3	04 Nov 2025	21	13.73	95.88	7.3	33.28	8.0	24.9	1.49
I3	04 Nov 2025	22	13.73	95.20	7.2	33.29	8.0	24.9	1.70
I3	04 Nov 2025	23	13.72	94.45	7.1	33.30	8.0	24.9	1.58
I3	04 Nov 2025	24	13.71	93.57	7.1	33.30	8.0	24.9	1.55
I3	04 Nov 2025	25	13.70	93.31	7.0	33.30	8.0	24.9	1.50
I3	04 Nov 2025	26	13.69	93.01	7.0	33.30	8.0	24.9	1.48
I3	04 Nov 2025	27	13.68	92.58	7.0	33.30	7.9	24.9	1.48
I4	04 Nov 2025	1	16.83	81.34	8.3	33.26	8.0	24.2	0.76
I4	04 Nov 2025	2	16.76	81.08	8.3	33.26	8.0	24.2	0.73
I4	04 Nov 2025	3	16.49	80.49	8.3	33.27	8.0	24.3	0.92
I4	04 Nov 2025	4	16.01	79.93	8.4	33.28	8.0	24.4	1.06
I4	04 Nov 2025	5	15.62	84.57	8.4	33.28	8.0	24.5	1.05
I4	04 Nov 2025	6	15.44	88.70	8.3	33.27	8.0	24.5	1.55
I4	04 Nov 2025	7	15.23	87.61	8.2	33.27	8.0	24.6	1.73
I4	04 Nov 2025	8	14.97	88.50	8.1	33.27	8.0	24.6	1.79
I4	04 Nov 2025	9	14.67	89.46	7.8	33.27	8.0	24.7	2.37
I4	04 Nov 2025	10	14.62	85.70	7.7	33.27	8.0	24.7	2.44
I4	04 Nov 2025	11	14.58	84.23	7.7	33.27	8.0	24.7	2.55
I4	04 Nov 2025	12	14.54	85.11	7.7	33.28	8.0	24.7	2.75
I4	04 Nov 2025	13	14.49	86.85	7.7	33.28	8.0	24.8	2.61
I4	04 Nov 2025	14	14.48	87.67	7.6	33.28	8.0	24.8	2.64
I4	04 Nov 2025	15	14.47	88.40	7.6	33.28	8.0	24.8	2.42
I4	04 Nov 2025	16	14.45	89.08	7.6	33.28	8.0	24.8	2.20
I4	04 Nov 2025	17	14.42	89.56	7.6	33.27	8.0	24.8	1.99
I4	04 Nov 2025	18	14.40	89.13	7.5	33.28	8.0	24.8	1.81
I5	04 Nov 2025	1	16.42	80.26	8.3	33.26	8.0	24.3	0.86
I5	04 Nov 2025	2	16.23	80.22	8.3	33.26	8.0	24.4	0.82
I5	04 Nov 2025	3	16.15	79.80	8.3	33.26	8.0	24.4	0.91
I5	04 Nov 2025	4	16.13	79.14	8.3	33.26	8.0	24.4	1.15
I5	04 Nov 2025	5	16.12	78.42	8.3	33.26	8.0	24.4	1.49
I5	04 Nov 2025	6	16.04	78.31	8.3	33.26	8.0	24.4	1.80
I5	04 Nov 2025	7	15.94	78.66	8.3	33.26	8.0	24.4	1.97
I5	04 Nov 2025	8	15.85	78.01	8.2	33.27	8.0	24.4	2.12

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I5	04 Nov 2025	9	15.61	79.17	8.2	33.27	8.0	24.5	2.22
I5	04 Nov 2025	10	15.25	82.89	8.0	33.27	8.0	24.6	2.24
I5	04 Nov 2025	11	14.90	84.77	7.7	33.27	8.0	24.7	2.27
I5	04 Nov 2025	12	14.84	71.21	7.6	33.27	8.0	24.7	2.32
I5	04 Nov 2025	13	14.81	62.28	7.6	33.27	8.0	24.7	2.21
I5	04 Nov 2025	14	14.78	66.19	7.6	33.27	8.0	24.7	2.06
I1	04 Nov 2025	1	19.08	97.29	8.0	33.41	8.1	23.8	0.28
I1	04 Nov 2025	2	19.07	97.36	8.0	33.41	8.1	23.8	0.29
I1	04 Nov 2025	3	19.05	97.19	8.0	33.41	8.1	23.8	0.29
I1	04 Nov 2025	4	19.05	97.15	8.0	33.41	8.1	23.8	0.32
I1	04 Nov 2025	5	19.04	97.16	8.0	33.41	8.1	23.8	0.35
I1	04 Nov 2025	6	19.03	97.08	8.0	33.41	8.1	23.8	0.37
I1	04 Nov 2025	7	19.01	97.07	8.0	33.41	8.1	23.8	0.38
I1	04 Nov 2025	8	18.81	97.05	8.0	33.40	8.1	23.8	0.39
I1	04 Nov 2025	9	18.41	97.21	8.2	33.39	8.1	23.9	0.38
I1	04 Nov 2025	10	18.24	97.30	8.2	33.38	8.1	24.0	0.37
I1	04 Nov 2025	11	18.01	97.42	8.2	33.36	8.1	24.0	0.37
I1	04 Nov 2025	12	17.33	97.49	8.3	33.33	8.1	24.2	0.40
I1	04 Nov 2025	13	16.88	97.39	8.4	33.30	8.1	24.2	0.48
I1	04 Nov 2025	14	16.40	97.38	8.4	33.29	8.1	24.3	0.52
I1	04 Nov 2025	15	16.21	97.26	8.3	33.29	8.1	24.4	0.69
I1	04 Nov 2025	16	15.52	96.91	8.4	33.28	8.1	24.5	0.91
I1	04 Nov 2025	17	15.10	96.33	8.4	33.27	8.1	24.6	1.25
I1	04 Nov 2025	18	15.09	95.89	8.4	33.27	8.1	24.6	1.37
I1	04 Nov 2025	19	15.05	95.89	8.3	33.27	8.1	24.6	1.39
I1	04 Nov 2025	20	14.67	95.82	8.2	33.27	8.0	24.7	1.55
I1	04 Nov 2025	21	14.40	95.86	8.1	33.27	8.0	24.8	1.72
I1	04 Nov 2025	22	14.30	95.95	7.9	33.27	8.0	24.8	1.54
I1	04 Nov 2025	23	14.19	96.38	7.7	33.30	8.0	24.8	1.44
I1	04 Nov 2025	24	14.05	96.60	7.6	33.30	8.0	24.9	1.28
I1	04 Nov 2025	25	13.86	96.85	7.5	33.30	8.0	24.9	1.28
I1	04 Nov 2025	26	13.79	97.01	7.4	33.30	8.0	24.9	1.28
I1	04 Nov 2025	27	13.74	97.12	7.4	33.30	8.0	24.9	1.32
I1	04 Nov 2025	28	13.66	97.23	7.4	33.30	8.0	24.9	1.31
I1	04 Nov 2025	29	13.54	97.16	7.2	33.31	8.0	25.0	1.27
I1	04 Nov 2025	30	13.27	97.35	7.0	33.34	7.9	25.1	1.13
I1	04 Nov 2025	31	13.10	97.43	6.7	33.36	7.9	25.1	0.95
I1	04 Nov 2025	32	13.07	97.27	6.6	33.36	7.9	25.1	0.88
I1	04 Nov 2025	33	13.04	97.19	6.5	33.36	7.9	25.1	0.84
I1	04 Nov 2025	34	13.03	97.05	6.5	33.36	7.9	25.1	0.83
I1	04 Nov 2025	35	13.03	96.99	6.5	33.36	7.9	25.1	0.83
I1	04 Nov 2025	36	13.02	96.97	6.4	33.36	7.9	25.1	0.83
I1	04 Nov 2025	37	13.02	96.92	6.4	33.37	7.9	25.1	0.85
I1	04 Nov 2025	38	13.01	96.96	6.4	33.37	7.9	25.1	0.80
I1	04 Nov 2025	39	13.01	96.93	6.4	33.37	7.9	25.1	0.80
I1	04 Nov 2025	40	13.01	96.92	6.4	33.37	7.9	25.1	0.81
I1	04 Nov 2025	41	13.00	96.90	6.4	33.37	7.9	25.1	0.81
I1	04 Nov 2025	42	13.00	96.85	6.4	33.37	7.9	25.1	0.81
I1	04 Nov 2025	43	13.00	96.85	6.4	33.37	7.9	25.1	0.86
I1	04 Nov 2025	44	13.00	96.92	6.4	33.37	7.9	25.1	0.78
I1	04 Nov 2025	45	13.00	96.85	6.3	33.37	7.9	25.1	0.80
I1	04 Nov 2025	46	12.99	96.69	6.3	33.37	7.9	25.1	0.80
I1	04 Nov 2025	47	12.99	96.64	6.3	33.37	7.9	25.1	0.79
I1	04 Nov 2025	48	12.98	96.67	6.3	33.37	7.9	25.1	0.78
I1	04 Nov 2025	49	12.98	96.64	6.3	33.38	7.9	25.1	0.79
I1	04 Nov 2025	50	12.96	96.59	6.3	33.38	7.9	25.1	0.97
I1	04 Nov 2025	51	12.94	96.53	6.3	33.38	7.9	25.1	0.79
I1	04 Nov 2025	52	12.93	96.59	6.3	33.38	7.9	25.1	0.70
I1	04 Nov 2025	53	12.92	96.73	6.2	33.38	7.9	25.2	0.70
I1	04 Nov 2025	54	12.91	96.61	6.2	33.38	7.9	25.2	0.72

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I1	04 Nov 2025	55	12.90	96.59	6.2	33.38	7.9	25.2	0.70
I1	04 Nov 2025	56	12.89	96.44	6.2	33.38	7.9	25.2	0.70
I1	04 Nov 2025	57	12.89	96.52	6.2	33.38	7.9	25.2	0.66
I1	04 Nov 2025	58	12.88	96.37	6.1	33.39	7.9	25.2	0.68
I1	04 Nov 2025	59	12.88	95.96	6.0	33.39	7.8	25.2	0.69
I1	04 Nov 2025	60	12.87	95.59	5.9	33.39	7.8	25.2	0.71
I2	04 Nov 2025	1	17.72	95.50	8.4	33.34	8.1	24.1	0.41
I2	04 Nov 2025	2	17.69	95.19	8.4	33.34	8.1	24.1	0.39
I2	04 Nov 2025	3	17.41	95.17	8.4	33.31	8.1	24.1	0.47
I2	04 Nov 2025	4	16.92	93.31	8.5	33.32	8.1	24.2	0.62
I2	04 Nov 2025	5	16.67	93.72	8.5	33.30	8.1	24.3	0.66
I2	04 Nov 2025	6	16.38	94.25	8.5	33.31	8.1	24.4	0.77
I2	04 Nov 2025	7	16.09	94.38	8.5	33.30	8.1	24.4	0.84
I2	04 Nov 2025	8	15.88	94.12	8.5	33.30	8.1	24.5	1.01
I2	04 Nov 2025	9	15.71	93.67	8.3	33.29	8.1	24.5	1.25
I2	04 Nov 2025	10	15.22	93.87	8.2	33.27	8.0	24.6	1.33
I2	04 Nov 2025	11	14.88	94.21	8.1	33.29	8.0	24.7	1.44
I2	04 Nov 2025	12	14.81	94.72	8.0	33.29	8.0	24.7	1.40
I2	04 Nov 2025	13	14.71	95.17	7.9	33.28	8.0	24.7	1.41
I2	04 Nov 2025	14	14.59	95.87	7.8	33.29	8.0	24.7	1.32
I2	04 Nov 2025	15	14.49	96.18	7.8	33.29	8.0	24.8	1.28
I2	04 Nov 2025	16	14.39	96.17	7.8	33.29	8.0	24.8	1.30
I2	04 Nov 2025	17	14.26	96.47	7.8	33.28	8.0	24.8	1.23
I2	04 Nov 2025	18	14.04	96.60	7.6	33.29	8.0	24.9	1.13
I2	04 Nov 2025	19	13.85	97.01	7.4	33.30	8.0	24.9	1.10
I2	04 Nov 2025	20	13.59	97.36	7.1	33.32	8.0	25.0	1.07
I2	04 Nov 2025	21	13.47	97.00	6.9	33.33	7.9	25.0	1.15
I2	04 Nov 2025	22	13.41	96.33	6.7	33.33	7.9	25.0	1.24
I2	04 Nov 2025	23	13.41	94.88	6.6	33.33	7.9	25.0	1.28
I2	04 Nov 2025	24	13.41	94.02	6.6	33.33	7.9	25.0	1.28
I2	04 Nov 2025	25	13.40	93.79	6.6	33.33	7.9	25.0	1.27
I2	04 Nov 2025	26	13.40	93.90	6.6	33.33	7.9	25.0	1.33
I2	04 Nov 2025	27	13.40	93.69	6.6	33.34	7.9	25.0	1.22
I2	04 Nov 2025	28	13.40	93.54	6.6	33.34	7.9	25.0	1.21
I2	04 Nov 2025	29	13.39	93.45	6.5	33.34	7.9	25.0	1.25
I2	04 Nov 2025	30	13.38	93.40	6.5	33.34	7.9	25.0	1.19
I2	04 Nov 2025	31	13.38	93.20	6.5	33.34	7.9	25.0	1.18
I2	04 Nov 2025	32	13.37	93.14	6.5	33.34	7.9	25.0	1.17
I6	04 Nov 2025	1	16.85	80.84	8.5	33.28	8.1	24.2	1.03
I6	04 Nov 2025	2	16.76	84.17	8.5	33.27	8.1	24.2	1.08
I6	04 Nov 2025	3	16.65	84.01	8.6	33.28	8.1	24.3	1.37
I6	04 Nov 2025	4	16.63	83.39	8.6	33.27	8.1	24.3	1.92
I6	04 Nov 2025	5	16.62	82.99	8.6	33.27	8.1	24.3	2.36
I6	04 Nov 2025	6	16.61	82.92	8.6	33.27	8.1	24.3	2.53
I6	04 Nov 2025	7	16.60	82.93	8.5	33.27	8.1	24.3	2.57
I6	04 Nov 2025	8	16.55	83.16	8.4	33.27	8.1	24.3	2.49
I6	04 Nov 2025	9	16.40	83.31	8.4	33.27	8.1	24.3	2.43
I6	04 Nov 2025	10	15.79	84.11	8.4	33.26	8.1	24.5	2.25
I6	04 Nov 2025	11	15.38	86.78	8.4	33.27	8.1	24.6	1.63
I6	04 Nov 2025	12	15.29	90.29	8.2	33.27	8.0	24.6	1.63
I6	04 Nov 2025	13	15.12	90.64	8.0	33.26	8.0	24.6	1.92
I6	04 Nov 2025	14	14.73	86.19	7.8	33.27	8.0	24.7	1.99
I6	04 Nov 2025	15	14.50	85.11	7.8	33.27	8.0	24.7	1.91
I6	04 Nov 2025	16	14.45	87.30	7.8	33.27	8.0	24.8	1.99
I6	04 Nov 2025	17	14.38	90.40	7.8	33.27	8.0	24.8	1.97
I6	04 Nov 2025	18	14.27	91.93	7.7	33.27	8.0	24.8	1.94
I6	04 Nov 2025	19	14.17	93.45	7.6	33.28	8.0	24.8	1.71
I6	04 Nov 2025	20	14.15	94.15	7.5	33.28	8.0	24.8	1.52
I6	04 Nov 2025	21	14.12	94.05	7.4	33.28	8.0	24.8	1.43

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I6	04 Nov 2025	22	14.08	93.33	7.3	33.28	8.0	24.8	1.36
I6	04 Nov 2025	23	14.05	89.31	7.2	33.28	8.0	24.9	1.31
I6	04 Nov 2025	24	14.05	84.05	7.2	33.29	8.0	24.9	1.34
I6	04 Nov 2025	25	14.04	81.25	7.1	33.29	8.0	24.9	1.43
I6	04 Nov 2025	26	14.04	75.31	7.1	33.29	8.0	24.9	1.54
I9	04 Nov 2025	1	17.21	84.07	8.6	33.28	8.1	24.1	0.94
I9	04 Nov 2025	2	16.98	84.31	8.5	33.28	8.1	24.2	0.94
I9	04 Nov 2025	3	16.69	83.75	8.6	33.28	8.1	24.3	1.59
I9	04 Nov 2025	4	16.67	83.80	8.5	33.27	8.1	24.3	1.95
I9	04 Nov 2025	5	16.54	83.90	8.5	33.27	8.1	24.3	2.08
I9	04 Nov 2025	6	16.37	84.89	8.5	33.28	8.1	24.3	2.18
I9	04 Nov 2025	7	16.19	86.15	8.4	33.27	8.1	24.4	2.34
I9	04 Nov 2025	8	16.05	87.35	8.4	33.27	8.1	24.4	2.33
I9	04 Nov 2025	9	15.92	88.02	8.4	33.27	8.1	24.4	2.35
I9	04 Nov 2025	10	15.79	88.71	8.3	33.27	8.0	24.5	2.24
I9	04 Nov 2025	11	15.57	88.99	8.2	33.27	8.0	24.5	2.29
I9	04 Nov 2025	12	15.38	88.94	8.1	33.27	8.0	24.6	2.28
I9	04 Nov 2025	13	15.19	89.27	8.0	33.26	8.0	24.6	2.12
I9	04 Nov 2025	14	14.90	89.64	7.8	33.22	8.0	24.6	1.76
I9	04 Nov 2025	15	14.83	90.16	7.8	33.21	8.0	24.6	1.45
I9	04 Nov 2025	16	14.84	90.95	7.8	33.22	8.0	24.6	1.38
I9	04 Nov 2025	17	14.75	91.82	7.7	33.23	8.0	24.7	1.27
I9	04 Nov 2025	18	14.74	93.86	7.6	33.26	8.0	24.7	1.14
I9	04 Nov 2025	19	14.74	94.95	7.6	33.27	8.0	24.7	1.05
I9	04 Nov 2025	20	14.71	95.47	7.4	33.28	8.0	24.7	1.07
I9	04 Nov 2025	21	14.61	95.18	7.2	33.28	8.0	24.7	1.08
I9	04 Nov 2025	22	14.43	94.93	7.0	33.29	8.0	24.8	0.97
I9	04 Nov 2025	23	14.05	91.58	6.8	33.30	7.9	24.9	0.94
I9	04 Nov 2025	24	13.91	90.54	6.9	33.30	7.9	24.9	0.93
I9	04 Nov 2025	25	13.83	90.47	6.9	33.30	7.9	24.9	0.92
I9	04 Nov 2025	26	13.82	89.61	6.9	33.30	7.9	24.9	0.98
I9	04 Nov 2025	27	13.79	89.33	6.9	33.30	7.9	24.9	1.00
I9	04 Nov 2025	28	13.78	87.47	6.9	33.30	7.9	24.9	0.97
I9	04 Nov 2025	29	13.78	85.42	6.9	33.30	7.9	24.9	1.01
I11	04 Nov 2025	1	16.62	77.98	8.4	33.27	8.0	24.3	1.24
I11	04 Nov 2025	2	16.29	77.81	8.3	33.27	8.0	24.4	1.45
I11	04 Nov 2025	3	15.90	79.27	8.2	33.27	8.0	24.4	2.05
I11	04 Nov 2025	4	15.66	82.32	8.0	33.27	8.0	24.5	2.35
I11	04 Nov 2025	5	15.47	84.41	7.7	33.27	8.0	24.5	1.82
I11	04 Nov 2025	6	15.40	82.92	7.6	33.27	8.0	24.6	1.83
I11	04 Nov 2025	7	15.37	76.96	7.4	33.27	8.0	24.6	2.00
I11	04 Nov 2025	8	15.31	73.33	7.4	33.27	8.0	24.6	1.95
I11	04 Nov 2025	9	15.27	72.23	7.3	33.27	8.0	24.6	1.72
I11	04 Nov 2025	10	15.23	71.85	7.3	33.27	8.0	24.6	1.62
I11	04 Nov 2025	11	15.19	71.59	7.4	33.27	8.0	24.6	1.45
I11	04 Nov 2025	12	15.18	70.44	7.4	33.27	8.0	24.6	1.40
I11	04 Nov 2025	13	15.16	68.50	7.3	33.27	8.0	24.6	1.42
I10	04 Nov 2025	1	16.75	84.37	8.5	33.26	8.1	24.2	0.92
I10	04 Nov 2025	2	16.46	84.47	8.5	33.27	8.1	24.3	1.09
I10	04 Nov 2025	3	16.12	84.08	8.4	33.26	8.1	24.4	1.85
I10	04 Nov 2025	4	15.66	83.67	8.3	33.27	8.0	24.5	1.72
I10	04 Nov 2025	5	15.62	86.04	8.2	33.27	8.0	24.5	1.51
I10	04 Nov 2025	6	15.53	88.30	8.2	33.26	8.0	24.5	1.64
I10	04 Nov 2025	7	15.48	89.97	8.2	33.27	8.0	24.5	1.85
I10	04 Nov 2025	8	15.38	90.52	8.2	33.26	8.0	24.6	1.98
I10	04 Nov 2025	9	15.32	91.30	8.2	33.27	8.0	24.6	1.96
I10	04 Nov 2025	10	15.29	91.91	8.2	33.27	8.0	24.6	2.11
I10	04 Nov 2025	11	15.21	92.32	8.2	33.26	8.0	24.6	2.15

