



POINT LOMA OCEAN OUTFALL MONTHLY RECEIVING WATERS MONITORING REPORT

POINT LOMA WASTEWATER TREATMENT PLANT

NPDES Permit No. CA0107409
SDRWQCB Order No. R9-2017-0007

SEPTEMBER 2024

Environmental Monitoring and Technical Services
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October 31, 2024

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

Attention: POTW Compliance Unit

Dear Mr. Gibson:

Enclosed is the September 2024 Monthly Receiving Waters Monitoring Report for the Point Loma Ocean Outfall, Point Loma Wastewater Treatment Plant as required per Order No. R9-2017-0007, NPDES Permit No. CA0107409.

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

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

Sincerely,



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

PV/rk

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

INTRODUCTION

Monthly reports of water quality and ocean conditions for the San Diego coastal region surrounding the Point Loma Ocean Outfall are submitted to the San Diego Regional Water Quality Control Board and U.S. EPA Region 9 in accordance with Order No. R9-2017-0007, NPDES Permit No. CA0107409 for the Point Loma Wastewater Treatment Plant (PLWTP), Point Loma Ocean Outfall (PLOO). 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 PLWTP are presented in separate reports.

MATERIALS AND METHODS

Shore Stations

Water quality conditions are required to be monitored at eight shoreline stations, including D4, D5, D7, D8, D9, D10, D11 and D12, which range from the tip of the Point Loma Peninsula to west of Mission Bay (see station locations map). Over the past several years, due to increasing instability in several cliffside areas of Point Loma, City staff have been unable to safely access and sample several stations at various times. This has resulted in the following modifications:

- Station D8 was replaced by alternate station D8-A during July 2016, which was subsequently replaced by station D8-B in March 2018, after which sampling at station D8-A resumed in December 2020. Due to recent access issues at D8-A, sampling resumed at D8-B during February 2021.

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

Kelp Bed Stations

The eight kelp stations are sampled weekly according to permit specifications to monitor water quality conditions within the Point Loma kelp forest. These stations include three sites located along the inshore edge of the kelp bed paralleling the 9-m depth contour (i.e., stations C4, C5 and C6), and five sites located near the offshore edge of the kelp bed along the 18-m depth contour (i.e., stations A1, A6, A7, C7 and C8).

Routine weekly monitoring at each of the kelp bed sites consists primarily of collecting seawater samples at discrete depths to determine concentrations of fecal indicator bacteria (i.e., total coliforms, fecal coliforms, and *Enterococcus*). Water column profiles of various physical/chemical parameters are also generated during each sampling event, and visual observations of weather and water conditions are recorded at each station.

Seawater samples at the kelp bed stations are collected using a CTD-integrated rosette sampler with Niskin bottles. Aliquots for bacteriological analyses are drawn from these bottles into sterile sample bottles for processing at the City's Marine Microbiology Laboratory. Water column

profiles of temperature, transmissivity, dissolved oxygen, pH, salinity, density, chlorophyll *a* are generated using a Sea-Bird conductivity, temperature and depth instrument (CTD), which collects these data at a rate of ≥ 4 scans per second. These scans are then internally averaged to create water column profiles with data readings at a rate of one per meter. Additionally, CTD profile data for each water sample depth are presented with the bacteriological data.

Offshore Stations

Offshore water quality sampling is conducted quarterly typically during the months of February, May, August, and November. A total of 36 offshore stations (F01–F36) are sampled during each survey usually over a 3-day period. Three of the stations (F01–F03) are located along the 18 m depth contour, while 11 stations are located along each of the following contours: 60 m (stations F04–F14), 80 m (stations F15–F25), and 98 m (stations F26–F36). Of these 36 stations, 15 (F01–F03, F06–F14, F18–F20) are located within State jurisdictional waters (i.e., within 3 nautical miles of shore) and are subject to the California Ocean Plan’s compliance standards. Monitoring at all offshore sites includes measurements of *Enterococcus* bacteria, water temperature, salinity, density, dissolved oxygen, pH, chlorophyll *a*, transmissivity, chromomorphpic dissolved organic matter (CDOM), and visual observations of weather and water conditions.

Seawater samples for bacteriological analyses at the offshore stations are collected using a CTD-integrated rosette sampler with Niskin bottles. Profiles of the various physical/chemical parameters (listed above) are taken using a Sea-Bird CTD. Additionally, data for depths closest to those at which bacteriological samples were collected are extracted from the CTD profiles and 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 geometric mean and single sample maximum water-contact standards specified in the California Ocean Plan. The seven standards are defined as follows:

30-day Geometric Mean: The following standards are based on the geometric mean of the five most recent samples from each site.

- (1) Total coliform density shall not exceed 1000 CFU/100 mL;
- (2) Fecal coliform density shall not exceed 200 CFU/100 mL;
- (3) *Enterococcus* density shall not exceed 35 CFU/100 mL

Single Sample Maximums:

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.

- (1) Total coliform density shall not exceed 10,000 CFU/100 mL;
- (2) Fecal coliform density shall not exceed 400 CFU/100 mL;
- (3) *Enterococcus* density shall not exceed 104 CFU/100 mL;
- (4) Total coliform density shall not exceed 1,000 CFU/100 mL when the fecal coliform/total coliform ratio exceeds 0.1.