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I10	04 Nov 2025	12	15.15	92.63	8.2	33.26	8.0	24.6	2.02
I10	04 Nov 2025	13	15.09	92.86	8.2	33.25	8.0	24.6	1.80
I10	04 Nov 2025	14	15.09	93.44	8.0	33.26	8.0	24.6	1.56
I10	04 Nov 2025	15	14.99	93.92	7.8	33.25	8.0	24.6	1.49
I10	04 Nov 2025	16	14.83	94.06	7.6	33.27	8.0	24.7	1.31
I10	04 Nov 2025	17	14.79	91.14	7.3	33.27	8.0	24.7	1.37
I10	04 Nov 2025	18	14.71	84.43	7.1	33.28	8.0	24.7	1.67
I10	04 Nov 2025	19	14.59	75.55	6.9	33.27	7.9	24.7	1.76
I7	04 Nov 2025	1	17.74	95.86	8.3	33.34	8.1	24.1	0.54
I7	04 Nov 2025	2	17.74	95.81	8.3	33.34	8.1	24.1	0.53
I7	04 Nov 2025	3	17.65	95.73	8.4	33.33	8.1	24.1	0.56
I7	04 Nov 2025	4	17.59	95.65	8.4	33.33	8.1	24.1	0.61
I7	04 Nov 2025	5	17.55	95.77	8.4	33.33	8.1	24.1	0.61
I7	04 Nov 2025	6	17.51	95.96	8.4	33.32	8.1	24.1	0.62
I7	04 Nov 2025	7	17.43	95.97	8.4	33.32	8.1	24.1	0.61
I7	04 Nov 2025	8	17.27	96.09	8.5	33.31	8.1	24.2	0.67
I7	04 Nov 2025	9	17.13	96.08	8.4	33.31	8.1	24.2	0.72
I7	04 Nov 2025	10	16.72	96.07	8.5	33.30	8.1	24.3	0.77
I7	04 Nov 2025	11	16.54	95.79	8.6	33.30	8.1	24.3	0.84
I7	04 Nov 2025	12	16.29	95.79	8.5	33.29	8.1	24.4	0.92
I7	04 Nov 2025	13	16.05	95.73	8.5	33.29	8.1	24.4	0.95
I7	04 Nov 2025	14	15.83	95.52	8.5	33.30	8.1	24.5	1.21
I7	04 Nov 2025	15	15.58	95.18	8.5	33.29	8.0	24.5	1.44
I7	04 Nov 2025	16	15.41	94.48	8.4	33.29	8.0	24.6	1.94
I7	04 Nov 2025	17	15.15	93.38	8.3	33.28	8.0	24.6	2.34
I7	04 Nov 2025	18	14.57	93.14	8.1	33.29	8.0	24.7	2.41
I7	04 Nov 2025	19	14.28	94.12	7.8	33.29	8.0	24.8	1.92
I7	04 Nov 2025	20	14.21	95.25	7.7	33.30	8.0	24.8	1.56
I7	04 Nov 2025	21	14.19	95.70	7.7	33.30	8.0	24.8	1.48
I7	04 Nov 2025	22	14.17	96.20	7.6	33.30	8.0	24.8	1.37
I7	04 Nov 2025	23	14.09	96.39	7.5	33.30	8.0	24.9	1.40
I7	04 Nov 2025	24	13.77	96.43	7.3	33.32	8.0	24.9	1.23
I7	04 Nov 2025	25	13.71	96.76	7.2	33.32	7.9	24.9	1.17
I7	04 Nov 2025	26	13.71	96.76	7.1	33.32	7.9	24.9	1.12
I7	04 Nov 2025	27	13.70	96.89	7.1	33.32	7.9	25.0	1.12
I7	04 Nov 2025	28	13.68	96.89	7.1	33.32	7.9	25.0	1.15
I7	04 Nov 2025	29	13.64	96.98	7.0	33.33	7.9	25.0	1.11
I7	04 Nov 2025	30	13.62	96.73	7.0	33.33	7.9	25.0	1.12
I7	04 Nov 2025	31	13.61	96.93	7.0	33.33	7.9	25.0	1.09
I7	04 Nov 2025	32	13.58	96.90	7.0	33.33	7.9	25.0	1.08
I7	04 Nov 2025	33	13.54	96.90	6.9	33.33	7.9	25.0	1.06
I7	04 Nov 2025	34	13.51	96.62	6.8	33.34	7.9	25.0	1.09
I7	04 Nov 2025	35	13.48	96.90	6.8	33.34	7.9	25.0	1.07
I7	04 Nov 2025	36	13.45	96.82	6.8	33.34	7.9	25.0	1.03
I7	04 Nov 2025	37	13.38	96.78	6.6	33.34	7.9	25.0	1.02
I7	04 Nov 2025	38	13.14	96.60	6.4	33.37	7.9	25.1	0.99
I7	04 Nov 2025	39	13.05	96.00	6.2	33.38	7.9	25.1	0.96
I7	04 Nov 2025	40	13.00	95.64	6.1	33.38	7.9	25.1	0.94
I7	04 Nov 2025	41	12.99	95.36	6.0	33.38	7.9	25.1	0.93
I7	04 Nov 2025	42	12.99	95.18	6.0	33.38	7.8	25.1	0.93
I7	04 Nov 2025	43	12.98	95.26	6.0	33.38	7.8	25.1	0.89
I7	04 Nov 2025	44	12.94	95.32	6.0	33.39	7.8	25.2	0.82
I7	04 Nov 2025	45	12.92	95.56	6.0	33.39	7.8	25.2	0.78
I7	04 Nov 2025	46	12.90	96.42	6.1	33.39	7.9	25.2	0.77
I7	04 Nov 2025	47	12.88	96.74	6.1	33.39	7.8	25.2	0.74
I7	04 Nov 2025	48	12.88	96.87	6.1	33.39	7.8	25.2	0.77
I7	04 Nov 2025	49	12.87	96.84	6.0	33.39	7.8	25.2	0.78
I7	04 Nov 2025	50	12.87	96.78	6.0	33.40	7.8	25.2	0.72
I7	04 Nov 2025	51	12.86	96.46	5.8	33.40	7.8	25.2	0.68
I7	04 Nov 2025	52	12.86	95.82	5.7	33.40	7.8	25.2	0.66

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I8	04 Nov 2025	1	17.42	85.00	8.8	33.28	8.1	24.1	0.92
I8	04 Nov 2025	2	17.38	85.32	8.8	33.28	8.1	24.1	0.97
I8	04 Nov 2025	3	17.23	85.27	8.9	33.28	8.1	24.1	1.09
I8	04 Nov 2025	4	17.19	85.17	8.8	33.28	8.1	24.1	1.42
I8	04 Nov 2025	5	17.15	84.97	8.8	33.28	8.1	24.2	1.75
I8	04 Nov 2025	6	17.09	85.34	8.6	33.28	8.1	24.2	1.96
I8	04 Nov 2025	7	16.52	86.51	8.5	33.28	8.1	24.3	2.03
I8	04 Nov 2025	8	15.83	89.66	8.5	33.29	8.1	24.5	1.80
I8	04 Nov 2025	9	15.56	90.95	8.4	33.28	8.1	24.5	1.96
I8	04 Nov 2025	10	15.16	90.83	8.2	33.26	8.0	24.6	2.15
I8	04 Nov 2025	11	14.96	89.49	8.1	33.26	8.0	24.6	2.20
I8	04 Nov 2025	12	14.89	88.61	8.0	33.26	8.0	24.7	1.93
I8	04 Nov 2025	13	14.81	89.59	7.9	33.26	8.0	24.7	1.67
I8	04 Nov 2025	14	14.78	91.71	7.9	33.26	8.0	24.7	1.71
I8	04 Nov 2025	15	14.70	92.60	7.8	33.26	8.0	24.7	1.53
I8	04 Nov 2025	16	14.64	93.29	7.7	33.27	8.0	24.7	1.32
I8	04 Nov 2025	17	14.59	93.76	7.6	33.27	8.0	24.7	1.32
I8	04 Nov 2025	18	14.57	93.88	7.6	33.27	8.0	24.7	1.13
I8	04 Nov 2025	19	14.52	94.19	7.6	33.27	8.0	24.7	1.13
I8	04 Nov 2025	20	14.46	94.38	7.5	33.27	8.0	24.8	1.10
I8	04 Nov 2025	21	14.42	94.25	7.4	33.28	8.0	24.8	1.08
I8	04 Nov 2025	22	14.29	93.87	7.4	33.27	8.0	24.8	1.13
I8	04 Nov 2025	23	14.12	93.40	7.4	33.28	8.0	24.8	1.21
I8	04 Nov 2025	24	14.06	93.43	7.4	33.28	8.0	24.8	1.30
I8	04 Nov 2025	25	13.92	94.46	7.3	33.29	8.0	24.9	1.33
I8	04 Nov 2025	26	13.88	95.14	7.2	33.30	8.0	24.9	1.27
I8	04 Nov 2025	27	13.82	95.40	7.1	33.30	8.0	24.9	1.21
I8	04 Nov 2025	28	13.77	95.70	7.1	33.30	8.0	24.9	1.15
I8	04 Nov 2025	29	13.74	95.69	7.1	33.30	8.0	24.9	1.08
I8	04 Nov 2025	30	13.72	96.02	7.0	33.30	8.0	24.9	1.08
I8	04 Nov 2025	31	13.67	96.03	7.0	33.30	7.9	24.9	1.06
I8	04 Nov 2025	32	13.62	95.37	6.8	33.31	7.9	25.0	0.97
I8	04 Nov 2025	33	13.58	94.11	6.8	33.31	7.9	25.0	0.93
I8	04 Nov 2025	34	13.53	93.15	6.7	33.31	7.9	25.0	1.03
I8	04 Nov 2025	35	13.47	92.35	6.7	33.32	7.9	25.0	1.02
I8	04 Nov 2025	36	13.43	91.38	6.6	33.33	7.9	25.0	1.08
I12	05 Nov 2025	1	17.76	88.63	8.7	33.32	8.1	24.0	0.90
I12	05 Nov 2025	2	17.73	88.48	8.7	33.32	8.1	24.1	1.00
I12	05 Nov 2025	3	17.71	88.18	8.7	33.32	8.1	24.1	1.23
I12	05 Nov 2025	4	17.63	88.41	8.8	33.31	8.1	24.1	1.68
I12	05 Nov 2025	5	17.49	88.11	8.8	33.31	8.1	24.1	2.32
I12	05 Nov 2025	6	17.31	87.66	8.8	33.30	8.1	24.1	2.64
I12	05 Nov 2025	7	17.19	87.93	8.7	33.30	8.1	24.2	2.67
I12	05 Nov 2025	8	17.06	88.51	8.5	33.29	8.1	24.2	2.59
I12	05 Nov 2025	9	16.57	89.22	8.4	33.27	8.1	24.3	2.60
I12	05 Nov 2025	10	16.09	89.66	8.3	33.27	8.1	24.4	2.90
I12	05 Nov 2025	11	15.96	89.86	8.2	33.27	8.0	24.4	3.47
I12	05 Nov 2025	12	15.82	89.05	8.1	33.26	8.0	24.4	4.15
I12	05 Nov 2025	13	15.66	88.71	7.9	33.25	8.0	24.5	3.39
I12	05 Nov 2025	14	15.30	90.74	7.7	33.23	8.0	24.5	2.13
I12	05 Nov 2025	15	15.10	92.04	7.7	33.24	8.0	24.6	1.50
I12	05 Nov 2025	16	15.15	92.33	7.7	33.26	8.0	24.6	1.36
I12	05 Nov 2025	17	15.13	94.08	7.7	33.27	8.0	24.6	1.23
I12	05 Nov 2025	18	15.13	95.59	7.7	33.27	8.0	24.6	1.20
I12	05 Nov 2025	19	15.12	95.79	7.8	33.27	8.0	24.6	1.17
I12	05 Nov 2025	20	15.10	96.15	7.8	33.27	8.0	24.6	1.19
I12	05 Nov 2025	21	15.06	96.43	7.7	33.27	8.0	24.6	1.24
I12	05 Nov 2025	22	15.02	96.39	7.5	33.28	8.0	24.6	1.08
I12	05 Nov 2025	23	14.83	96.60	7.3	33.29	8.0	24.7	1.02

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I12	05 Nov 2025	24	14.68	95.69	7.2	33.29	8.0	24.7	0.98
I12	05 Nov 2025	25	14.62	94.11	7.2	33.29	8.0	24.7	0.93
I12	05 Nov 2025	26	14.56	93.31	7.0	33.29	8.0	24.8	0.88
I12	05 Nov 2025	27	14.29	92.42	6.7	33.30	7.9	24.8	0.84
I12	05 Nov 2025	28	13.98	89.93	6.5	33.32	7.9	24.9	0.72
I18	05 Nov 2025	1	17.63	84.50	8.7	33.31	8.1	24.1	2.52
I18	05 Nov 2025	2	17.62	84.68	8.8	33.31	8.1	24.1	2.43
I18	05 Nov 2025	3	17.65	84.79	8.7	33.31	8.1	24.1	2.06
I18	05 Nov 2025	4	17.64	85.60	8.7	33.31	8.1	24.1	1.80
I18	05 Nov 2025	5	17.47	85.73	8.7	33.31	8.1	24.1	2.34
I18	05 Nov 2025	6	17.18	84.07	8.7	33.30	8.1	24.2	3.68
I18	05 Nov 2025	7	17.12	84.70	8.6	33.30	8.1	24.2	3.48
I18	05 Nov 2025	8	17.03	86.45	8.5	33.29	8.1	24.2	2.85
I18	05 Nov 2025	9	16.81	88.38	8.4	33.29	8.1	24.2	2.58
I18	05 Nov 2025	10	16.50	88.98	8.4	33.29	8.1	24.3	2.61
I18	05 Nov 2025	11	16.28	89.52	8.2	33.28	8.1	24.4	2.51
I18	05 Nov 2025	12	15.88	90.17	8.2	33.28	8.0	24.4	2.53
I18	05 Nov 2025	13	15.66	90.59	8.1	33.27	8.0	24.5	2.57
I18	05 Nov 2025	14	15.56	91.29	8.0	33.27	8.0	24.5	2.54
I18	05 Nov 2025	15	15.50	91.55	7.9	33.27	8.0	24.5	2.43
I18	05 Nov 2025	16	15.29	91.74	7.7	33.27	8.0	24.6	2.02
I18	05 Nov 2025	17	15.17	91.93	7.5	33.28	8.0	24.6	1.39
I18	05 Nov 2025	18	14.97	91.99	7.1	33.28	8.0	24.7	1.03
I18	05 Nov 2025	19	14.49	90.93	6.7	33.28	8.0	24.8	0.86
I13	05 Nov 2025	1	17.83	92.99	8.9	33.30	8.1	24.0	0.61
I13	05 Nov 2025	2	17.81	92.83	8.9	33.30	8.1	24.0	0.57
I13	05 Nov 2025	3	17.73	92.71	8.9	33.30	8.1	24.0	0.58
I13	05 Nov 2025	4	17.62	92.98	8.9	33.29	8.1	24.1	0.71
I13	05 Nov 2025	5	17.44	92.69	8.9	33.28	8.1	24.1	1.17
I13	05 Nov 2025	6	17.13	91.51	8.9	33.28	8.1	24.2	1.63
I13	05 Nov 2025	7	17.00	89.99	8.8	33.28	8.1	24.2	1.88
I13	05 Nov 2025	8	16.86	89.77	8.8	33.28	8.1	24.2	2.18
I13	05 Nov 2025	9	16.77	89.57	8.6	33.27	8.1	24.2	2.47
I13	05 Nov 2025	10	16.06	90.37	8.4	33.27	8.1	24.4	2.33
I13	05 Nov 2025	11	15.47	92.05	8.3	33.26	8.1	24.5	2.18
I13	05 Nov 2025	12	15.14	91.96	8.2	33.27	8.0	24.6	2.28
I13	05 Nov 2025	13	15.08	90.92	8.1	33.26	8.0	24.6	2.24
I13	05 Nov 2025	14	14.94	90.03	8.0	33.26	8.0	24.6	2.20
I13	05 Nov 2025	15	14.87	91.12	7.9	33.26	8.0	24.7	2.01
I13	05 Nov 2025	16	14.80	93.12	7.8	33.26	8.0	24.7	1.62
I13	05 Nov 2025	17	14.79	95.23	7.7	33.26	8.0	24.7	1.24
I13	05 Nov 2025	18	14.75	96.16	7.7	33.26	8.0	24.7	1.09
I13	05 Nov 2025	19	14.67	96.79	7.6	33.27	8.0	24.7	1.08
I13	05 Nov 2025	20	14.51	96.75	7.3	33.28	8.0	24.8	0.90
I13	05 Nov 2025	21	14.40	96.26	7.0	33.29	8.0	24.8	0.74
I13	05 Nov 2025	22	14.26	96.08	6.9	33.30	8.0	24.8	0.69
I13	05 Nov 2025	23	14.15	95.82	6.8	33.30	7.9	24.8	0.68
I13	05 Nov 2025	24	14.02	96.03	7.1	33.29	8.0	24.9	0.80
I13	05 Nov 2025	25	13.93	96.56	7.2	33.29	8.0	24.9	0.96
I13	05 Nov 2025	26	13.80	97.23	7.4	33.29	8.0	24.9	0.96
I13	05 Nov 2025	27	13.74	97.83	7.3	33.29	8.0	24.9	0.89
I13	05 Nov 2025	28	13.63	97.91	7.2	33.30	8.0	25.0	0.97
I13	05 Nov 2025	29	13.58	97.32	7.0	33.31	8.0	25.0	1.08
I13	05 Nov 2025	30	13.57	96.83	6.9	33.31	7.9	25.0	0.95
I13	05 Nov 2025	31	13.56	96.55	6.9	33.31	7.9	25.0	0.95
I13	05 Nov 2025	32	13.56	96.66	6.9	33.31	7.9	25.0	0.96
I13	05 Nov 2025	33	13.56	96.53	6.8	33.31	7.9	25.0	1.00
I13	05 Nov 2025	34	13.56	96.43	6.8	33.31	7.9	25.0	0.98
I13	05 Nov 2025	35	13.54	96.34	6.8	33.31	7.9	25.0	0.94

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I13	05 Nov 2025	36	13.51	96.13	6.8	33.32	7.9	25.0	1.01
I13	05 Nov 2025	37	13.46	95.06	6.7	33.32	7.9	25.0	0.98
I13	05 Nov 2025	38	13.44	94.80	6.6	33.32	7.9	25.0	0.92
I15	05 Nov 2025	1	17.70	89.94	8.7	33.31	8.1	24.1	0.75
I15	05 Nov 2025	2	17.65	90.49	8.7	33.31	8.1	24.1	0.75
I15	05 Nov 2025	3	17.61	90.78	8.7	33.31	8.1	24.1	0.83
I15	05 Nov 2025	4	17.59	90.47	8.7	33.31	8.1	24.1	1.06
I15	05 Nov 2025	5	17.48	90.32	8.7	33.31	8.1	24.1	1.36
I15	05 Nov 2025	6	17.40	89.99	8.8	33.30	8.1	24.1	2.00
I15	05 Nov 2025	7	17.34	89.33	8.8	33.30	8.1	24.1	2.46
I15	05 Nov 2025	8	17.30	88.94	8.7	33.30	8.1	24.1	2.52
I15	05 Nov 2025	9	17.27	89.11	8.7	33.30	8.1	24.1	2.47
I15	05 Nov 2025	10	17.25	89.82	8.6	33.30	8.1	24.2	2.41
I15	05 Nov 2025	11	17.13	89.95	8.4	33.29	8.1	24.2	2.35
I15	05 Nov 2025	12	16.25	90.00	8.3	33.28	8.1	24.4	2.67
I15	05 Nov 2025	13	15.96	89.45	8.1	33.26	8.0	24.4	3.52
I15	05 Nov 2025	14	15.67	89.65	7.9	33.25	8.0	24.5	2.49
I15	05 Nov 2025	15	15.43	92.08	7.8	33.27	8.0	24.5	1.76
I15	05 Nov 2025	16	15.21	92.98	7.7	33.27	8.0	24.6	1.49
I15	05 Nov 2025	17	15.08	94.83	7.7	33.27	8.0	24.6	1.17
I15	05 Nov 2025	18	15.02	96.30	7.8	33.27	8.0	24.6	1.18
I15	05 Nov 2025	19	14.98	96.51	7.8	33.27	8.0	24.6	1.07
I15	05 Nov 2025	20	14.96	96.49	7.8	33.27	8.0	24.6	1.05
I15	05 Nov 2025	21	14.94	96.58	7.8	33.27	8.0	24.7	1.08
I15	05 Nov 2025	22	14.92	96.83	7.6	33.27	8.0	24.7	1.02
I15	05 Nov 2025	23	14.83	96.45	7.4	33.28	8.0	24.7	1.00
I15	05 Nov 2025	24	14.69	95.25	7.3	33.29	8.0	24.7	0.91
I15	05 Nov 2025	25	14.63	93.37	7.2	33.29	8.0	24.7	0.88
I15	05 Nov 2025	26	14.54	93.15	7.1	33.29	8.0	24.8	0.87
I15	05 Nov 2025	27	14.49	92.39	6.9	33.30	8.0	24.8	0.81
I15	05 Nov 2025	28	14.39	90.81	6.6	33.30	7.9	24.8	0.80
I15	05 Nov 2025	29	13.96	87.91	6.5	33.31	7.9	24.9	0.75
I15	05 Nov 2025	30	13.74	87.21	6.4	33.32	7.9	24.9	0.73
I15	05 Nov 2025	31	13.72	88.34	6.4	33.32	7.9	24.9	0.64
I16	05 Nov 2025	1	17.84	89.94	8.6	33.32	8.1	24.0	0.95
I16	05 Nov 2025	2	17.84	90.12	8.6	33.32	8.1	24.0	0.89
I16	05 Nov 2025	3	17.80	89.88	8.6	33.32	8.1	24.0	0.81
I16	05 Nov 2025	4	17.79	89.79	8.6	33.32	8.1	24.0	0.92
I16	05 Nov 2025	5	17.66	89.75	8.6	33.31	8.1	24.1	1.14
I16	05 Nov 2025	6	17.46	89.31	8.6	33.31	8.1	24.1	2.00
I16	05 Nov 2025	7	17.20	88.08	8.5	33.30	8.1	24.2	2.63
I16	05 Nov 2025	8	16.75	88.33	8.4	33.28	8.1	24.2	2.58
I16	05 Nov 2025	9	16.19	89.27	8.3	33.27	8.1	24.4	2.88
I16	05 Nov 2025	10	16.00	89.84	8.2	33.27	8.0	24.4	3.37
I16	05 Nov 2025	11	15.84	89.41	8.0	33.27	8.0	24.4	3.85
I16	05 Nov 2025	12	15.64	88.64	7.9	33.26	8.0	24.5	3.70
I16	05 Nov 2025	13	15.32	89.33	7.8	33.27	8.0	24.6	2.32
I16	05 Nov 2025	14	15.24	92.08	7.7	33.27	8.0	24.6	1.59
I16	05 Nov 2025	15	15.19	94.14	7.8	33.27	8.0	24.6	1.32
I16	05 Nov 2025	16	15.15	95.36	7.8	33.27	8.0	24.6	1.26
I16	05 Nov 2025	17	15.12	95.87	7.8	33.27	8.0	24.6	1.22
I16	05 Nov 2025	18	15.08	96.13	7.8	33.26	8.0	24.6	1.20
I16	05 Nov 2025	19	15.04	96.19	7.8	33.27	8.0	24.6	1.19
I16	05 Nov 2025	20	15.01	96.04	7.7	33.27	8.0	24.6	1.11
I16	05 Nov 2025	21	14.91	96.28	7.5	33.28	8.0	24.7	1.07
I16	05 Nov 2025	22	14.75	95.89	7.3	33.29	8.0	24.7	0.98
I16	05 Nov 2025	23	14.65	95.15	7.2	33.29	8.0	24.7	0.98
I16	05 Nov 2025	24	14.62	93.80	7.4	33.29	8.0	24.7	0.89
I16	05 Nov 2025	25	14.60	92.67	7.5	33.29	8.0	24.7	0.82

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I16	05 Nov 2025	26	14.49	91.48	6.6	33.29	8.0	24.8	0.84
I16	05 Nov 2025	27	14.01	89.10	6.5	33.31	7.9	24.9	0.75
I16	05 Nov 2025	28	14.20	87.70	6.5	33.31	7.9	24.8	0.72
I17	05 Nov 2025	1	17.88	90.81	8.6	33.32	8.1	24.0	0.83
I17	05 Nov 2025	2	17.80	90.74	8.6	33.32	8.1	24.0	0.78
I17	05 Nov 2025	3	17.75	90.15	8.7	33.32	8.1	24.0	0.95
I17	05 Nov 2025	4	17.73	89.51	8.7	33.32	8.1	24.1	1.20
I17	05 Nov 2025	5	17.64	88.87	8.7	33.31	8.1	24.1	1.77
I17	05 Nov 2025	6	17.49	88.15	8.7	33.31	8.1	24.1	2.61
I17	05 Nov 2025	7	17.37	87.73	8.7	33.30	8.1	24.1	3.07
I17	05 Nov 2025	8	17.20	87.90	8.6	33.30	8.1	24.2	3.06
I17	05 Nov 2025	9	17.07	88.25	8.5	33.29	8.1	24.2	2.75
I17	05 Nov 2025	10	16.87	89.05	8.4	33.28	8.1	24.2	2.75
I17	05 Nov 2025	11	16.59	89.77	8.3	33.28	8.1	24.3	2.83
I17	05 Nov 2025	12	16.34	89.93	8.2	33.27	8.1	24.3	3.01
I17	05 Nov 2025	13	16.11	89.38	8.2	33.27	8.0	24.4	3.32
I17	05 Nov 2025	14	15.93	89.65	8.1	33.27	8.0	24.4	3.30
I17	05 Nov 2025	15	15.69	90.02	7.9	33.26	8.0	24.5	3.01
I17	05 Nov 2025	16	15.39	90.56	7.9	33.27	8.0	24.6	2.32
I17	05 Nov 2025	17	15.35	91.99	7.8	33.27	8.0	24.6	1.75
I17	05 Nov 2025	18	15.32	93.82	7.8	33.26	8.0	24.6	1.50
I17	05 Nov 2025	19	15.27	94.35	7.9	33.26	8.0	24.6	1.45
I17	05 Nov 2025	20	15.19	94.57	7.9	33.26	8.0	24.6	1.38
I17	05 Nov 2025	21	15.12	95.42	7.7	33.27	8.0	24.6	1.29
I17	05 Nov 2025	22	14.98	95.72	7.4	33.28	8.0	24.7	1.10
I17	05 Nov 2025	23	14.75	95.82	7.1	33.29	8.0	24.7	1.06
I17	05 Nov 2025	24	14.58	94.51	6.9	33.29	8.0	24.7	0.99
I17	05 Nov 2025	25	14.28	91.66	6.7	33.29	7.9	24.8	0.85
I14	05 Nov 2025	1	17.98	89.66	8.6	33.32	8.1	24.0	0.81
I14	05 Nov 2025	2	17.97	89.55	8.6	33.33	8.1	24.0	0.76
I14	05 Nov 2025	3	17.93	89.45	8.6	33.32	8.1	24.0	0.78
I14	05 Nov 2025	4	17.82	89.02	8.7	33.32	8.1	24.0	0.92
I14	05 Nov 2025	5	17.69	88.78	8.7	33.32	8.1	24.1	1.11
I14	05 Nov 2025	6	17.67	89.10	8.7	33.32	8.1	24.1	1.35
I14	05 Nov 2025	7	17.63	89.48	8.7	33.32	8.1	24.1	1.50
I14	05 Nov 2025	8	17.57	89.66	8.7	33.31	8.1	24.1	1.77
I14	05 Nov 2025	9	17.49	89.21	8.7	33.31	8.1	24.1	2.03
I14	05 Nov 2025	10	17.49	89.40	8.7	33.31	8.1	24.1	2.11
I14	05 Nov 2025	11	17.45	89.41	8.7	33.31	8.1	24.1	2.25
I14	05 Nov 2025	12	17.42	89.02	8.7	33.31	8.1	24.1	2.55
I14	05 Nov 2025	13	17.42	88.53	8.6	33.31	8.1	24.1	2.56
I14	05 Nov 2025	14	17.34	88.41	8.5	33.30	8.1	24.1	2.57
I14	05 Nov 2025	15	16.88	89.08	8.3	33.28	8.1	24.2	2.51
I14	05 Nov 2025	16	16.02	89.99	8.2	33.27	8.0	24.4	2.49
I14	05 Nov 2025	17	15.58	90.40	8.0	33.27	8.0	24.5	2.63
I14	05 Nov 2025	18	15.20	92.81	7.9	33.26	8.0	24.6	1.84
I14	05 Nov 2025	19	15.13	95.09	7.9	33.26	8.0	24.6	1.46
I14	05 Nov 2025	20	15.10	95.56	7.9	33.26	8.0	24.6	1.32
I14	05 Nov 2025	21	15.10	95.86	7.8	33.26	8.0	24.6	1.26
I14	05 Nov 2025	22	15.09	95.71	7.8	33.26	8.0	24.6	1.29
I14	05 Nov 2025	23	15.08	95.35	7.7	33.26	8.0	24.6	1.25
I14	05 Nov 2025	24	15.06	95.45	7.7	33.27	8.0	24.6	1.21
I14	05 Nov 2025	25	15.04	95.26	7.5	33.27	8.0	24.6	1.16
I14	05 Nov 2025	26	14.86	94.72	7.2	33.28	8.0	24.7	1.09
I14	05 Nov 2025	27	14.34	91.23	6.8	33.31	7.9	24.8	0.92
I14	05 Nov 2025	28	13.87	86.70	6.5	33.32	7.9	24.9	0.76
I23	05 Nov 2025	1	17.72	87.29	8.7	33.32	8.1	24.1	0.95
I23	05 Nov 2025	2	17.66	87.49	8.7	33.32	8.1	24.1	1.11

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I23	05 Nov 2025	3	17.58	87.31	8.7	33.31	8.1	24.1	1.86
I23	05 Nov 2025	4	17.54	85.80	8.7	33.31	8.1	24.1	2.57
I23	05 Nov 2025	5	17.42	85.68	8.6	33.31	8.1	24.1	3.08
I23	05 Nov 2025	6	17.37	86.42	8.6	33.31	8.1	24.1	3.53
I23	05 Nov 2025	7	17.31	86.44	8.6	33.30	8.1	24.1	3.87
I23	05 Nov 2025	8	17.28	86.48	8.6	33.30	8.1	24.1	3.90
I23	05 Nov 2025	9	17.24	86.47	8.5	33.30	8.1	24.2	3.83
I23	05 Nov 2025	10	17.20	86.71	8.5	33.30	8.1	24.2	3.55
I23	05 Nov 2025	11	17.18	86.88	8.4	33.30	8.1	24.2	3.41
I23	05 Nov 2025	12	17.15	87.21	8.4	33.30	8.1	24.2	3.35
I23	05 Nov 2025	13	17.09	87.39	8.3	33.30	8.1	24.2	3.24
I23	05 Nov 2025	14	17.03	87.97	8.3	33.30	8.0	24.2	2.95
I23	05 Nov 2025	15	16.90	88.63	8.2	33.29	8.0	24.2	2.75
I23	05 Nov 2025	16	16.70	88.86	8.1	33.28	8.0	24.3	2.41
I23	05 Nov 2025	17	16.32	90.03	8.0	33.27	8.0	24.3	2.00
I23	05 Nov 2025	18	15.69	91.26	7.8	33.26	8.0	24.5	1.75
I23	05 Nov 2025	19	15.22	91.48	7.6	33.28	8.0	24.6	1.58
I23	05 Nov 2025	20	15.06	88.18	7.4	33.28	8.0	24.6	1.27
I23	05 Nov 2025	21	14.96	83.74	7.2	33.28	8.0	24.7	1.16
I22	05 Nov 2025	1	17.74	90.61	8.6	33.32	8.1	24.1	0.84
I22	05 Nov 2025	2	17.73	90.54	8.6	33.32	8.1	24.1	0.97
I22	05 Nov 2025	3	17.69	90.04	8.6	33.32	8.1	24.1	1.03
I22	05 Nov 2025	4	17.63	89.60	8.6	33.32	8.1	24.1	1.25
I22	05 Nov 2025	5	17.53	89.12	8.6	33.31	8.1	24.1	1.71
I22	05 Nov 2025	6	17.46	88.82	8.6	33.31	8.1	24.1	2.18
I22	05 Nov 2025	7	17.41	88.67	8.4	33.31	8.1	24.1	2.45
I22	05 Nov 2025	8	17.08	88.72	8.2	33.26	8.1	24.2	2.57
I22	05 Nov 2025	9	15.87	89.24	8.1	33.28	8.0	24.5	2.63
I22	05 Nov 2025	10	15.65	89.70	7.8	33.26	8.0	24.5	2.48
I22	05 Nov 2025	11	15.31	91.11	7.7	33.26	8.0	24.6	2.18
I22	05 Nov 2025	12	15.14	92.44	7.7	33.27	8.0	24.6	1.69
I22	05 Nov 2025	13	15.11	94.20	7.8	33.26	8.0	24.6	1.34
I22	05 Nov 2025	14	15.10	94.88	7.8	33.26	8.0	24.6	1.32
I22	05 Nov 2025	15	15.06	95.25	7.8	33.25	8.0	24.6	1.30
I22	05 Nov 2025	16	15.05	95.38	7.9	33.26	8.0	24.6	1.19
I22	05 Nov 2025	17	15.05	95.69	7.9	33.25	8.0	24.6	1.30
I22	05 Nov 2025	18	15.01	95.91	7.9	33.25	8.0	24.6	1.26
I22	05 Nov 2025	19	14.98	96.08	7.9	33.25	8.0	24.6	1.09
I22	05 Nov 2025	20	14.96	96.34	7.8	33.26	8.0	24.6	1.07
I22	05 Nov 2025	21	14.94	96.34	7.7	33.26	8.0	24.6	1.13
I22	05 Nov 2025	22	14.86	96.20	7.5	33.27	8.0	24.7	1.00
I22	05 Nov 2025	23	14.60	95.69	7.1	33.29	8.0	24.7	0.93
I22	05 Nov 2025	24	14.20	93.85	6.7	33.30	7.9	24.8	0.81
I22	05 Nov 2025	25	13.83	90.91	6.4	33.33	7.9	24.9	0.71
I22	05 Nov 2025	26	13.72	88.41	6.3	33.32	7.9	24.9	0.69
I22	05 Nov 2025	27	13.69	85.48	6.2	33.32	7.9	25.0	0.70
I22	05 Nov 2025	28	13.68	84.54	6.2	33.32	7.9	25.0	0.66
I20	05 Nov 2025	1	18.20	96.08	8.3	33.36	8.1	24.0	0.46
I20	05 Nov 2025	2	18.18	96.07	8.3	33.36	8.1	24.0	0.45
I20	05 Nov 2025	3	18.15	94.95	8.3	33.36	8.1	24.0	0.51
I20	05 Nov 2025	4	18.14	95.91	8.3	33.36	8.1	24.0	0.54
I20	05 Nov 2025	5	18.09	95.99	8.3	33.35	8.1	24.0	0.56
I20	05 Nov 2025	6	17.95	96.18	8.3	33.35	8.1	24.0	0.58
I20	05 Nov 2025	7	17.72	96.18	8.3	33.33	8.1	24.1	0.60
I20	05 Nov 2025	8	17.37	96.25	8.4	33.33	8.1	24.1	0.67
I20	05 Nov 2025	9	17.14	96.31	8.4	33.31	8.1	24.2	0.76
I20	05 Nov 2025	10	16.54	96.27	8.4	33.29	8.1	24.3	0.84
I20	05 Nov 2025	11	16.04	96.10	8.5	33.29	8.1	24.4	0.97
I20	05 Nov 2025	12	15.79	95.85	8.5	33.28	8.1	24.5	1.06