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 the same throughout field and lab procedures. The results of these analyses provide a measure of precision associated with sample collection, preservation, storage, and lab procedures. The sign test (see Gilbert, 1987²) is used to statistically compare both the results from the laboratory duplicates, as well as the results from the field duplicates. These data will be further analyzed in the City's 2024 Quality Assurance Report, which will be completed in March 2025.

SUMMARY OF RESULTS

As of October 2020, new 2019 Ocean Plan Water Quality Objectives are included for *Enterococcus* and total coliforms, see Appendix B.

Shore Stations

- The eight shore stations (D4, D5, D7, D8-B, D9, D10, D11, D12) were sampled on September 4, 11, 18, and 26.
- During the September reporting period, each of the eight shore stations was in compliance with the various 2015 California Ocean Plan (Ocean Plan) water contact standards.
- A sewage-like odor was observed at station D5 on one or more days in September.
- Over the years, elevated bacteria levels at shore and kelp bed stations have tended to be associated with rainfall events, heavy recreational use, or the presence of seabirds or decaying kelp and surf grass. 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 Stations

- The eight kelp bed water quality stations (A1, A6, A7, C4, C5, C6, C7, C8) were sampled on September 3, 10, 17, 24, and 30.
- During the September reporting period, each of the eight kelp stations was in compliance with the various 2015 California Ocean Plan (Ocean Plan) water contact standards.
- Water column temperatures ranged from 11.86 to 22.81°C. The difference between surface and bottom waters ranged from 1.99 to 10.18°C.

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

- Chlorophyll *a* concentrations ranged from 0.12 to 3.31 µg/L.
- Nothing of sewage origin was observed at PLOO kelp stations in September.

Offshore Stations

- Quarterly water quality sampling was not conducted during September at the offshore stations. The next quarterly sampling is scheduled for November 2024.