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I20	05 Nov 2025	13	15.71	95.74	8.5	33.28	8.1	24.5	1.14
I20	05 Nov 2025	14	15.67	95.61	8.5	33.27	8.1	24.5	1.16
I20	05 Nov 2025	15	15.55	95.36	8.5	33.28	8.1	24.5	1.23
I20	05 Nov 2025	16	15.52	95.41	8.5	33.28	8.1	24.5	1.25
I20	05 Nov 2025	17	15.51	95.10	8.5	33.28	8.1	24.5	1.25
I20	05 Nov 2025	18	15.50	95.41	8.5	33.28	8.1	24.5	1.24
I20	05 Nov 2025	19	15.47	95.19	8.4	33.28	8.1	24.5	1.23
I20	05 Nov 2025	20	15.32	95.32	8.4	33.28	8.1	24.6	1.31
I20	05 Nov 2025	21	15.19	95.29	8.3	33.29	8.0	24.6	1.49
I20	05 Nov 2025	22	15.13	95.15	8.3	33.28	8.0	24.6	1.57
I20	05 Nov 2025	23	14.91	95.09	8.1	33.28	8.0	24.7	1.59
I20	05 Nov 2025	24	14.54	95.22	7.9	33.29	8.0	24.8	1.52
I20	05 Nov 2025	25	14.20	96.20	7.6	33.29	8.0	24.8	1.26
I20	05 Nov 2025	26	13.83	96.73	7.4	33.31	8.0	24.9	0.93
I20	05 Nov 2025	27	13.63	97.59	7.2	33.32	8.0	25.0	0.86
I20	05 Nov 2025	28	13.60	98.02	7.1	33.32	7.9	25.0	0.84
I20	05 Nov 2025	29	13.60	98.12	7.0	33.32	7.9	25.0	0.88
I20	05 Nov 2025	30	13.55	98.13	7.0	33.32	7.9	25.0	0.86
I20	05 Nov 2025	31	13.44	98.11	6.8	33.33	7.9	25.0	0.87
I20	05 Nov 2025	32	13.34	97.94	6.7	33.34	7.9	25.0	0.87
I20	05 Nov 2025	33	13.30	97.75	6.6	33.34	7.9	25.1	0.88
I20	05 Nov 2025	34	13.28	97.42	6.6	33.35	7.9	25.1	0.88
I20	05 Nov 2025	35	13.20	97.31	6.4	33.35	7.9	25.1	0.93
I20	05 Nov 2025	36	13.13	97.06	6.3	33.36	7.9	25.1	0.92
I20	05 Nov 2025	37	13.13	96.33	6.3	33.37	7.9	25.1	0.96
I20	05 Nov 2025	38	13.13	95.87	6.3	33.37	7.9	25.1	0.96
I20	05 Nov 2025	39	13.13	95.59	6.3	33.36	7.9	25.1	0.86
I20	05 Nov 2025	40	13.12	95.51	6.2	33.36	7.9	25.1	0.83
I20	05 Nov 2025	41	13.12	95.40	6.2	33.37	7.9	25.1	0.84
I20	05 Nov 2025	42	13.12	95.38	6.2	33.37	7.9	25.1	0.83
I20	05 Nov 2025	43	13.12	95.40	6.2	33.37	7.9	25.1	0.84
I20	05 Nov 2025	44	13.12	95.37	6.2	33.37	7.9	25.1	0.81
I20	05 Nov 2025	45	13.11	95.41	6.2	33.37	7.9	25.1	0.86
I20	05 Nov 2025	46	13.11	95.44	6.2	33.37	7.9	25.1	0.85
I20	05 Nov 2025	47	13.11	95.39	6.2	33.37	7.9	25.1	0.81
I20	05 Nov 2025	48	13.11	95.36	6.2	33.37	7.9	25.1	0.80
I20	05 Nov 2025	49	13.11	95.49	6.2	33.37	7.9	25.1	0.83
I20	05 Nov 2025	50	13.11	95.51	6.2	33.37	7.9	25.1	0.82
I20	05 Nov 2025	51	13.11	95.47	6.2	33.37	7.9	25.1	0.81
I20	05 Nov 2025	52	13.10	95.45	6.2	33.37	7.9	25.1	0.81
I20	05 Nov 2025	53	13.08	95.59	6.2	33.37	7.9	25.1	0.79
I20	05 Nov 2025	54	13.05	95.62	6.1	33.37	7.9	25.1	0.73
I20	05 Nov 2025	55	13.02	95.80	6.1	33.38	7.9	25.1	0.71
I21	05 Nov 2025	1	17.81	93.94	8.9	33.30	8.1	24.0	0.73
I21	05 Nov 2025	2	17.81	94.11	8.9	33.30	8.1	24.0	0.67
I21	05 Nov 2025	3	17.80	93.59	8.9	33.30	8.1	24.0	0.68
I21	05 Nov 2025	4	17.78	93.60	8.9	33.30	8.1	24.0	0.78
I21	05 Nov 2025	5	17.76	93.56	8.9	33.30	8.1	24.0	0.97
I21	05 Nov 2025	6	17.74	93.35	8.9	33.30	8.1	24.0	1.05
I21	05 Nov 2025	7	17.63	93.27	8.9	33.28	8.1	24.0	1.36
I21	05 Nov 2025	8	17.24	92.34	8.9	33.29	8.1	24.1	1.68
I21	05 Nov 2025	9	17.13	91.76	8.8	33.29	8.1	24.2	1.74
I21	05 Nov 2025	10	17.10	91.76	8.7	33.29	8.1	24.2	1.66
I21	05 Nov 2025	11	16.99	92.04	8.6	33.29	8.1	24.2	1.54
I21	05 Nov 2025	12	16.64	92.55	8.5	33.30	8.1	24.3	1.18
I21	05 Nov 2025	13	16.34	93.73	8.4	33.28	8.1	24.4	1.11
I21	05 Nov 2025	14	15.60	94.65	8.5	33.29	8.1	24.5	1.24
I21	05 Nov 2025	15	15.26	94.90	8.3	33.28	8.0	24.6	1.37
I21	05 Nov 2025	16	14.81	95.23	8.2	33.28	8.0	24.7	1.45
I21	05 Nov 2025	17	14.55	95.39	8.0	33.29	8.0	24.7	1.39

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I21	05 Nov 2025	18	14.33	96.15	7.9	33.28	8.0	24.8	1.24
I21	05 Nov 2025	19	14.15	96.70	7.8	33.28	8.0	24.8	1.03
I21	05 Nov 2025	20	14.10	97.36	7.7	33.28	8.0	24.8	0.96
I21	05 Nov 2025	21	14.09	97.26	7.6	33.28	8.0	24.8	0.99
I21	05 Nov 2025	22	14.09	97.32	7.4	33.28	8.0	24.8	0.94
I21	05 Nov 2025	23	14.10	96.88	7.2	33.29	8.0	24.8	0.78
I21	05 Nov 2025	24	14.10	96.62	7.1	33.29	8.0	24.8	0.75
I21	05 Nov 2025	25	14.08	96.47	7.0	33.29	7.9	24.9	0.70
I21	05 Nov 2025	26	14.01	96.52	7.0	33.30	7.9	24.9	0.71
I21	05 Nov 2025	27	13.95	96.28	7.1	33.30	7.9	24.9	0.74
I21	05 Nov 2025	28	13.86	96.53	7.3	33.30	8.0	24.9	0.87
I21	05 Nov 2025	29	13.79	97.23	7.3	33.31	8.0	24.9	0.91
I21	05 Nov 2025	30	13.70	97.84	7.2	33.31	8.0	24.9	0.87
I21	05 Nov 2025	31	13.60	98.09	7.1	33.32	7.9	25.0	0.86
I21	05 Nov 2025	32	13.50	98.08	7.0	33.32	7.9	25.0	0.90
I21	05 Nov 2025	33	13.41	97.94	6.8	33.33	7.9	25.0	0.94
I21	05 Nov 2025	34	13.37	97.36	6.7	33.33	7.9	25.0	0.95
I21	05 Nov 2025	35	13.36	95.97	6.6	33.33	7.9	25.0	0.95
I21	05 Nov 2025	36	13.36	95.18	6.6	33.33	7.9	25.0	1.15
I21	05 Nov 2025	37	13.36	95.38	6.6	33.33	7.9	25.0	1.00
I21	05 Nov 2025	38	13.36	95.25	6.5	33.33	7.9	25.0	0.97
I21	05 Nov 2025	39	13.35	95.11	6.5	33.33	7.9	25.0	0.95
I21	05 Nov 2025	40	13.35	95.00	6.5	33.33	7.9	25.0	0.93
I21	05 Nov 2025	41	13.35	95.15	6.5	33.33	7.9	25.0	0.93
I27	05 Nov 2025	1	17.83	88.58	8.3	33.34	8.1	24.0	2.19
I27	05 Nov 2025	2	17.85	88.50	8.3	33.33	8.1	24.0	1.70
I27	05 Nov 2025	3	17.84	87.96	8.3	33.34	8.1	24.0	1.72
I27	05 Nov 2025	4	17.76	87.26	8.3	33.33	8.1	24.1	2.05
I27	05 Nov 2025	5	17.71	86.95	8.2	33.34	8.1	24.1	2.95
I27	05 Nov 2025	6	17.61	86.10	8.2	33.33	8.1	24.1	3.17
I27	05 Nov 2025	7	17.47	85.98	8.3	33.32	8.1	24.1	2.96
I27	05 Nov 2025	8	17.38	87.03	8.3	33.31	8.1	24.1	2.86
I27	05 Nov 2025	9	17.14	87.97	8.2	33.29	8.1	24.2	2.73
I27	05 Nov 2025	10	16.37	88.63	8.1	33.25	8.1	24.3	2.58
I27	05 Nov 2025	11	15.45	89.58	8.0	33.26	8.0	24.5	2.63
I27	05 Nov 2025	12	15.14	91.23	7.8	33.27	8.0	24.6	1.66
I27	05 Nov 2025	13	15.01	94.01	7.7	33.27	8.0	24.6	1.17
I27	05 Nov 2025	14	14.98	95.57	7.7	33.27	8.0	24.6	1.01
I27	05 Nov 2025	15	14.95	96.66	7.7	33.27	8.0	24.6	0.97
I27	05 Nov 2025	16	14.92	96.90	7.7	33.26	8.0	24.7	0.98
I27	05 Nov 2025	17	14.87	96.78	7.7	33.26	8.0	24.7	0.97
I27	05 Nov 2025	18	14.85	96.79	7.8	33.26	8.0	24.7	1.03
I27	05 Nov 2025	19	14.83	96.80	7.8	33.26	8.0	24.7	0.99
I27	05 Nov 2025	20	14.80	96.69	7.8	33.27	8.0	24.7	1.06
I27	05 Nov 2025	21	14.79	96.28	7.7	33.27	8.0	24.7	1.05
I27	05 Nov 2025	22	14.79	96.37	7.7	33.27	8.0	24.7	1.13
I27	05 Nov 2025	23	14.75	96.57	7.6	33.28	8.0	24.7	1.01
I27	05 Nov 2025	24	14.72	95.93	7.5	33.28	8.0	24.7	0.97
I27	05 Nov 2025	25	14.62	95.41	7.3	33.28	8.0	24.7	0.95
I27	05 Nov 2025	26	14.46	94.60	7.0	33.30	8.0	24.8	0.90
I27	05 Nov 2025	27	14.35	92.39	6.8	33.30	7.9	24.8	0.80
I27	05 Nov 2025	28	14.14	90.01	6.5	33.31	7.9	24.9	0.76
I28	06 Nov 2025	1	17.87	95.62	8.4	33.35	8.1	24.0	0.46
I28	06 Nov 2025	2	17.87	95.30	8.4	33.35	8.1	24.0	0.46
I28	06 Nov 2025	3	17.87	94.53	8.4	33.35	8.1	24.0	0.46
I28	06 Nov 2025	4	17.87	95.66	8.4	33.34	8.1	24.0	0.48
I28	06 Nov 2025	5	17.86	95.83	8.3	33.34	8.1	24.0	0.53
I28	06 Nov 2025	6	17.82	95.95	8.3	33.34	8.1	24.0	0.56
I28	06 Nov 2025	7	17.47	95.86	8.4	33.32	8.1	24.1	0.66

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I28	06 Nov 2025	8	17.29	95.81	8.5	33.32	8.1	24.2	0.74
I28	06 Nov 2025	9	17.12	95.78	8.4	33.31	8.1	24.2	0.78
I28	06 Nov 2025	10	16.71	95.69	8.4	33.29	8.1	24.3	0.85
I28	06 Nov 2025	11	15.82	95.81	8.5	33.29	8.1	24.5	0.92
I28	06 Nov 2025	12	15.49	96.09	8.5	33.28	8.1	24.5	0.99
I28	06 Nov 2025	13	15.34	96.15	8.5	33.27	8.1	24.6	1.02
I28	06 Nov 2025	14	15.27	96.19	8.5	33.27	8.1	24.6	1.10
I28	06 Nov 2025	15	15.24	96.18	8.5	33.27	8.1	24.6	1.19
I28	06 Nov 2025	16	15.19	96.08	8.5	33.27	8.1	24.6	1.22
I28	06 Nov 2025	17	15.15	95.98	8.5	33.27	8.1	24.6	1.23
I28	06 Nov 2025	18	15.07	96.01	8.5	33.26	8.1	24.6	1.23
I28	06 Nov 2025	19	14.98	96.15	8.5	33.26	8.1	24.6	1.26
I28	06 Nov 2025	20	14.63	96.10	8.4	33.26	8.1	24.7	1.59
I28	06 Nov 2025	21	14.49	95.34	8.3	33.27	8.1	24.7	2.23
I28	06 Nov 2025	22	14.46	95.13	8.2	33.27	8.0	24.8	2.04
I28	06 Nov 2025	23	14.43	95.62	8.2	33.27	8.0	24.8	1.81
I28	06 Nov 2025	24	14.38	95.88	8.1	33.28	8.0	24.8	1.78
I28	06 Nov 2025	25	14.29	95.93	8.0	33.28	8.0	24.8	1.61
I28	06 Nov 2025	26	14.18	96.21	7.8	33.29	8.0	24.8	1.50
I28	06 Nov 2025	27	14.04	96.37	7.6	33.30	8.0	24.9	1.35
I28	06 Nov 2025	28	13.92	96.52	7.5	33.30	8.0	24.9	1.25
I28	06 Nov 2025	29	13.88	96.87	7.3	33.30	8.0	24.9	1.13
I28	06 Nov 2025	30	13.73	97.14	7.2	33.31	8.0	24.9	1.10
I28	06 Nov 2025	31	13.43	97.22	6.9	33.33	8.0	25.0	0.92
I28	06 Nov 2025	32	13.28	97.47	6.7	33.34	7.9	25.0	0.78
I28	06 Nov 2025	33	13.24	97.80	6.6	33.34	7.9	25.1	0.72
I28	06 Nov 2025	34	13.19	97.89	6.6	33.35	7.9	25.1	0.71
I28	06 Nov 2025	35	13.16	98.12	6.5	33.35	7.9	25.1	0.74
I28	06 Nov 2025	36	13.12	98.12	6.4	33.36	7.9	25.1	0.76
I28	06 Nov 2025	37	13.09	97.91	6.4	33.36	7.9	25.1	0.76
I28	06 Nov 2025	38	13.07	97.72	6.3	33.36	7.9	25.1	0.76
I28	06 Nov 2025	39	13.06	97.72	6.3	33.37	7.9	25.1	0.74
I28	06 Nov 2025	40	13.05	97.66	6.3	33.37	7.9	25.1	0.70
I28	06 Nov 2025	41	13.02	97.63	6.3	33.37	7.9	25.1	0.69
I28	06 Nov 2025	42	12.99	97.55	6.3	33.37	7.9	25.1	0.67
I28	06 Nov 2025	43	12.97	97.53	6.2	33.37	7.9	25.1	0.67
I28	06 Nov 2025	44	12.93	97.49	6.2	33.38	7.9	25.2	0.65
I28	06 Nov 2025	45	12.92	97.38	6.2	33.38	7.9	25.2	0.69
I28	06 Nov 2025	46	12.85	97.22	6.2	33.39	7.9	25.2	0.61
I28	06 Nov 2025	47	12.82	96.99	6.2	33.39	7.9	25.2	0.59
I28	06 Nov 2025	48	12.81	96.96	6.1	33.39	7.9	25.2	0.58
I28	06 Nov 2025	49	12.80	96.85	6.1	33.39	7.9	25.2	0.57
I28	06 Nov 2025	50	12.75	96.39	6.1	33.40	7.9	25.2	0.55
I28	06 Nov 2025	51	12.70	96.35	6.0	33.40	7.9	25.2	0.53
I28	06 Nov 2025	52	12.64	96.54	6.0	33.41	7.9	25.2	0.50
I28	06 Nov 2025	53	12.61	96.73	6.0	33.41	7.9	25.2	0.49
I28	06 Nov 2025	54	12.58	96.55	5.9	33.41	7.9	25.2	0.48
I28	06 Nov 2025	55	12.45	96.68	5.9	33.43	7.8	25.3	0.42
I29	06 Nov 2025	1	17.53	94.48	8.7	33.31	8.1	24.1	0.62
I29	06 Nov 2025	2	17.53	94.69	8.7	33.31	8.1	24.1	0.62
I29	06 Nov 2025	3	17.53	94.65	8.7	33.31	8.1	24.1	0.61
I29	06 Nov 2025	4	17.52	94.70	8.7	33.31	8.1	24.1	0.66
I29	06 Nov 2025	5	17.52	94.62	8.7	33.31	8.1	24.1	0.72
I29	06 Nov 2025	6	17.51	94.54	8.7	33.31	8.1	24.1	0.78
I29	06 Nov 2025	7	17.47	94.52	8.6	33.31	8.1	24.1	0.87
I29	06 Nov 2025	8	17.34	94.45	8.5	33.31	8.1	24.1	0.90
I29	06 Nov 2025	9	16.55	94.91	8.5	33.29	8.1	24.3	0.86
I29	06 Nov 2025	10	15.99	95.33	8.5	33.30	8.1	24.4	0.90
I29	06 Nov 2025	11	15.93	95.83	8.5	33.29	8.1	24.4	0.97
I29	06 Nov 2025	12	15.65	95.91	8.4	33.27	8.1	24.5	1.06

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I29	06 Nov 2025	13	15.16	95.98	8.4	33.28	8.1	24.6	1.14
I29	06 Nov 2025	14	14.89	96.08	8.1	33.29	8.0	24.7	1.16
I29	06 Nov 2025	15	14.35	96.91	7.8	33.30	8.0	24.8	1.11
I29	06 Nov 2025	16	14.27	97.56	7.6	33.29	8.0	24.8	0.90
I29	06 Nov 2025	17	14.25	97.70	7.4	33.29	8.0	24.8	0.86
I29	06 Nov 2025	18	14.25	97.56	7.4	33.29	8.0	24.8	0.79
I29	06 Nov 2025	19	14.20	97.37	7.3	33.29	8.0	24.8	0.81
I29	06 Nov 2025	20	14.14	97.25	7.1	33.30	8.0	24.8	0.74
I29	06 Nov 2025	21	14.13	97.10	7.0	33.30	8.0	24.8	0.69
I29	06 Nov 2025	22	14.02	97.13	6.9	33.30	8.0	24.9	0.70
I29	06 Nov 2025	23	13.95	97.01	6.7	33.31	7.9	24.9	0.65
I29	06 Nov 2025	24	13.86	96.65	6.6	33.31	7.9	24.9	0.58
I29	06 Nov 2025	25	13.67	96.48	6.8	33.32	7.9	25.0	0.62
I29	06 Nov 2025	26	13.60	97.64	6.9	33.32	7.9	25.0	0.71
I29	06 Nov 2025	27	13.53	98.13	6.8	33.33	7.9	25.0	0.74
I29	06 Nov 2025	28	13.47	98.11	6.7	33.33	7.9	25.0	0.69
I29	06 Nov 2025	29	13.44	98.20	6.7	33.33	7.9	25.0	0.71
I29	06 Nov 2025	30	13.39	98.07	6.6	33.33	7.9	25.0	0.70
I29	06 Nov 2025	31	13.36	97.77	6.5	33.34	7.9	25.0	0.71
I29	06 Nov 2025	32	13.35	97.42	6.4	33.34	7.9	25.0	0.71
I29	06 Nov 2025	33	13.33	96.80	6.4	33.34	7.9	25.0	0.72
I29	06 Nov 2025	34	13.31	96.45	6.3	33.34	7.9	25.0	0.71
I29	06 Nov 2025	35	13.30	96.37	6.3	33.35	7.9	25.1	0.67
I29	06 Nov 2025	36	13.30	96.53	6.3	33.35	7.9	25.1	0.65
I29	06 Nov 2025	37	13.30	96.32	6.3	33.35	7.9	25.1	0.66
I29	06 Nov 2025	38	13.30	96.18	6.3	33.35	7.9	25.1	0.66
I30	06 Nov 2025	1	17.34	88.91	8.3	33.33	8.1	24.1	1.35
I30	06 Nov 2025	2	17.30	88.97	8.2	33.34	8.1	24.2	1.53
I30	06 Nov 2025	3	17.24	88.55	8.1	33.34	8.0	24.2	1.81
I30	06 Nov 2025	4	17.08	87.44	8.1	33.33	8.0	24.2	1.69
I30	06 Nov 2025	5	16.52	87.57	8.3	33.30	8.1	24.3	1.52
I30	06 Nov 2025	6	15.96	91.54	8.4	33.29	8.1	24.4	1.44
I30	06 Nov 2025	7	15.70	93.78	8.4	33.29	8.1	24.5	1.39
I30	06 Nov 2025	8	15.47	94.74	8.3	33.27	8.0	24.5	1.39
I30	06 Nov 2025	9	15.26	95.05	8.2	33.27	8.0	24.6	1.42
I30	06 Nov 2025	10	15.18	94.50	8.1	33.27	8.0	24.6	1.43
I30	06 Nov 2025	11	15.05	95.34	8.0	33.26	8.0	24.6	1.36
I30	06 Nov 2025	12	14.77	95.73	7.8	33.27	8.0	24.7	1.10
I30	06 Nov 2025	13	14.74	96.41	7.7	33.27	8.0	24.7	0.99
I30	06 Nov 2025	14	14.70	96.68	7.7	33.27	8.0	24.7	1.06
I30	06 Nov 2025	15	14.67	96.81	7.7	33.27	8.0	24.7	0.99
I30	06 Nov 2025	16	14.66	96.82	7.7	33.28	8.0	24.7	0.98
I30	06 Nov 2025	17	14.65	96.84	7.7	33.28	8.0	24.7	0.96
I30	06 Nov 2025	18	14.64	96.68	7.7	33.28	8.0	24.7	0.96
I30	06 Nov 2025	19	14.62	96.55	7.6	33.28	8.0	24.7	0.96
I30	06 Nov 2025	20	14.51	96.71	7.5	33.28	8.0	24.8	1.03
I30	06 Nov 2025	21	14.38	96.22	7.3	33.29	8.0	24.8	0.89
I30	06 Nov 2025	22	14.22	95.68	7.1	33.29	8.0	24.8	0.81
I30	06 Nov 2025	23	14.17	94.53	7.0	33.30	7.9	24.8	0.76
I30	06 Nov 2025	24	14.16	93.59	7.0	33.30	7.9	24.8	0.74
I30	06 Nov 2025	25	14.16	93.42	6.9	33.30	7.9	24.8	0.73
I30	06 Nov 2025	26	14.15	92.93	6.9	33.30	7.9	24.8	0.74
I30	06 Nov 2025	27	14.14	92.73	6.9	33.30	7.9	24.8	0.75
I30	06 Nov 2025	28	14.14	92.71	6.9	33.30	7.9	24.8	0.75
I31	06 Nov 2025	1	16.92	87.88	8.1	33.33	8.0	24.2	1.29
I31	06 Nov 2025	2	16.90	87.81	8.1	33.33	8.0	24.3	1.34
I31	06 Nov 2025	3	16.88	87.00	8.1	33.33	8.0	24.3	1.71
I31	06 Nov 2025	4	16.87	86.65	8.1	33.33	8.0	24.3	2.24
I31	06 Nov 2025	5	16.87	86.66	8.1	33.33	8.0	24.3	2.49

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I31	06 Nov 2025	6	16.86	86.43	8.1	33.33	8.0	24.3	2.58
I31	06 Nov 2025	7	16.86	86.54	8.1	33.33	8.0	24.3	2.60
I31	06 Nov 2025	8	16.86	86.69	8.1	33.33	8.0	24.3	2.60
I31	06 Nov 2025	9	16.86	86.73	8.1	33.33	8.0	24.3	2.51
I31	06 Nov 2025	10	16.85	86.77	8.1	33.33	8.0	24.3	2.32
I31	06 Nov 2025	11	16.83	86.77	8.0	33.32	8.0	24.3	2.20
I31	06 Nov 2025	12	16.69	87.67	8.0	33.31	8.0	24.3	2.03
I31	06 Nov 2025	13	16.27	88.86	8.1	33.30	8.0	24.4	1.83
I31	06 Nov 2025	14	15.97	90.16	8.1	33.29	8.0	24.4	1.71
I31	06 Nov 2025	15	15.73	91.30	8.0	33.27	8.0	24.5	1.55
I31	06 Nov 2025	16	15.16	93.27	8.0	33.27	8.0	24.6	1.36
I31	06 Nov 2025	17	14.81	94.74	7.9	33.27	8.0	24.7	1.20
I31	06 Nov 2025	18	14.45	95.47	7.6	33.28	8.0	24.8	1.09
I31	06 Nov 2025	19	14.30	95.53	7.4	33.28	8.0	24.8	0.96
I33	06 Nov 2025	1	17.56	95.18	8.6	33.32	8.1	24.1	0.57
I33	06 Nov 2025	2	17.56	95.05	8.6	33.32	8.1	24.1	0.58
I33	06 Nov 2025	3	17.56	95.22	8.6	33.32	8.1	24.1	0.62
I33	06 Nov 2025	4	17.56	95.21	8.6	33.32	8.1	24.1	0.66
I33	06 Nov 2025	5	17.54	95.10	8.4	33.32	8.1	24.1	0.72
I33	06 Nov 2025	6	16.48	95.50	8.3	33.28	8.1	24.3	0.77
I33	06 Nov 2025	7	15.35	96.03	8.4	33.30	8.1	24.6	0.93
I33	06 Nov 2025	8	15.32	95.92	8.4	33.29	8.0	24.6	1.06
I33	06 Nov 2025	9	15.25	95.97	8.3	33.28	8.1	24.6	1.12
I33	06 Nov 2025	10	14.89	95.99	8.1	33.27	8.0	24.7	1.11
I33	06 Nov 2025	11	14.38	96.15	7.7	33.28	8.0	24.8	1.08
I33	06 Nov 2025	12	14.31	96.78	7.4	33.29	8.0	24.8	0.83
I33	06 Nov 2025	13	14.29	97.37	7.3	33.28	8.0	24.8	0.86
I33	06 Nov 2025	14	14.24	97.39	7.2	33.28	8.0	24.8	0.78
I33	06 Nov 2025	15	14.21	97.37	7.2	33.29	8.0	24.8	0.75
I33	06 Nov 2025	16	14.17	97.59	7.2	33.29	8.0	24.8	0.76
I33	06 Nov 2025	17	14.08	97.72	7.1	33.29	8.0	24.9	0.73
I33	06 Nov 2025	18	13.94	97.56	7.0	33.30	8.0	24.9	0.74
I33	06 Nov 2025	19	13.83	97.15	6.9	33.31	7.9	24.9	0.62
I33	06 Nov 2025	20	13.70	97.25	6.8	33.31	7.9	24.9	0.64
I33	06 Nov 2025	21	13.63	97.27	6.8	33.31	7.9	25.0	0.65
I33	06 Nov 2025	22	13.56	97.56	6.8	33.32	7.9	25.0	0.71
I33	06 Nov 2025	23	13.59	97.90	6.8	33.31	7.9	25.0	0.79
I33	06 Nov 2025	24	13.55	97.91	6.8	33.32	7.9	25.0	0.76
I33	06 Nov 2025	25	13.55	97.86	6.8	33.32	7.9	25.0	0.85
I33	06 Nov 2025	26	13.50	97.77	6.8	33.32	7.9	25.0	0.75
I33	06 Nov 2025	27	13.45	97.79	6.7	33.33	7.9	25.0	0.72
I33	06 Nov 2025	28	13.42	97.65	6.7	33.33	7.9	25.0	0.69
I33	06 Nov 2025	29	13.40	97.54	6.7	33.33	7.9	25.0	0.67
I33	06 Nov 2025	30	13.40	97.47	6.6	33.33	7.9	25.0	0.68
I34	06 Nov 2025	1	17.37	93.99	8.6	33.31	8.1	24.1	0.89
I34	06 Nov 2025	2	17.37	94.15	8.6	33.31	8.1	24.1	0.88
I34	06 Nov 2025	3	17.37	94.17	8.6	33.31	8.1	24.1	0.97
I34	06 Nov 2025	4	17.37	94.21	8.6	33.31	8.1	24.1	1.02
I34	06 Nov 2025	5	17.37	94.14	8.6	33.31	8.1	24.1	1.08
I34	06 Nov 2025	6	17.37	94.20	8.5	33.31	8.1	24.1	1.15
I34	06 Nov 2025	7	17.14	94.29	8.4	33.30	8.1	24.2	1.16
I34	06 Nov 2025	8	16.25	94.53	8.3	33.30	8.1	24.4	1.07
I34	06 Nov 2025	9	15.19	95.65	8.1	33.30	8.0	24.6	1.02
I34	06 Nov 2025	10	14.78	96.47	7.8	33.30	8.0	24.7	0.91
I34	06 Nov 2025	11	14.61	96.68	7.7	33.29	8.0	24.7	1.10
I34	06 Nov 2025	12	14.59	97.08	7.7	33.28	8.0	24.7	0.91
I34	06 Nov 2025	13	14.54	97.05	7.6	33.28	8.0	24.7	0.92
I34	06 Nov 2025	14	14.50	97.24	7.5	33.28	8.0	24.8	0.99
I34	06 Nov 2025	15	14.47	97.19	7.4	33.29	8.0	24.8	0.84

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I34	06 Nov 2025	16	14.41	97.56	7.4	33.28	8.0	24.8	0.83
I34	06 Nov 2025	17	14.33	97.57	7.4	33.29	8.0	24.8	0.80
I34	06 Nov 2025	18	14.31	97.58	7.3	33.29	8.0	24.8	0.82
I34	06 Nov 2025	19	14.16	97.26	7.2	33.29	8.0	24.8	0.81
I35	06 Nov 2025	1	17.41	88.79	8.1	33.34	8.1	24.1	1.05
I35	06 Nov 2025	2	17.32	88.40	8.1	33.34	8.1	24.2	1.07
I35	06 Nov 2025	3	17.26	85.98	7.9	33.35	8.1	24.2	1.77
I35	06 Nov 2025	4	17.15	83.77	7.7	33.34	8.0	24.2	2.46
I35	06 Nov 2025	5	16.62	82.86	7.7	33.32	8.0	24.3	2.64
I35	06 Nov 2025	6	16.24	83.41	7.7	33.31	8.0	24.4	2.25
I35	06 Nov 2025	7	15.89	86.31	7.6	33.30	8.0	24.5	1.86
I35	06 Nov 2025	8	15.56	88.93	7.5	33.30	8.0	24.5	1.47
I35	06 Nov 2025	9	15.24	89.76	7.4	33.30	8.0	24.6	1.34
I35	06 Nov 2025	10	14.91	90.81	7.2	33.29	8.0	24.7	1.19
I35	06 Nov 2025	11	14.56	91.41	7.2	33.29	8.0	24.7	1.05
I35	06 Nov 2025	12	14.43	91.78	7.2	33.29	8.0	24.8	0.97
I35	06 Nov 2025	13	14.41	93.19	7.2	33.28	8.0	24.8	0.91
I35	06 Nov 2025	14	14.36	94.25	7.2	33.28	8.0	24.8	0.91
I35	06 Nov 2025	15	14.30	94.47	7.2	33.28	8.0	24.8	0.87
I35	06 Nov 2025	16	14.22	94.40	7.1	33.29	8.0	24.8	0.85
I35	06 Nov 2025	17	14.16	93.91	7.0	33.29	8.0	24.8	0.88
I35	06 Nov 2025	18	14.15	91.36	6.9	33.30	8.0	24.8	0.85
I35	06 Nov 2025	19	14.14	86.44	6.8	33.30	8.0	24.8	0.86
I36	06 Nov 2025	1	17.13	78.54	8.3	33.31	8.1	24.2	3.61
I36	06 Nov 2025	2	17.19	79.00	8.3	33.31	8.1	24.2	2.71
I36	06 Nov 2025	3	17.10	79.08	8.3	33.31	8.1	24.2	3.10
I36	06 Nov 2025	4	17.06	78.39	8.2	33.31	8.1	24.2	4.23
I36	06 Nov 2025	5	17.01	77.35	8.1	33.31	8.1	24.2	4.66
I36	06 Nov 2025	6	16.74	77.26	8.0	33.31	8.1	24.3	4.39
I36	06 Nov 2025	7	16.49	77.84	7.8	33.30	8.0	24.3	4.16
I36	06 Nov 2025	8	15.80	78.97	7.8	33.29	8.0	24.5	3.84
I36	06 Nov 2025	9	15.64	81.72	7.5	33.28	8.0	24.5	4.30
I36	06 Nov 2025	10	15.59	79.11	6.9	33.28	8.0	24.5	4.28
I36	06 Nov 2025	11	15.37	72.78	6.4	33.29	7.9	24.6	3.31
I37	06 Nov 2025	1	17.18	88.53	8.2	33.33	8.0	24.2	1.63
I37	06 Nov 2025	2	17.18	88.67	8.2	33.33	8.0	24.2	1.66
I37	06 Nov 2025	3	17.18	88.62	8.2	33.33	8.0	24.2	1.74
I37	06 Nov 2025	4	17.18	88.72	8.2	33.33	8.0	24.2	1.81
I37	06 Nov 2025	5	17.17	89.07	8.2	33.33	8.0	24.2	1.85
I37	06 Nov 2025	6	17.07	89.00	8.1	33.33	8.0	24.2	2.16
I37	06 Nov 2025	7	16.97	86.77	8.0	33.33	8.0	24.2	2.47
I37	06 Nov 2025	8	16.62	85.45	7.8	33.30	8.0	24.3	2.35
I37	06 Nov 2025	9	15.31	87.11	7.7	33.29	8.0	24.6	1.59
I37	06 Nov 2025	10	14.99	90.74	7.6	33.30	8.0	24.7	0.89
I37	06 Nov 2025	11	14.89	92.69	7.6	33.29	8.0	24.7	0.91
I37	06 Nov 2025	12	14.72	92.57	7.6	33.28	8.0	24.7	0.96
I38	06 Nov 2025	1	17.52	85.20	8.7	33.31	8.1	24.1	1.10
I38	06 Nov 2025	2	17.45	85.30	8.7	33.31	8.1	24.1	1.03
I38	06 Nov 2025	3	17.37	84.56	8.7	33.31	8.1	24.1	1.44
I38	06 Nov 2025	4	17.34	83.03	8.7	33.31	8.1	24.1	2.17
I38	06 Nov 2025	5	17.31	82.52	8.6	33.31	8.1	24.1	2.67
I38	06 Nov 2025	6	17.09	82.66	8.4	33.30	8.1	24.2	3.16
I38	06 Nov 2025	7	16.28	82.09	8.1	33.28	8.1	24.4	3.72
I38	06 Nov 2025	8	15.81	79.87	7.5	33.28	8.0	24.5	4.63
I38	06 Nov 2025	9	15.50	77.76	6.7	33.29	7.9	24.5	6.44
I38	06 Nov 2025	10	15.34	71.51	6.4	33.29	7.9	24.6	3.86

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
I38	06 Nov 2025	11	15.21	71.72	6.3	33.30	7.9	24.6	2.27