TABLES AND FIGURES

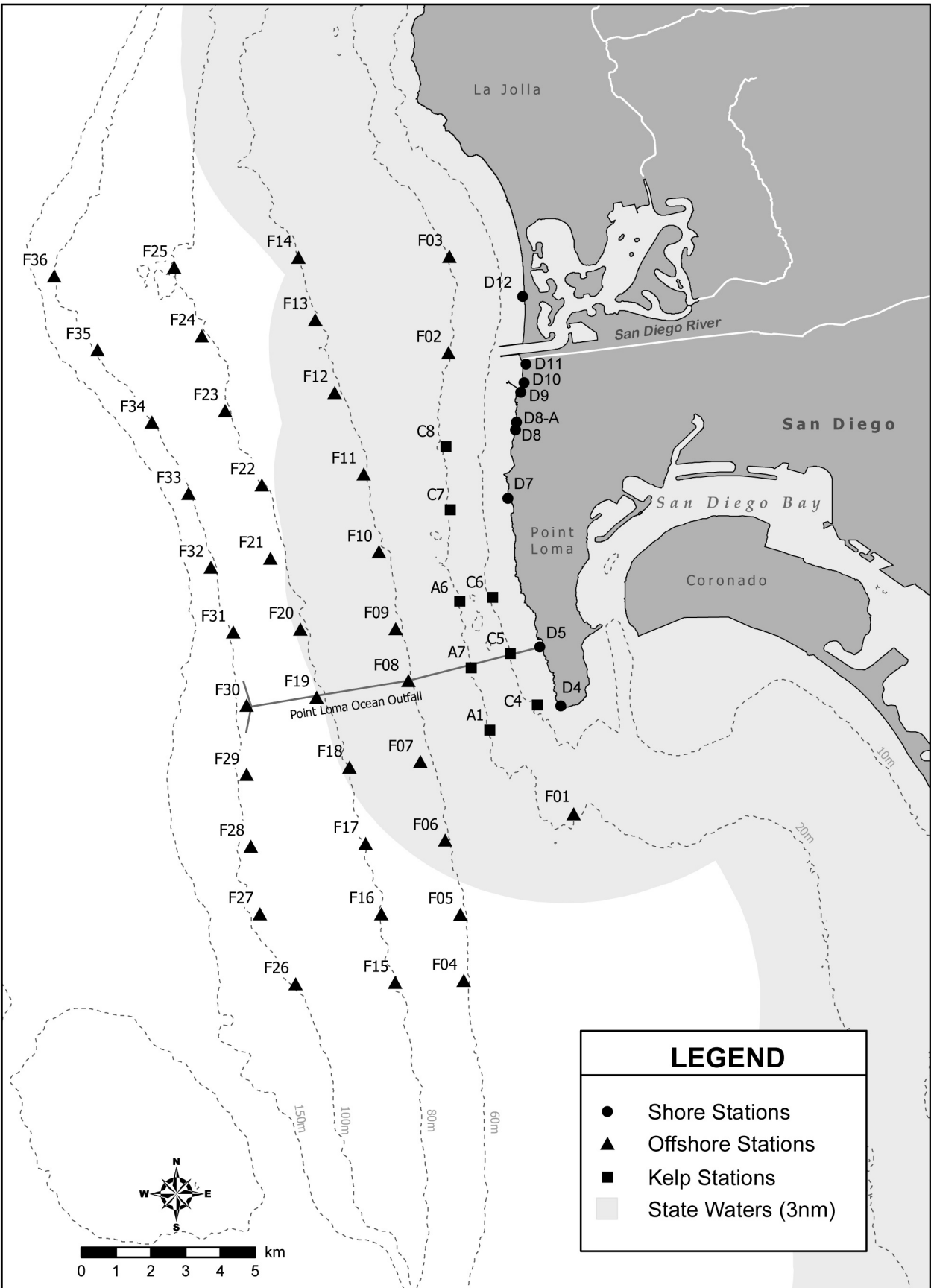


Figure 1.1 Station Map

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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 PLOO 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	D4	D5	D7	D8-B	D9	D10	D11	D12
01 Sep 2024	*2	*2	*5	*3	*7	*6	*8	*13
02 Sep 2024	*2	*2	*5	*3	*7	*6	*8	*13
03 Sep 2024	*2	*2	*5	*3	*7	*6	*8	*13
04 Sep 2024	2	3	5	5	6	5	9	17
05 Sep 2024	2	3	5	5	6	5	9	17
06 Sep 2024	*2	*4	*6	*7	*6	*4	*10	*19
07 Sep 2024	*2	*4	*6	*7	*6	*4	*10	*19
08 Sep 2024	*2	*4	*6	*7	*6	*4	*10	*19
09 Sep 2024	*2	*4	*6	*7	*6	*4	*10	*19
10 Sep 2024	*2	*4	*6	*7	*6	*4	*10	*19
11 Sep 2024	2	3	5	5	5	4	7	12
12 Sep 2024	2	3	5	5	5	4	7	12
13 Sep 2024	*2	*4	*3	*7	*4	*4	*7	*9
14 Sep 2024	*2	*4	*3	*7	*4	*4	*7	*9
15 Sep 2024	*2	*4	*3	*7	*4	*4	*7	*9
16 Sep 2024	*2	*4	*3	*7	*4	*4	*7	*9
17 Sep 2024	*2	*4	*3	*7	*4	*4	*7	*9
18 Sep 2024	2	3	3	5	4	4	6	7
19 Sep 2024	2	3	3	5	4	4	6	7
20 Sep 2024	*2	*4	*2	*5	*3	*3	*5	*9
21 Sep 2024	*2	*4	*2	*5	*3	*3	*5	*9
22 Sep 2024	*2	*4	*2	*5	*3	*3	*5	*9
23 Sep 2024	*2	*4	*2	*5	*3	*3	*5	*9
24 Sep 2024	*2	*4	*2	*5	*3	*3	*5	*9
25 Sep 2024	*2	*4	*2	*5	*3	*3	*5	*9
26 Sep 2024	2	3	2	6	3	4	5	7
27 Sep 2024	*2	*4	*2	*8	*3	*4	*6	*5
28 Sep 2024	*2	*4	*2	*8	*3	*4	*6	*5
29 Sep 2024	*2	*4	*2	*8	*3	*4	*6	*5
30 Sep 2024	*2	*4	*2	*8	*3	*4	*6	*5

* Geometric mean calculated using n<5

Table 2.2

Summary of compliance at the PLOO 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	D4	D5	D7	D8-B	D9	D10	D11	D12
04 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC
11 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC
18 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC
26 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 2.3

Summary of compliance with the Ocean Plan's 30-day Geometric Mean standard for *Enterococcus* at the PLOO 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 >35 CFU/100 mL exceed the standard.

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
01 Sep 2024	*2	*2	*2	*3	*2	*2	*5	*3
02 Sep 2024	*2	*2	*2	*3	*2	*2	*5	*3
03 Sep 2024	*2	*2	*2	*3	*2	*2	*5	*3
04 Sep 2024	2	2	2	3	2	3	6	3
05 Sep 2024	2	2	2	3	2	3	6	3
06 Sep 2024	*2	*2	*2	*2	*2	*4	*9	*3
07 Sep 2024	*2	*2	*2	*2	*2	*4	*9	*3
08 Sep 2024	*2	*2	*2	*2	*2	*4	*9	*3
09 Sep 2024	*2	*2	*2	*2	*2	*4	*9	*3
10 Sep 2024	*2	*2	*2	*2	*2	*4	*9	*3
11 Sep 2024	2	2	2	2	2	3	6	4
12 Sep 2024	2	2	2	2	2	3	6	4
13 Sep 2024	*2	*2	*2	*2	*2	*4	*6	*4
14 Sep 2024	*2	*2	*2	*2	*2	*4	*6	*4
15 Sep 2024	*2	*2	*2	*2	*2	*4	*6	*4
16 Sep 2024	*2	*2	*2	*2	*2	*4	*6	*4
17 Sep 2024	*2	*2	*2	*2	*2	*4	*6	*4
18 Sep 2024	2	2	2	3	2	4	7	4
19 Sep 2024	2	2	2	3	2	4	7	4
20 Sep 2024	*2	*2	*2	*4	*2	*4	*6	*4
21 Sep 2024	*2	*2	*2	*4	*2	*4	*6	*4
22 Sep 2024	*2	*2	*2	*4	*2	*4	*6	*4
23 Sep 2024	*2	*2	*2	*4	*2	*4	*6	*4
24 Sep 2024	*2	*2	*2	*4	*2	*4	*6	*4
25 Sep 2024	*2	*2	*2	*4	*2	*4	*6	*4
26 Sep 2024	2	2	2	3	2	3	5	4
27 Sep 2024	*2	*2	*2	*4	*2	*4	*5	*2
28 Sep 2024	*2	*2	*2	*4	*2	*4	*5	*2
29 Sep 2024	*2	*2	*2	*4	*2	*4	*5	*2
30 Sep 2024	*2	*2	*2	*4	*2	*4	*5	*2

* Geometric mean calculated using n<5

Table 2.4

Summary of compliance at the PLOO shore stations with the Ocean Plan's Single Sample Maximum standard for *Enterococcus* bacteria, which states that *Enterococcus* density shall not exceed 104 CFU/100 mL.

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
04 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC
11 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC
18 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC
26 Sep 2024	IC	IC	IC	IC	IC	IC	IC	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 Geometric Mean standard for total coliform bacteria at the PLOO 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 >1000 CFU/100 mL exceed the standard.

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
01 Sep 2024	*47	*63	*200	*63	*48	*75	*35	*36
02 Sep 2024	*47	*63	*200	*63	*48	*75	*35	*36
03 Sep 2024	*47	*63	*200	*63	*48	*75	*35	*36
04 Sep 2024	63	80	200	91	63	91	49	42
05 Sep 2024	63	80	200	91	63	91	49	42
06 Sep 2024	*148	*112	*200	*134	*85	*112	*47	*28
07 Sep 2024	*148	*112	*200	*134	*85	*112	*47	*28
08 Sep 2024	*148	*112	*200	*134	*85	*112	*47	*28
09 Sep 2024	*148	*112	*200	*134	*85	*112	*47	*28
10 Sep 2024	*148	*112	*200	*134	*85	*112	*47	*28
11 Sep 2024	157	126	126	105	63	80	39	42
12 Sep 2024	157	126	126	105	63	80	39	42
13 Sep 2024	*200	*112	*112	*89	*60	*112	*47	*50
14 Sep 2024	*200	*112	*112	*89	*60	*112	*47	*50
15 Sep 2024	*200	*112	*112	*89	*60	*112	*47	*50
16 Sep 2024	*200	*112	*112	*89	*60	*112	*47	*50
17 Sep 2024	*200	*112	*112	*89	*60	*112	*47	*50
18 Sep 2024	200	126	80	105	48	110	39	42
19 Sep 2024	200	126	80	105	48	110	39	42
20 Sep 2024	*200	*112	*63	*89	*42	*95	*36	*50
21 Sep 2024	*200	*112	*63	*89	*42	*95	*36	*50
22 Sep 2024	*200	*112	*63	*89	*42	*95	*36	*50
23 Sep 2024	*200	*112	*63	*89	*42	*95	*36	*50
24 Sep 2024	*200	*112	*63	*89	*42	*95	*36	*50
25 Sep 2024	*200	*112	*63	*89	*42	*95	*36	*50
26 Sep 2024	126	80	50	83	36	69	36	42
27 Sep 2024	*112	*112	*36	*118	*36	*53	*42	*50
28 Sep 2024	*112	*112	*36	*118	*36	*53	*42	*50
29 Sep 2024	*112	*112	*36	*118	*36	*53	*42	*50
30 Sep 2024	*112	*112	*36	*118	*36	*53	*42	*50

* Median calculated using n<5

Table 2.6

Summary of compliance at the PLOO shore stations with the Ocean Plan's Single Sample Maximum for total coliform bacteria, which states that total coliform density shall not exceed 10^4 CFU/100 mL.

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
04 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC
11 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC
18 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC
26 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 2.7

Summary of compliance at the PLOO shore stations with the Ocean Plan's Single Sample Maximum standard for total coliform bacteria and the fecal/total coliform ratio (F:T), which states that total coliform density shall not exceed 1,000 CFU/100 mL when F:T > 0.1.

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
04 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC
11 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC
18 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC
26 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 2.8