NA = not available

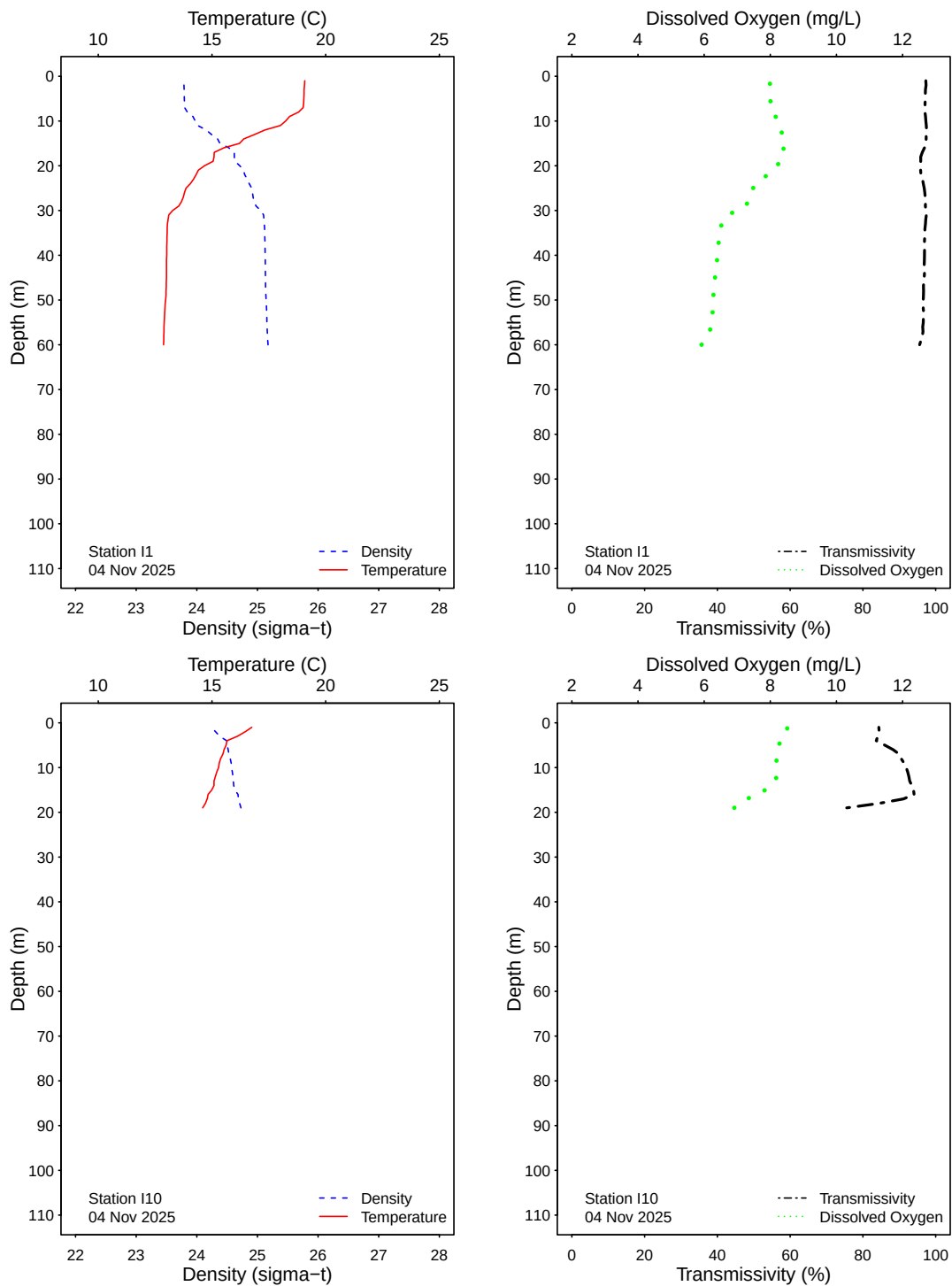


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

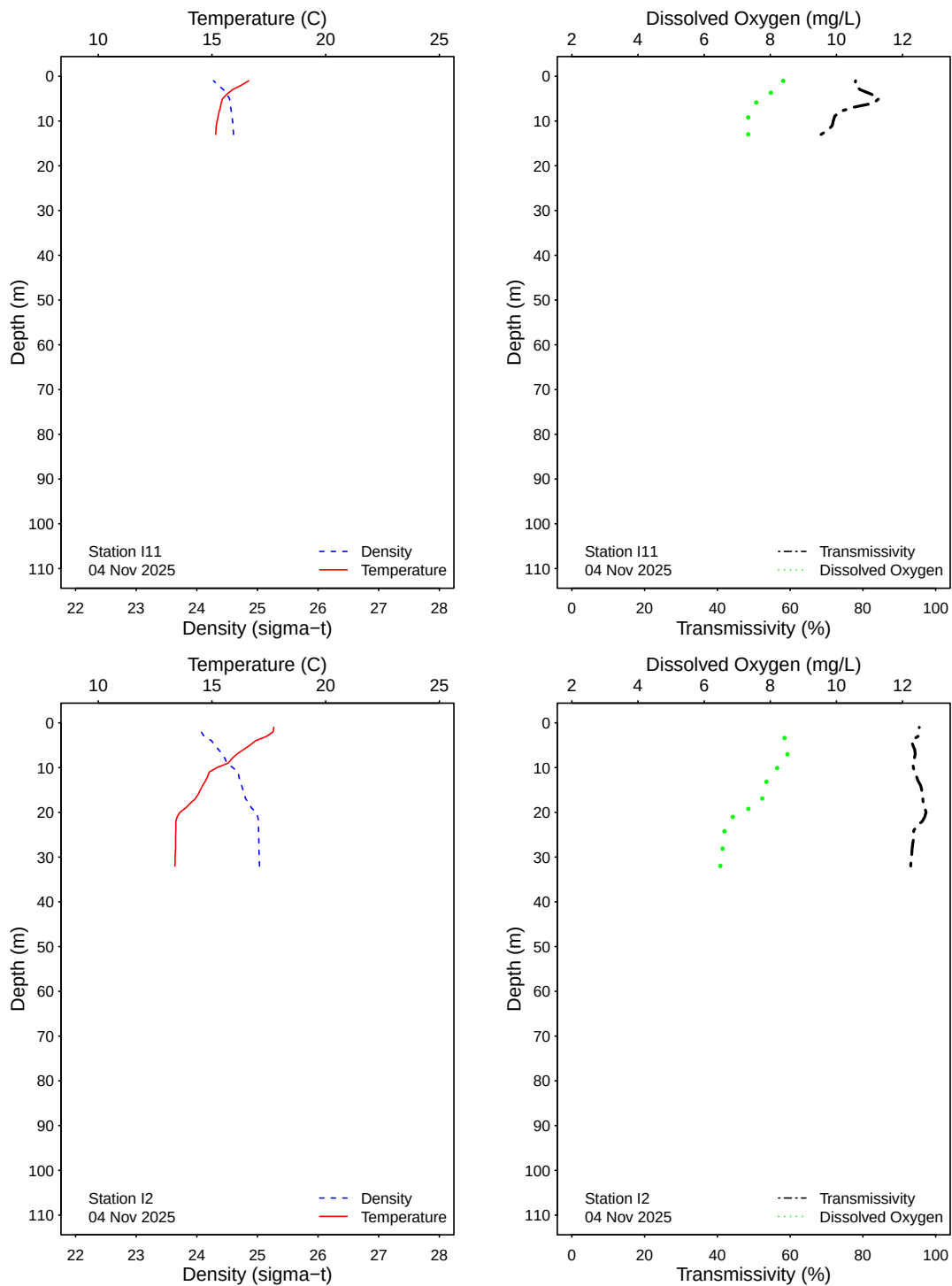


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

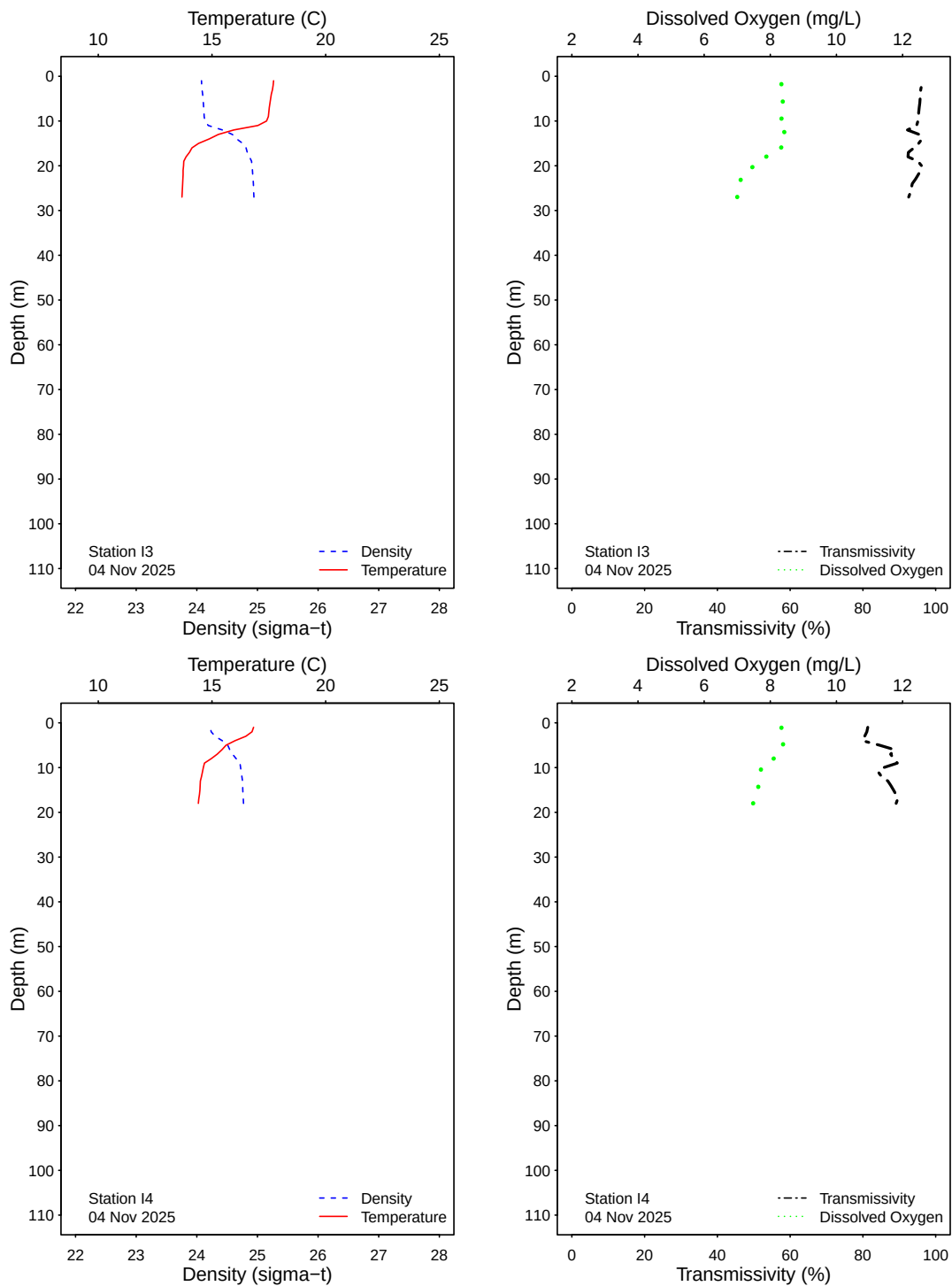


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

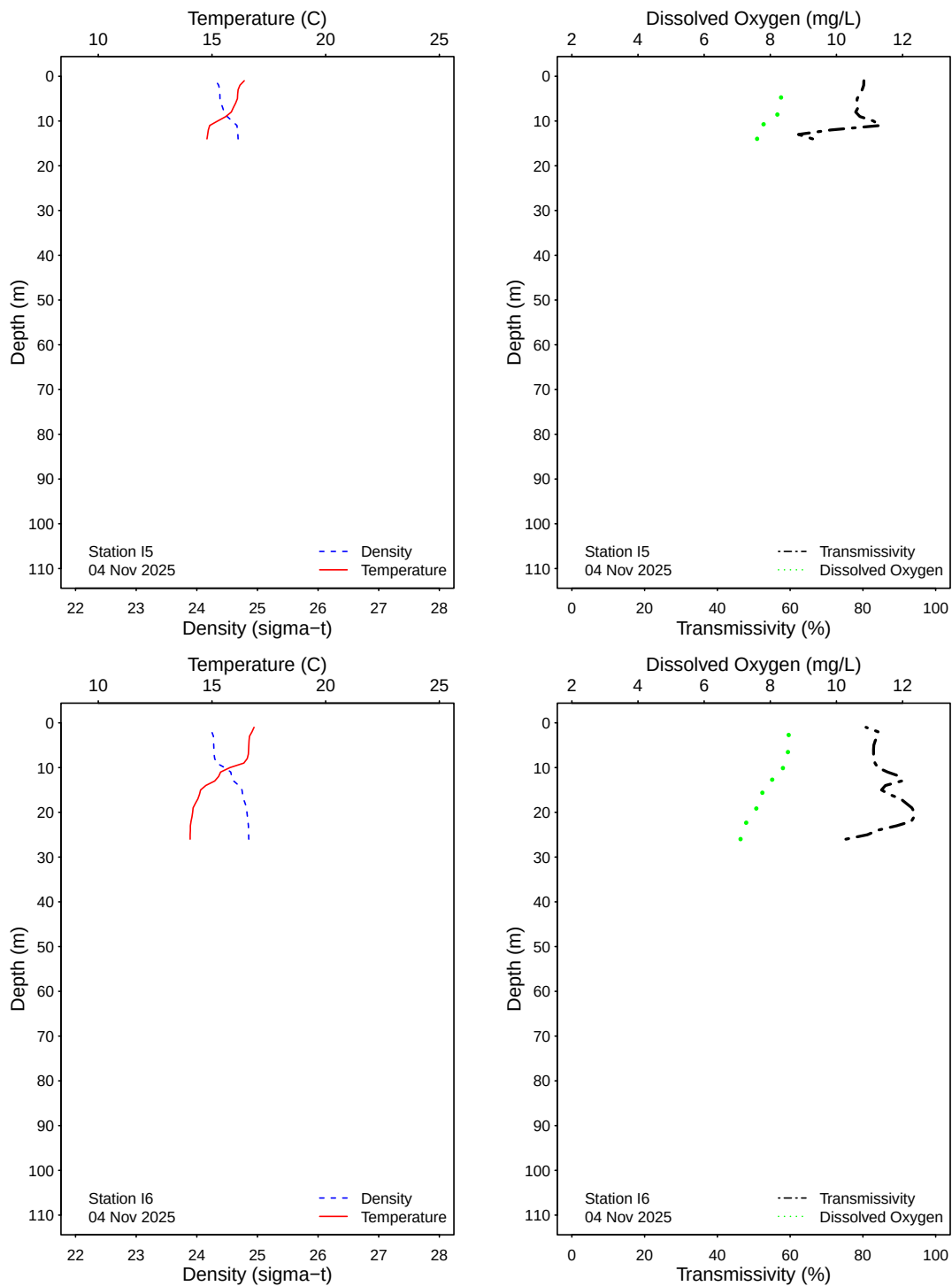


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

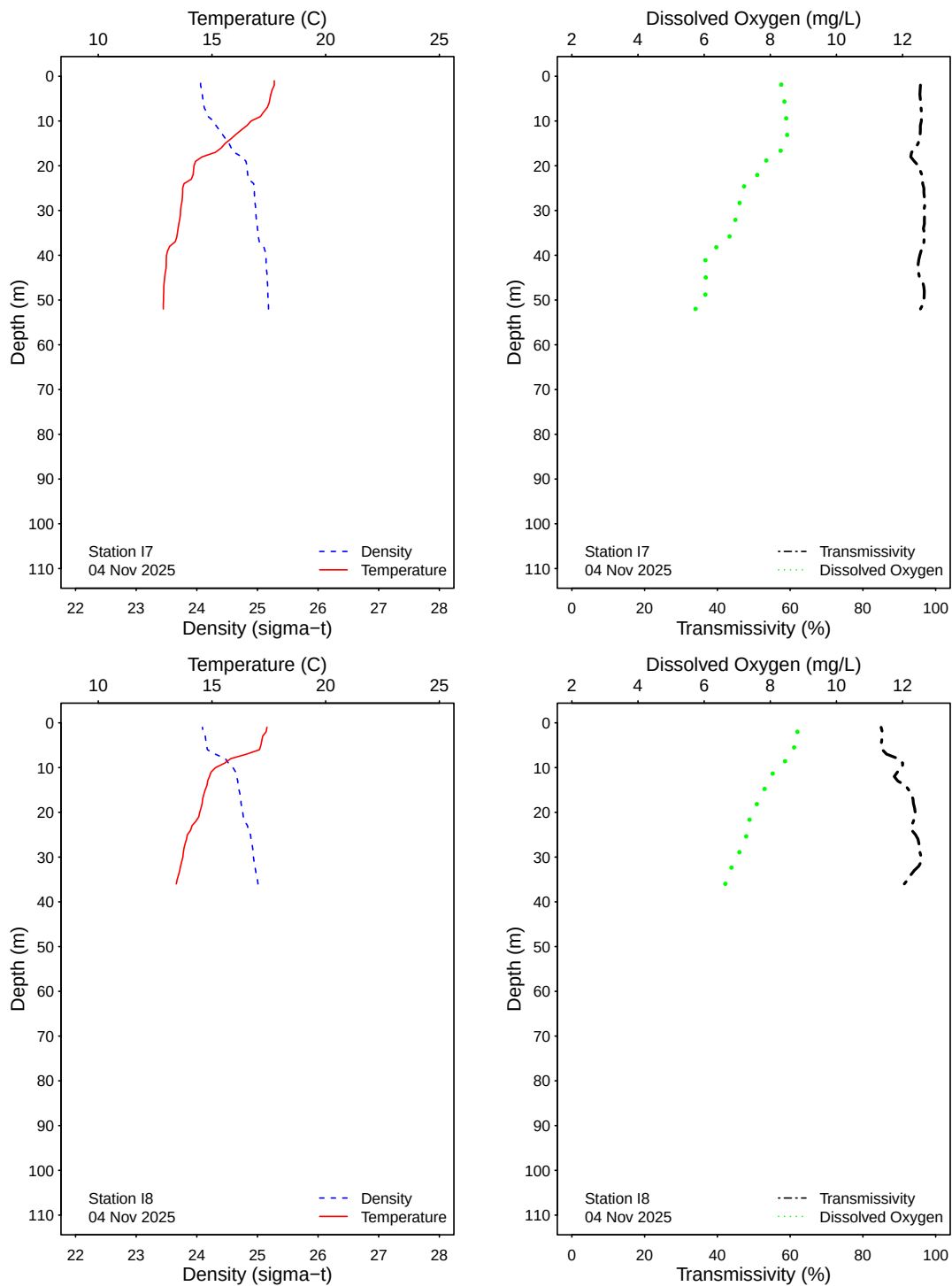


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

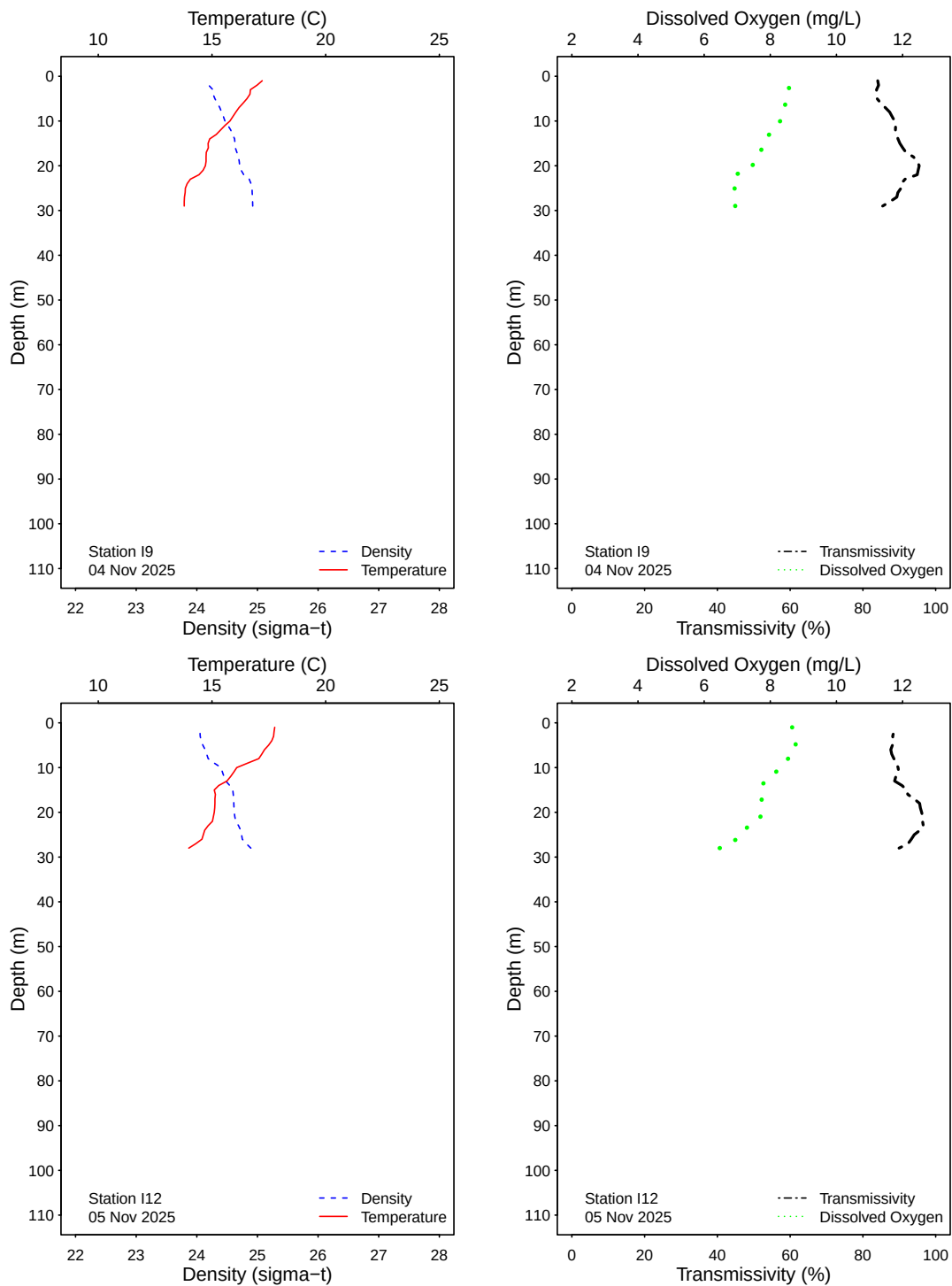


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

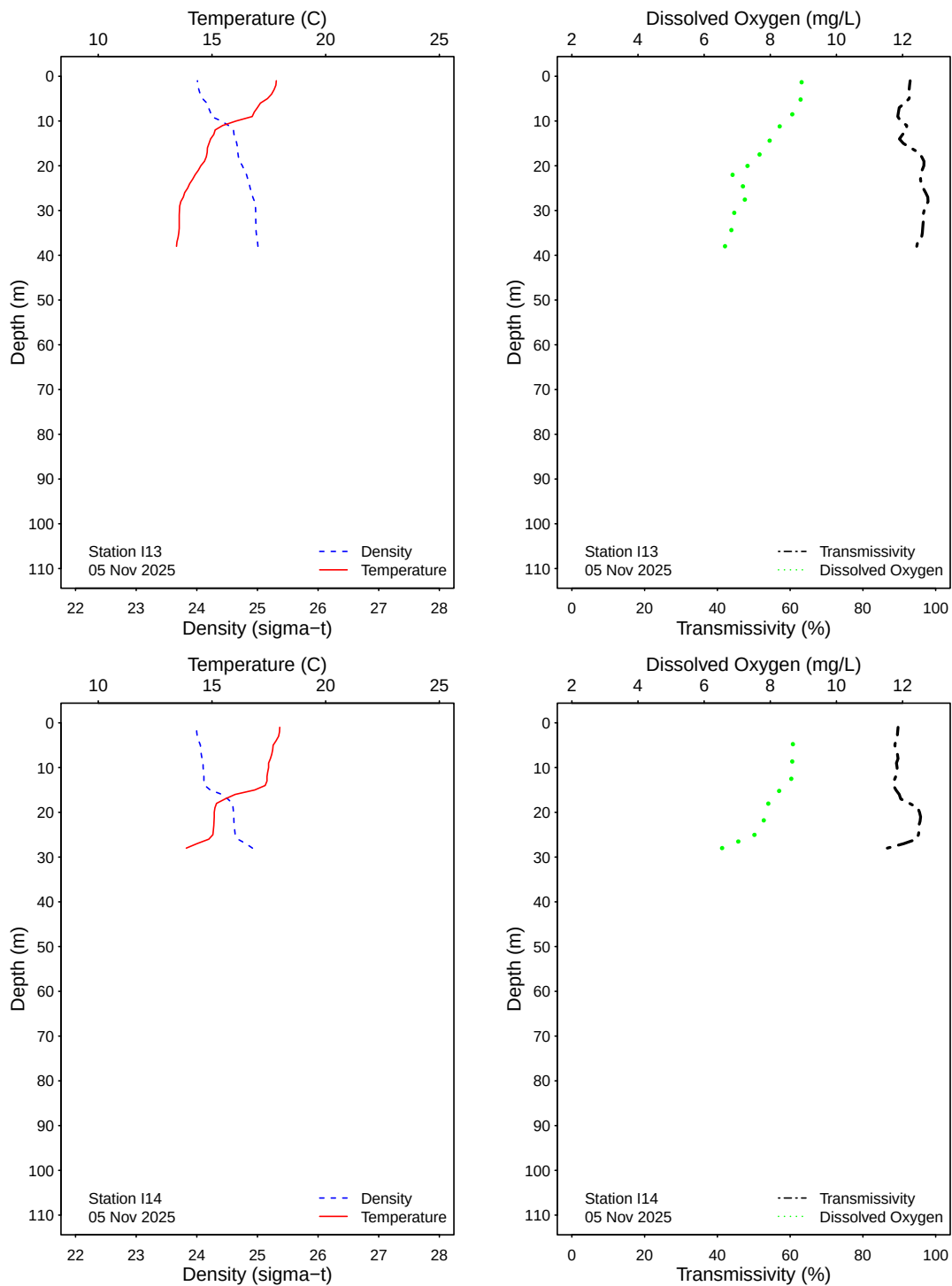


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

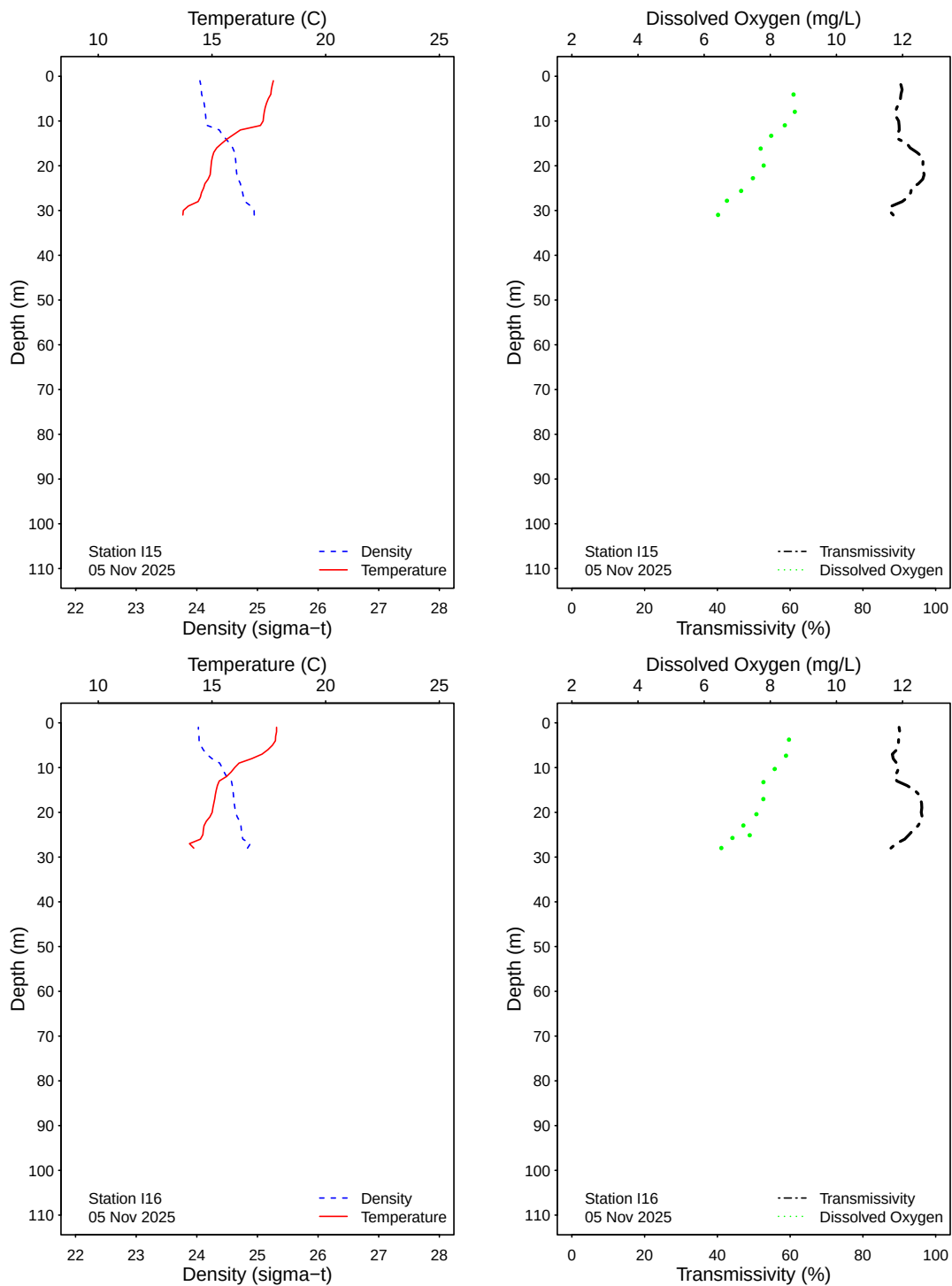


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

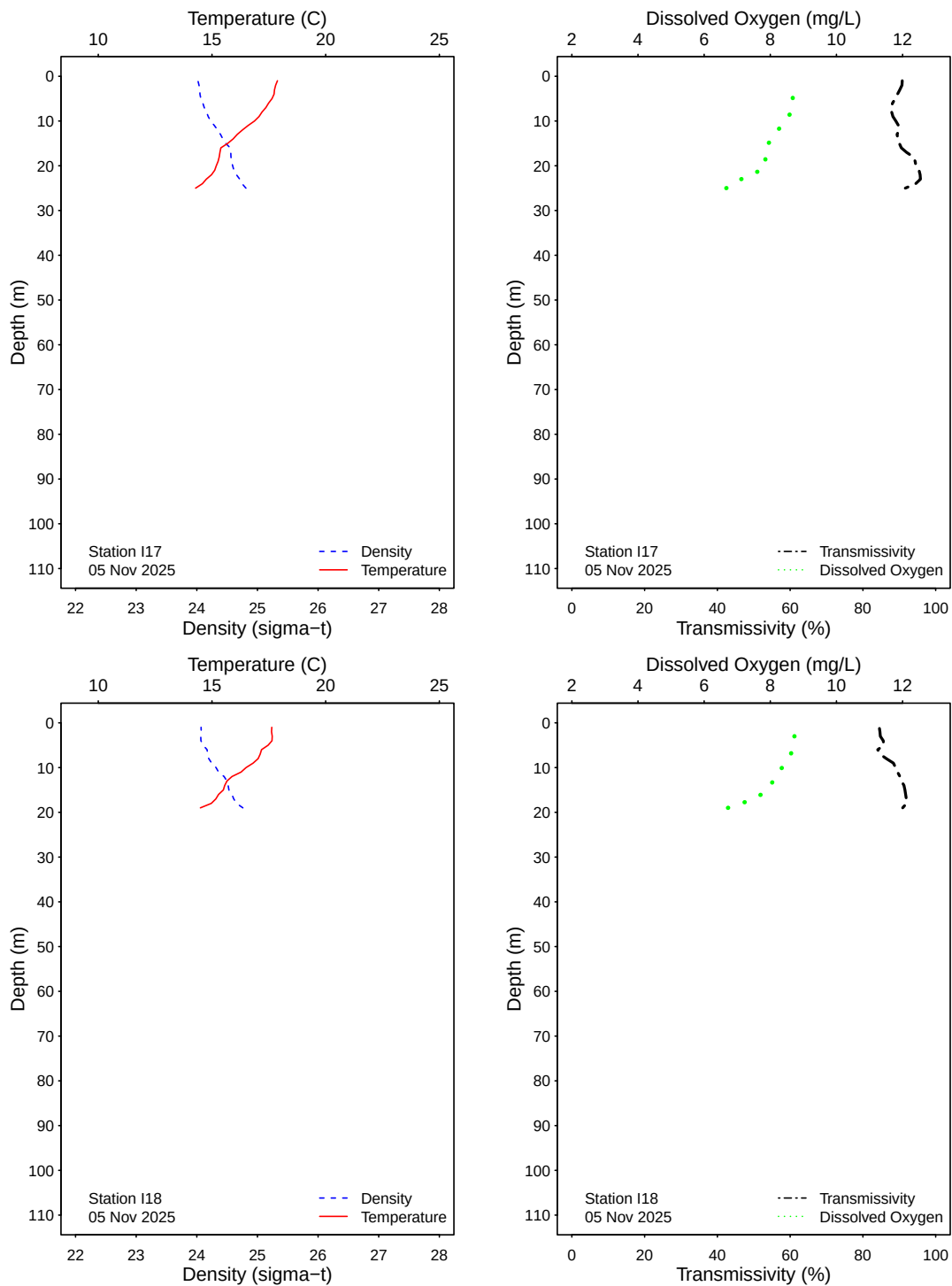


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

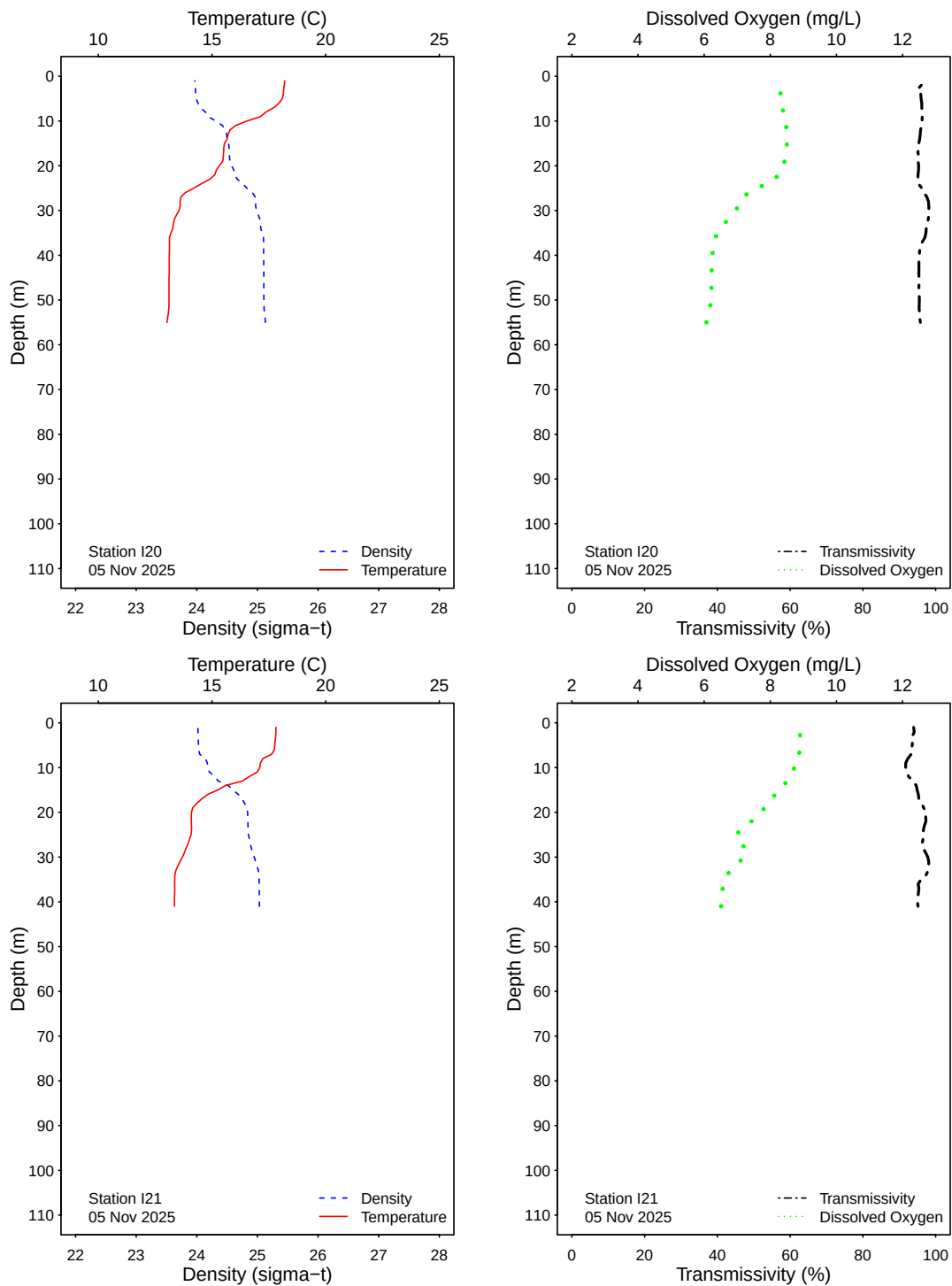


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

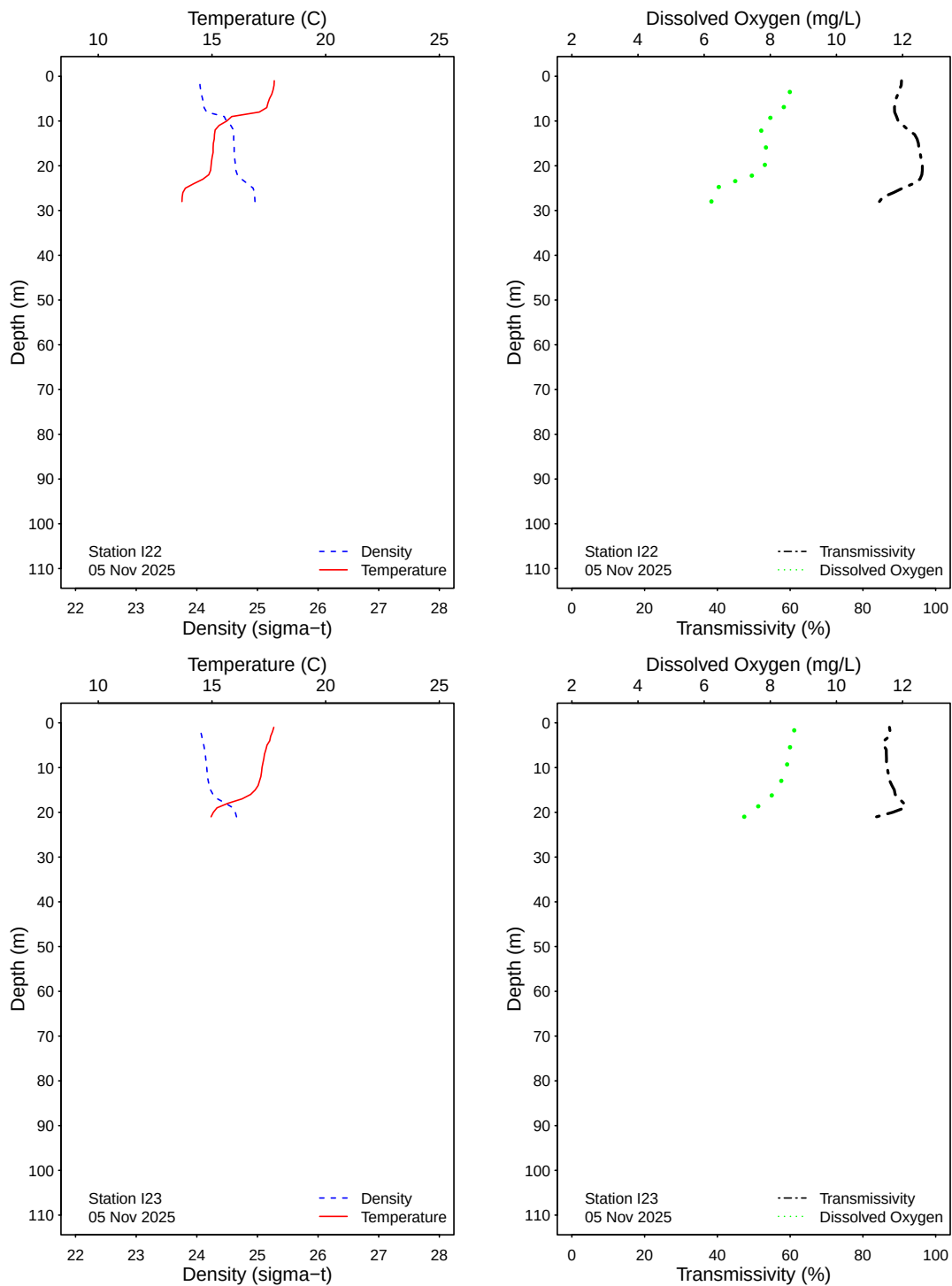


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