Summary of water quality parameters at the PLOO 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
D10	04 Sep 2024	841	<200	2e	10e
D10	11 Sep 2024	849	<20	2e	<2
D10	18 Sep 2024	933	100e	2e	4e
D10	26 Sep 2024	859	20e	20e	<2
D11	04 Sep 2024	831	<200	14e	14e
D11	11 Sep 2024	937	<20	2e	<2
D11	18 Sep 2024	911	<20	4e	12e
D11	26 Sep 2024	844	40e	10e	2e
D12	04 Sep 2024	814	80e	60	<2
D12	11 Sep 2024	814	<200	2e	4e
D12	18 Sep 2024	854	<20	2e	2e
D12	26 Sep 2024	826	<20	<2	2e
D4	04 Sep 2024	959	<200	<2	<2
D4	11 Sep 2024	958	<200	<2	<2
D4	18 Sep 2024	1110	<200	<2	<2
D4	26 Sep 2024	1026	<20	<2	<2
D5	04 Sep 2024	948	200e	20e	<2
D5	11 Sep 2024	947	<200	2e	<2
D5	18 Sep 2024	1055	<200	<2	2e
D5	26 Sep 2024	1011	<20	<2	<2
D7	04 Sep 2024	918	<200	4e	2e
D7	11 Sep 2024	923	<20	<2	<2
D7	18 Sep 2024	1024	<20	<2	<2
D7	26 Sep 2024	938	<20	2e	<2
D8-B	04 Sep 2024	904	400e	88	4e
D8-B	11 Sep 2024	909	40e	2e	<2
D8-B	18 Sep 2024	1005	200e	2e	12e
D8-B	26 Sep 2024	923	60e	14e	<2
D9	04 Sep 2024	851	200e	<2	<2
D9	11 Sep 2024	859	20e	<2	<2
D9	18 Sep 2024	949	20e	6e	<2
D9	26 Sep 2024	910	<20	4e	<2

ns = not sampled

ND = no data

Comments

date	station	depth	parmcode	comments
26-Sep-2024	D10			RB dispersion bffr QC had a colony on mENDO. The follow-up QC on 9/27 passed, so the process error caused this and the results not likely affected.
26-Sep-2024	D11			RB dispersion bffr QC had a colony on mENDO. The follow-up QC on 9/27 passed, so the process error caused this and the results not likely affected..
26-Sep-2024	D12			RB dispersion bffr QC had a colony on mENDO. The follow-up QC on 9/27 passed, so the process error caused this and the results not likely affected..
26-Sep-2024	D4			RB dispersion bffr QC had a colony on mENDO. The follow-up QC on 9/27 passed, so the process error caused this and the results not likely affected..
26-Sep-2024	D5			RB dispersion bffr QC had a colony on mENDO. The follow-up QC on 9/27 passed, so the process error caused this and the results not likely affected..
26-Sep-2024	D7			RB dispersion bffr QC had a colony on mENDO. The follow-up QC on 9/27 passed, so the process error caused this and the results not likely affected.
26-Sep-2024	D8-B			RB dispersion bffr QC had a colony on mENDO. The follow-up QC on 9/27 passed, so the process error caused this and the results not likely affected..
26-Sep-2024	D9			RB dispersion bffr QC had a colony on mENDO. The follow-up QC on 9/27 passed, so the process error caused this and the results not likely affected..

Table 2.9

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

Station	Date	Parameter	Value
D4	04 Sep 2024	Arrive Time	959
D4	04 Sep 2024	Wind Speed (kts)	1.7
D4	04 Sep 2024	Wind Dir	NW
D4	04 Sep 2024	Animal Life	
D4	04 Sep 2024	Floatables	None
D4	04 Sep 2024	Current Direction	S
D4	04 Sep 2024	Water Temp (C)	177
D4	04 Sep 2024	High Tide Time	1033
D4	04 Sep 2024	Low Tide Time	429
D4	04 Sep 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae
D4	11 Sep 2024	Arrive Time	958
D4	11 Sep 2024	Wind Speed (kts)	3
D4	11 Sep 2024	Wind Dir	W
D4	11 Sep 2024	Animal Life	
D4	11 Sep 2024	Floatables	None
D4	11 Sep 2024	Current Direction	S
D4	11 Sep 2024	Water Temp (C)	17.3
D4	11 Sep 2024	High Tide Time	1517
D4	11 Sep 2024	Low Tide Time	
D4	11 Sep 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae;Debris
D4	18 Sep 2024	Arrive Time	1110
D4	18 Sep 2024	Wind Speed (kts)	1.5
D4	18 Sep 2024	Wind Dir	NW
D4	18 Sep 2024	Animal Life	
D4	18 Sep 2024	Floatables	None
D4	18 Sep 2024	Current Direction	S
D4	18 Sep 2024	Water Temp (C)	15.2
D4	18 Sep 2024	High Tide Time	949
D4	18 Sep 2024	Low Tide Time	347
D4	18 Sep 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae
D4	26 Sep 2024	Arrive Time	1026
D4	26 Sep 2024	Wind Speed (kts)	0.5
D4	26 Sep 2024	Wind Dir	W
D4	26 Sep 2024	Animal Life	
D4	26 Sep 2024	Floatables	None
D4	26 Sep 2024	Current Direction	S
D4	26 Sep 2024	Water Temp (C)	13.8
D4	26 Sep 2024	High Tide Time	721
D4	26 Sep 2024	Low Tide Time	21
D4	26 Sep 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae;Debris
D5	04 Sep 2024	Arrive Time	948
D5	04 Sep 2024	Wind Speed (kts)	2.6
D5	04 Sep 2024	Wind Dir	W
D5	04 Sep 2024	Animal Life	
D5	04 Sep 2024	Floatables	None
D5	04 Sep 2024	Current Direction	S
D5	04 Sep 2024	Water Temp (C)	16.1
D5	04 Sep 2024	High Tide Time	1033
D5	04 Sep 2024	Low Tide Time	429
D5	04 Sep 2024	Comments	Water clear; Trash-1; Kelp;Algae;Seagrass
D5	11 Sep 2024	Arrive Time	947

Station	Date	Parameter	Value
D5	11 Sep 2024	Wind Speed (kts)	0
D5	11 Sep 2024	Wind Dir	SW
D5	11 Sep 2024	Animal Life	
D5	11 Sep 2024	Floatables	None
D5	11 Sep 2024	Current Direction	S
D5	11 Sep 2024	Water Temp (C)	14.1
D5	11 Sep 2024	High Tide Time	1517
D5	11 Sep 2024	Low Tide Time	
D5	11 Sep 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae;Debris
D5	18 Sep 2024	Arrive Time	1055
D5	18 Sep 2024	Wind Speed (kts)	1
D5	18 Sep 2024	Wind Dir	NW
D5	18 Sep 2024	Animal Life	
D5	18 Sep 2024	Floatables	Foam
D5	18 Sep 2024	Current Direction	S
D5	18 Sep 2024	Water Temp (C)	17.5
D5	18 Sep 2024	High Tide Time	949
D5	18 Sep 2024	Low Tide Time	347
D5	18 Sep 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae
D5	26 Sep 2024	Arrive Time	1011
D5	26 Sep 2024	Wind Speed (kts)	2
D5	26 Sep 2024	Wind Dir	NW
D5	26 Sep 2024	Animal Life	
D5	26 Sep 2024	Floatables	None
D5	26 Sep 2024	Current Direction	S
D5	26 Sep 2024	Water Temp (C)	15
D5	26 Sep 2024	High Tide Time	721
D5	26 Sep 2024	Low Tide Time	21
D5	26 Sep 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae;Debris; Sewage-like odor
D7	04 Sep 2024	Arrive Time	918
D7	04 Sep 2024	Wind Speed (kts)	2.6
D7	04 Sep 2024	Wind Dir	N
D7	04 Sep 2024	Animal Life	
D7	04 Sep 2024	Floatables	None
D7	04 Sep 2024	Current Direction	S
D7	04 Sep 2024	Water Temp (C)	17.1
D7	04 Sep 2024	High Tide Time	1033
D7	04 Sep 2024	Low Tide Time	429
D7	04 Sep 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae
D7	11 Sep 2024	Arrive Time	923
D7	11 Sep 2024	Wind Speed (kts)	0
D7	11 Sep 2024	Wind Dir	W
D7	11 Sep 2024	Animal Life	
D7	11 Sep 2024	Floatables	None
D7	11 Sep 2024	Current Direction	S
D7	11 Sep 2024	Water Temp (C)	16.5
D7	11 Sep 2024	High Tide Time	1517
D7	11 Sep 2024	Low Tide Time	
D7	11 Sep 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae;Debris; Person/Walker/Jogger-1
D7	18 Sep 2024	Arrive Time	1024
D7	18 Sep 2024	Wind Speed (kts)	1.5
D7	18 Sep 2024	Wind Dir	NW
D7	18 Sep 2024	Animal Life	
D7	18 Sep 2024	Floatables	None

Station	Date	Parameter	Value
D7	18 Sep 2024	Current Direction	S
D7	18 Sep 2024	Water Temp (C)	16.6
D7	18 Sep 2024	High Tide Time	949
D7	18 Sep 2024	Low Tide Time	347
D7	18 Sep 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae
D7	26 Sep 2024	Arrive Time	938
D7	26 Sep 2024	Wind Speed (kts)	0
D7	26 Sep 2024	Wind Dir	SW
D7	26 Sep 2024	Animal Life	
D7	26 Sep 2024	Floatables	None
D7	26 Sep 2024	Current Direction	S
D7	26 Sep 2024	Water Temp (C)	13
D7	26 Sep 2024	High Tide Time	721
D7	26 Sep 2024	Low Tide Time	21
D7	26 Sep 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae;Debris
D8-B	04 Sep 2024	Arrive Time	904
D8-B	04 Sep 2024	Wind Speed (kts)	3.2
D8-B	04 Sep 2024	Wind Dir	W
D8-B	04 Sep 2024	Animal Life	
D8-B	04 Sep 2024	Floatables	None
D8-B	04 Sep 2024	Current Direction	S
D8-B	04 Sep 2024	Water Temp (C)	18.6
D8-B	04 Sep 2024	High Tide Time	1033
D8-B	04 Sep 2024	Low Tide Time	429
D8-B	04 Sep 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae
D8-B	11 Sep 2024	Arrive Time	909
D8-B	11 Sep 2024	Wind Speed (kts)	3.5
D8-B	11 Sep 2024	Wind Dir	W
D8-B	11 Sep 2024	Animal Life	
D8-B	11 Sep 2024	Floatables	None
D8-B	11 Sep 2024	Current Direction	S
D8-B	11 Sep 2024	Water Temp (C)	15.1
D8-B	11 Sep 2024	High Tide Time	1517
D8-B	11 Sep 2024	Low Tide Time	
D8-B	11 Sep 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae;Debris
D8-B	18 Sep 2024	Arrive Time	1005
D8-B	18 Sep 2024	Wind Speed (kts)	2.8
D8-B	18 Sep 2024	Wind Dir	W
D8-B	18 Sep 2024	Animal Life	
D8-B	18 Sep 2024	Floatables	Foam
D8-B	18 Sep 2024	Current Direction	S
D8-B	18 Sep 2024	Water Temp (C)	16.1
D8-B	18 Sep 2024	High Tide Time	949
D8-B	18 Sep 2024	Low Tide Time	347
D8-B	18 Sep 2024	Comments	Water turbid; Trash-1; Kelp;Seagrass;Algae
D8-B	26 Sep 2024	Arrive Time	923
D8-B	26 Sep 2024	Wind Speed (kts)	0
D8-B	26 Sep 2024	Wind Dir	SW
D8-B	26 Sep 2024	Animal Life	
D8-B	26 Sep 2024	Floatables	None
D8-B	26 Sep 2024	Current Direction	S
D8-B	26 Sep 2024	Water Temp (C)	15.3
D8-B	26 Sep 2024	High Tide Time	721
D8-B	26 Sep 2024	Low Tide Time	21
D8-B	26 Sep 2024	Comments	Water clear; Trash-2; Kelp;Seagrass;Algae;Debris