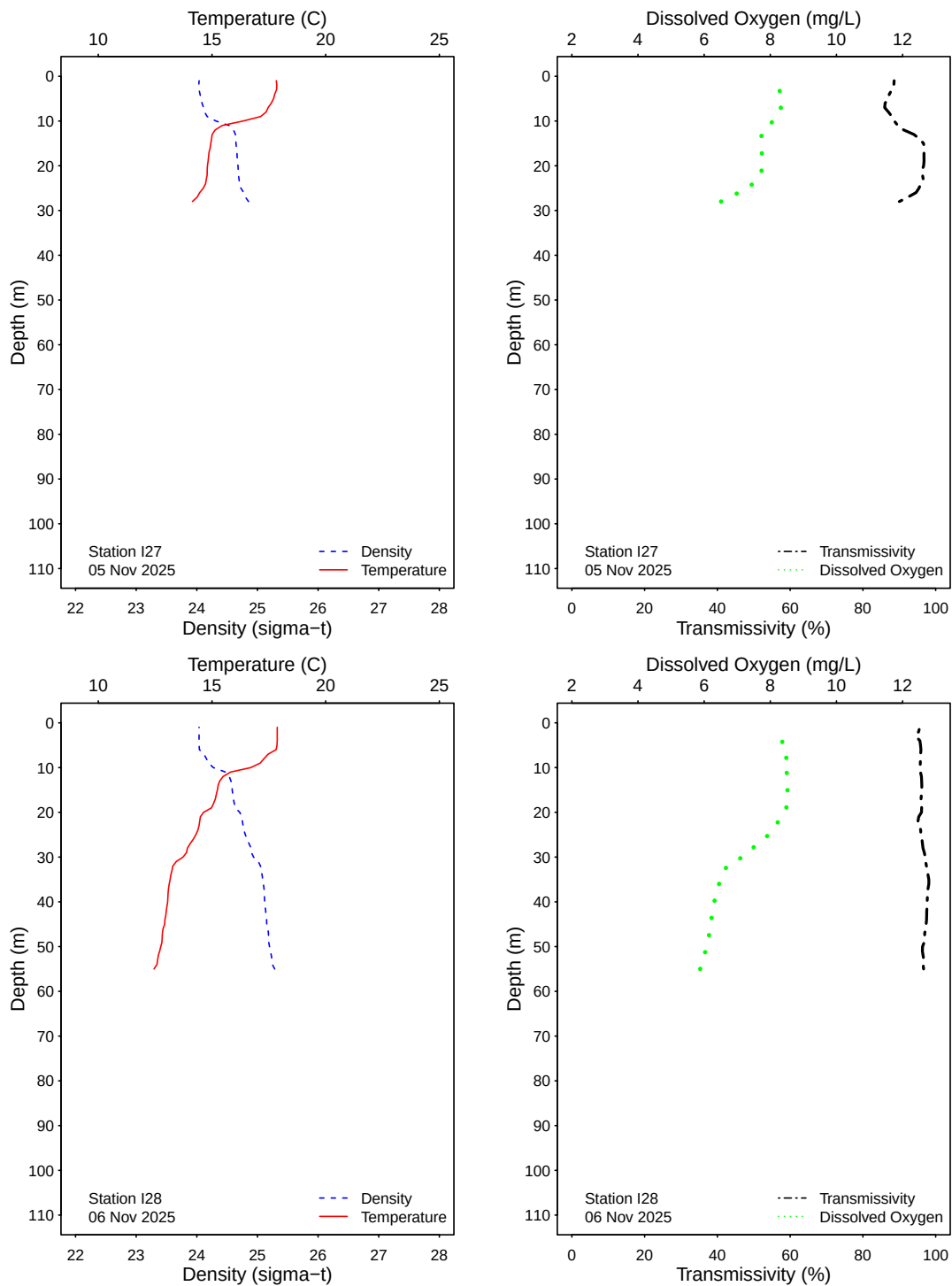


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

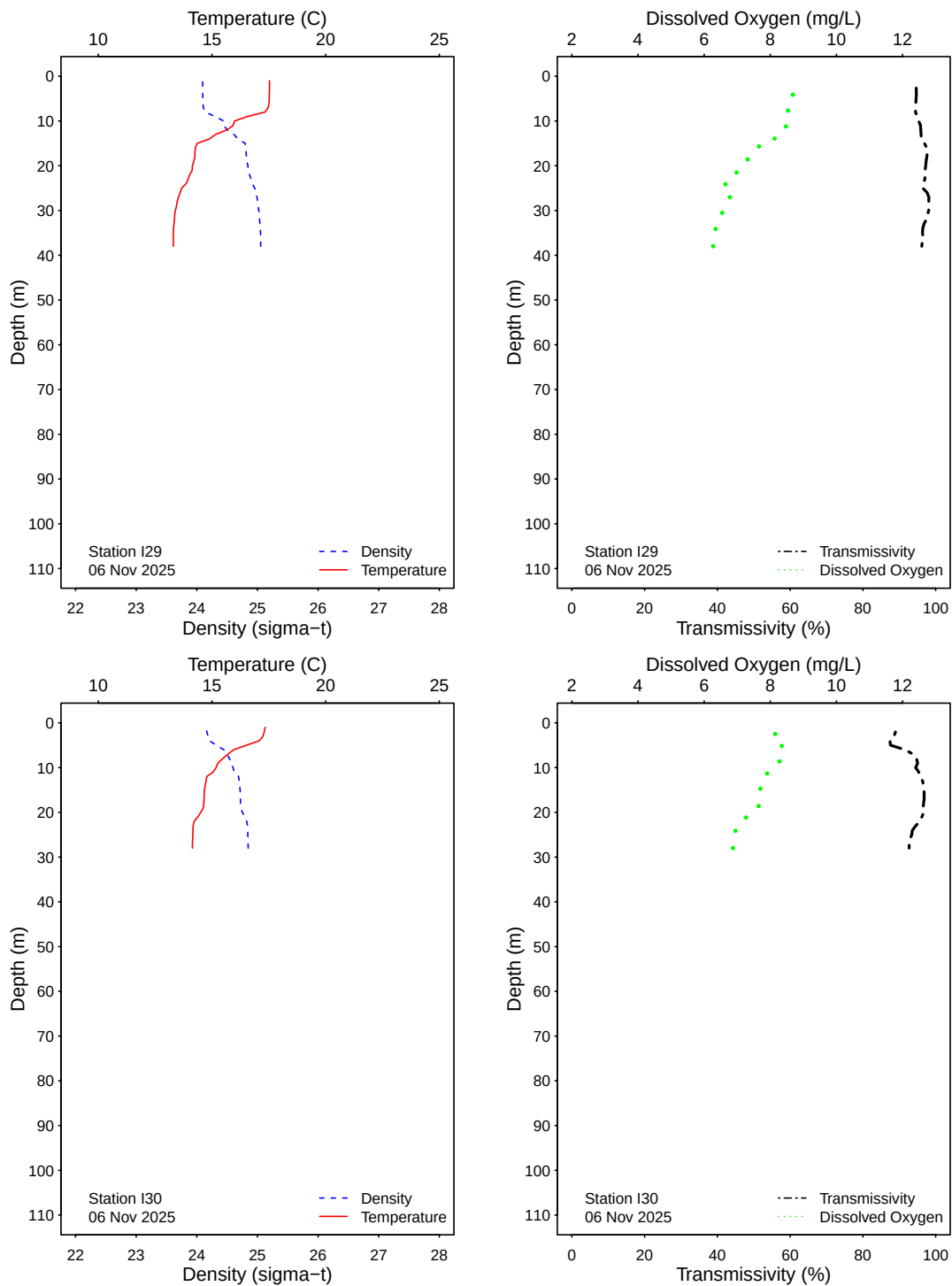


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

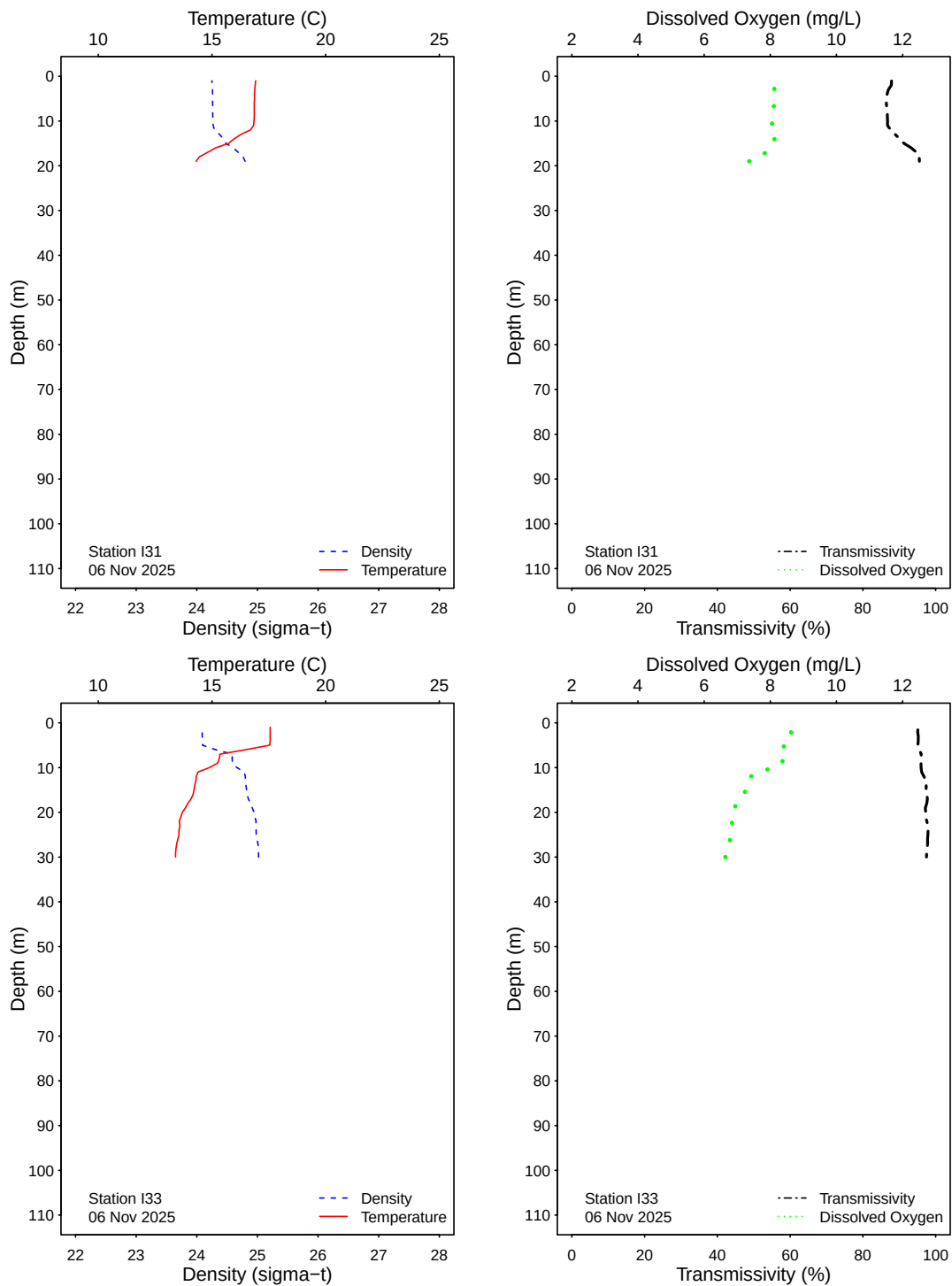


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

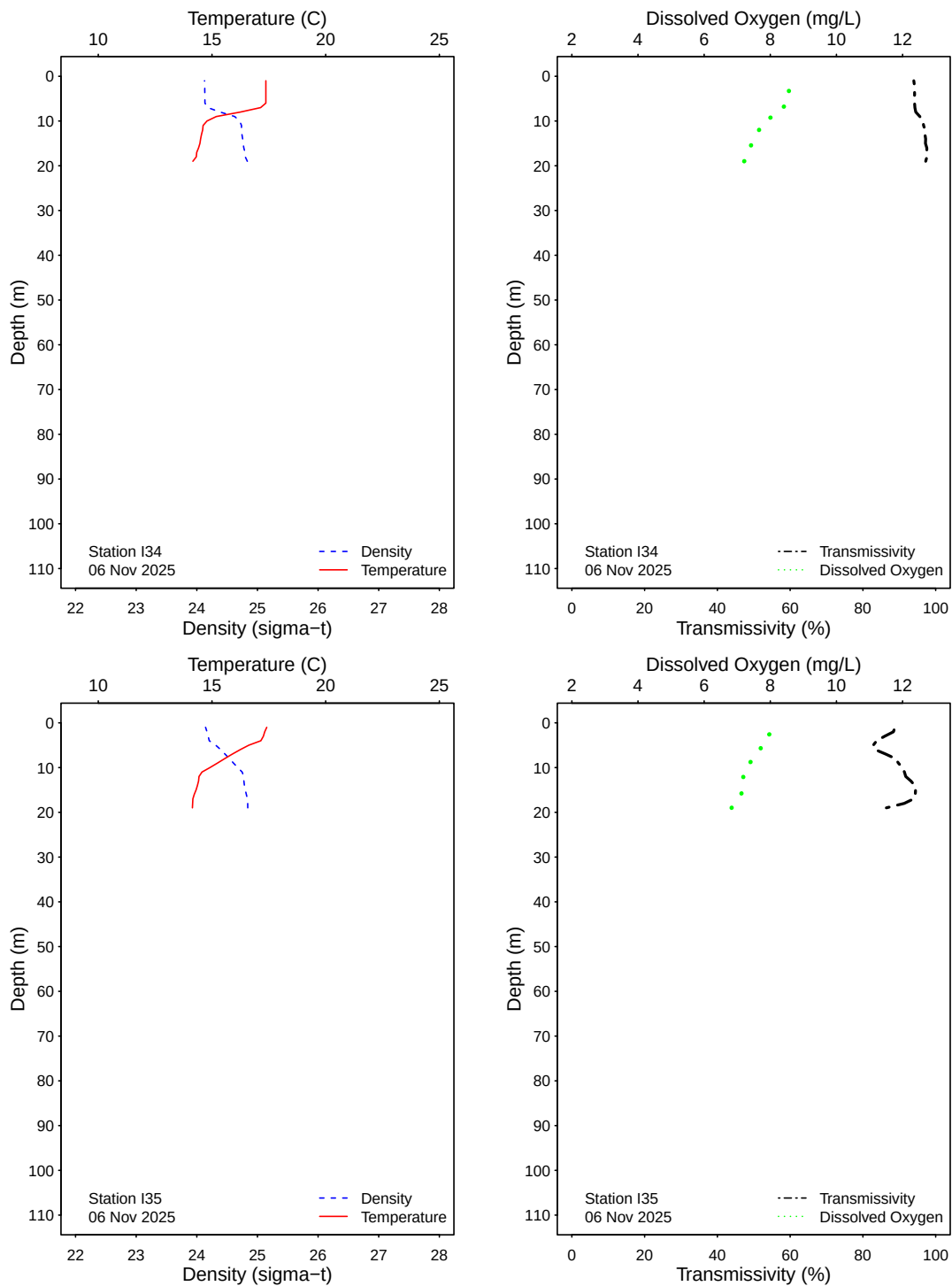


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

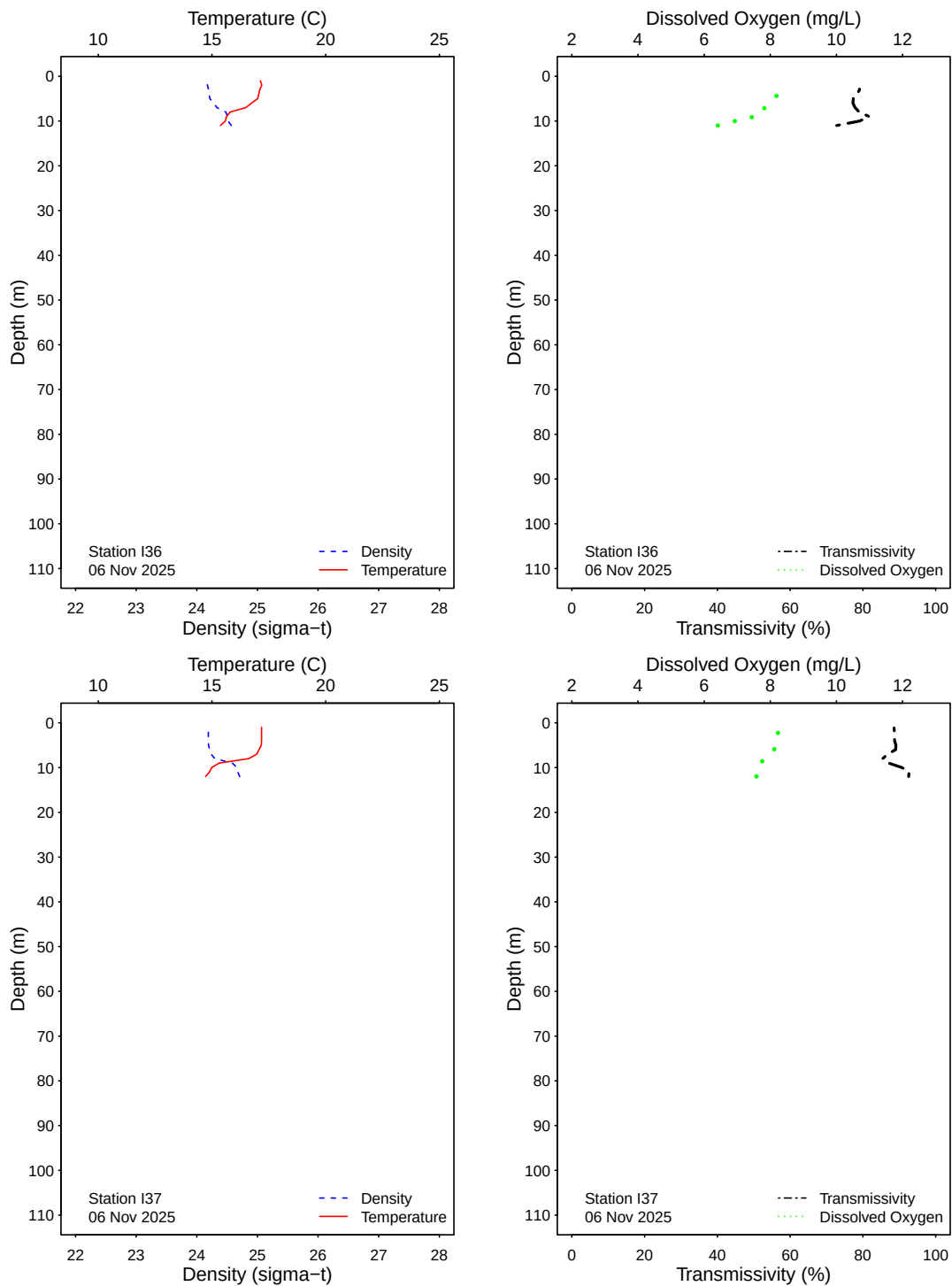


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

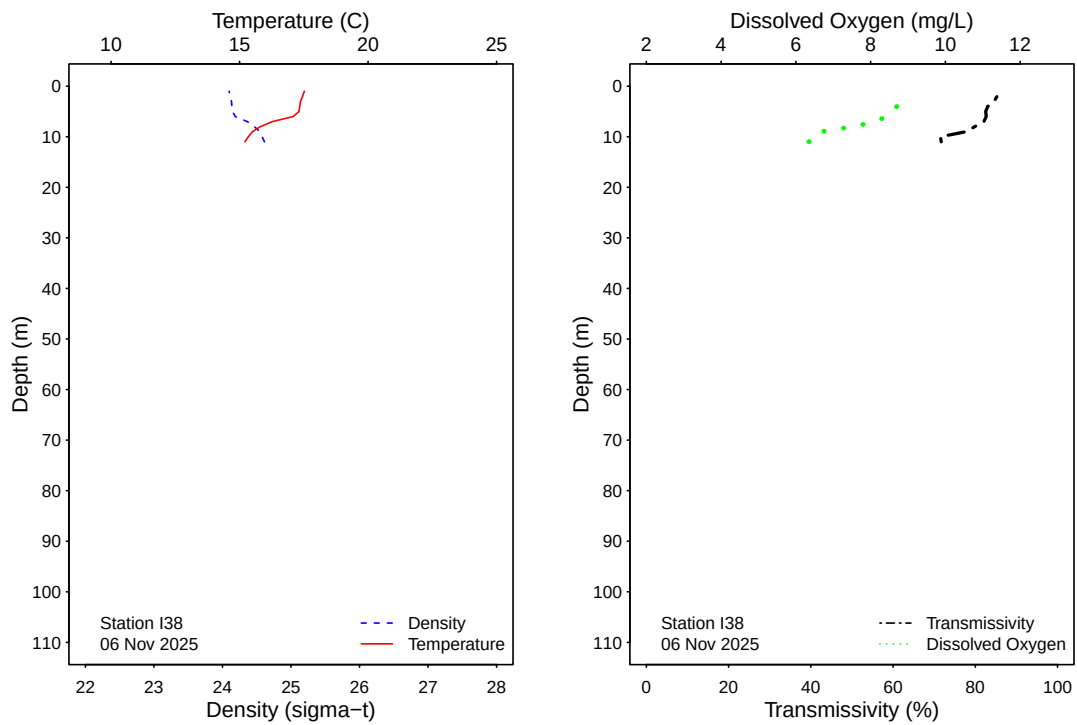


Figure 4.1: Graphics of CTD profile data from the SBOO offshore stations for each sample date.

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APPENDIX A

Quality Assurance

Table A.1

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

Station	Date	Depth	Analyst	Procedure	Total	Fecal	Entero
I3	04 Nov 2025	18	ADG	LAB DUPLICATE	2	2	2
I9	04 Nov 2025	27	ADG	LAB DUPLICATE	18	4	2
I8	04 Nov 2025	37	ADG	LAB DUPLICATE	2	2	2
I12	05 Nov 2025	18	KT	LAB DUPLICATE	540	80	66
I19	03 Nov 2025	6	JF	LAB DUPLICATE	20	2	2