Station	Date	Parameter	Value
D9	04 Sep 2024	Arrive Time	851
D9	04 Sep 2024	Wind Speed (kts)	0.9
D9	04 Sep 2024	Wind Dir	W
D9	04 Sep 2024	Animal Life	
D9	04 Sep 2024	Floatables	None
D9	04 Sep 2024	Current Direction	S
D9	04 Sep 2024	Water Temp (C)	17.7
D9	04 Sep 2024	High Tide Time	1033
D9	04 Sep 2024	Low Tide Time	429
D9	04 Sep 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae
D9	11 Sep 2024	Arrive Time	859
D9	11 Sep 2024	Wind Speed (kts)	2.4
D9	11 Sep 2024	Wind Dir	SW
D9	11 Sep 2024	Animal Life	
D9	11 Sep 2024	Floatables	None
D9	11 Sep 2024	Current Direction	S
D9	11 Sep 2024	Water Temp (C)	14.6
D9	11 Sep 2024	High Tide Time	1517
D9	11 Sep 2024	Low Tide Time	
D9	11 Sep 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae;Debris; Person/Walker/Jogger-1
D9	18 Sep 2024	Arrive Time	949
D9	18 Sep 2024	Wind Speed (kts)	0
D9	18 Sep 2024	Wind Dir	NW
D9	18 Sep 2024	Animal Life	
D9	18 Sep 2024	Floatables	None
D9	18 Sep 2024	Current Direction	S
D9	18 Sep 2024	Water Temp (C)	14.7
D9	18 Sep 2024	High Tide Time	949
D9	18 Sep 2024	Low Tide Time	347
D9	18 Sep 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae
D9	26 Sep 2024	Arrive Time	910
D9	26 Sep 2024	Wind Speed (kts)	0.8
D9	26 Sep 2024	Wind Dir	SW
D9	26 Sep 2024	Animal Life	
D9	26 Sep 2024	Floatables	None
D9	26 Sep 2024	Current Direction	S
D9	26 Sep 2024	Water Temp (C)	12.3
D9	26 Sep 2024	High Tide Time	721
D9	26 Sep 2024	Low Tide Time	21
D9	26 Sep 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae; Person/Walker/Jogger-1
D10	04 Sep 2024	Arrive Time	841
D10	04 Sep 2024	Wind Speed (kts)	3.7
D10	04 Sep 2024	Wind Dir	SW
D10	04 Sep 2024	Animal Life	
D10	04 Sep 2024	Floatables	None
D10	04 Sep 2024	Current Direction	S
D10	04 Sep 2024	Water Temp (C)	17.6
D10	04 Sep 2024	High Tide Time	1033
D10	04 Sep 2024	Low Tide Time	429
D10	04 Sep 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris
D10	11 Sep 2024	Arrive Time	849
D10	11 Sep 2024	Wind Speed (kts)	3.4
D10	11 Sep 2024	Wind Dir	SW
D10	11 Sep 2024	Animal Life	Dog-1;