I19	10 Nov 2025	6	KT	LAB DUPLICATE	60	8	4
I19	17 Nov 2025	6	NCD	LAB DUPLICATE	9400	1800	2200
I19	25 Nov 2025	6	SS	LAB DUPLICATE	2600	500	28
I13	05 Nov 2025	18	KT	LAB DUPLICATE	360	60	28
I16	05 Nov 2025	18	KT	LAB DUPLICATE	4	2	4
I40	03 Nov 2025	6	JF	LAB DUPLICATE	60	2	2
I40	10 Nov 2025	6	KT	LAB DUPLICATE	2	2	2
I40	17 Nov 2025	6	NCD	LAB DUPLICATE	2000	320	280
I40	25 Nov 2025	6	SS	LAB DUPLICATE	5600	660	36
S12	04 Nov 2025		ADG	LAB DUPLICATE	20	2	2
S12	04 Nov 2025		ADG	FIELD DUPLICATE	40	2	2
S12	12 Nov 2025		KT	FIELD DUPLICATE	8800	3000	82
S12	12 Nov 2025		KT	LAB DUPLICATE	9600	3200	100
S12	17 Nov 2025		KT	FIELD DUPLICATE	ns	8800	ns
S12	17 Nov 2025		KT	LAB DUPLICATE	ns	10000	ns
S12	18 Nov 2025		KT	FIELD DUPLICATE	2200	320	40
S12	18 Nov 2025		KT	LAB DUPLICATE	1600	320	80
S12	25 Nov 2025		KT	FIELD DUPLICATE	340	28	2
S12	25 Nov 2025		KT	LAB DUPLICATE	320	28	2
I30	06 Nov 2025	27	JF	LAB DUPLICATE	2	2	2
I36	06 Nov 2025	11	JF	FIELD DUPLICATE	2	2	2
I36	06 Nov 2025	11	JF	LAB DUPLICATE	6	2	2

ns = not sampled

ND = no data

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