Station	Date	Parameter	Value
D10	11 Sep 2024	Floating	None
D10	11 Sep 2024	Current Direction	S
D10	11 Sep 2024	Water Temp (C)	17.5
D10	11 Sep 2024	High Tide Time	1517
D10	11 Sep 2024	Low Tide Time	
D10	11 Sep 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris; Person/Walker/Jogger-1
D10	18 Sep 2024	Arrive Time	933
D10	18 Sep 2024	Wind Speed (kts)	2.2
D10	18 Sep 2024	Wind Dir	W
D10	18 Sep 2024	Animal Life	
D10	18 Sep 2024	Floating	None
D10	18 Sep 2024	Current Direction	S
D10	18 Sep 2024	Water Temp (C)	14.9
D10	18 Sep 2024	High Tide Time	949
D10	18 Sep 2024	Low Tide Time	347
D10	18 Sep 2024	Comments	Water clear; Surfer/Paddle boarder-6; Trash-1; Kelp;Sea-grass
D10	26 Sep 2024	Arrive Time	859
D10	26 Sep 2024	Wind Speed (kts)	1.5
D10	26 Sep 2024	Wind Dir	SW
D10	26 Sep 2024	Animal Life	
D10	26 Sep 2024	Floating	None
D10	26 Sep 2024	Current Direction	S
D10	26 Sep 2024	Water Temp (C)	12
D10	26 Sep 2024	High Tide Time	721
D10	26 Sep 2024	Low Tide Time	21
D10	26 Sep 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris; Person/Walker/Jogger-1
D11	04 Sep 2024	Arrive Time	831
D11	04 Sep 2024	Wind Speed (kts)	0.7
D11	04 Sep 2024	Wind Dir	W
D11	04 Sep 2024	Animal Life	
D11	04 Sep 2024	Floating	None
D11	04 Sep 2024	Current Direction	S
D11	04 Sep 2024	Water Temp (C)	17.3
D11	04 Sep 2024	High Tide Time	1033
D11	04 Sep 2024	Low Tide Time	429
D11	04 Sep 2024	Comments	Water clear; Surfer/Paddle boarder-2; Trash-1; Kelp;Sea-grass;Algae;Debris; Person/Walker/Jogger-1
D11	11 Sep 2024	Arrive Time	837
D11	11 Sep 2024	Wind Speed (kts)	5.2
D11	11 Sep 2024	Wind Dir	SW
D11	11 Sep 2024	Animal Life	
D11	11 Sep 2024	Floating	None
D11	11 Sep 2024	Current Direction	S
D11	11 Sep 2024	Water Temp (C)	17.5
D11	11 Sep 2024	High Tide Time	1517
D11	11 Sep 2024	Low Tide Time	
D11	11 Sep 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae;Debris
D11	18 Sep 2024	Arrive Time	918
D11	18 Sep 2024	Wind Speed (kts)	0
D11	18 Sep 2024	Wind Dir	W
D11	18 Sep 2024	Animal Life	
D11	18 Sep 2024	Floating	None
D11	18 Sep 2024	Current Direction	S

Station	Date	Parameter	Value
D11	18 Sep 2024	Water Temp (C)	15.3
D11	18 Sep 2024	High Tide Time	949
D11	18 Sep 2024	Low Tide Time	347
D11	18 Sep 2024	Comments	Water clear; Surfer/Paddle boarder-10; Trash-1; Kelp;Sea-grass;Algae; Person/Walker/Jogger-2
D11	26 Sep 2024	Arrive Time	844
D11	26 Sep 2024	Wind Speed (kts)	0
D11	26 Sep 2024	Wind Dir	S
D11	26 Sep 2024	Animal Life	
D11	26 Sep 2024	Floatables	None
D11	26 Sep 2024	Current Direction	S
D11	26 Sep 2024	Water Temp (C)	14.6
D11	26 Sep 2024	High Tide Time	721
D11	26 Sep 2024	Low Tide Time	21
D11	26 Sep 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae
D12	04 Sep 2024	Arrive Time	814
D12	04 Sep 2024	Wind Speed (kts)	1.6
D12	04 Sep 2024	Wind Dir	NW
D12	04 Sep 2024	Animal Life	
D12	04 Sep 2024	Floatables	None
D12	04 Sep 2024	Current Direction	S
D12	04 Sep 2024	Water Temp (C)	15.8
D12	04 Sep 2024	High Tide Time	1033
D12	04 Sep 2024	Low Tide Time	429
D12	04 Sep 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris; Person/Walker/Jogger-1
D12	11 Sep 2024	Arrive Time	814
D12	11 Sep 2024	Wind Speed (kts)	4.6
D12	11 Sep 2024	Wind Dir	W
D12	11 Sep 2024	Animal Life	Dog-2;
D12	11 Sep 2024	Floatables	None
D12	11 Sep 2024	Current Direction	S
D12	11 Sep 2024	Water Temp (C)	17.1
D12	11 Sep 2024	High Tide Time	1517
D12	11 Sep 2024	Low Tide Time	
D12	11 Sep 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;Debris; Person/Walker/Jogger-2
D12	18 Sep 2024	Arrive Time	854
D12	18 Sep 2024	Wind Speed (kts)	0
D12	18 Sep 2024	Wind Dir	S
D12	18 Sep 2024	Animal Life	
D12	18 Sep 2024	Floatables	None
D12	18 Sep 2024	Current Direction	S
D12	18 Sep 2024	Water Temp (C)	15
D12	18 Sep 2024	High Tide Time	949
D12	18 Sep 2024	Low Tide Time	347
D12	18 Sep 2024	Comments	Water clear; Boogie boarder/Swimmer-3; Surfer/Paddle boarder-2; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-4
D12	26 Sep 2024	Arrive Time	826
D12	26 Sep 2024	Wind Speed (kts)	1.6
D12	26 Sep 2024	Wind Dir	SW
D12	26 Sep 2024	Animal Life	
D12	26 Sep 2024	Floatables	None
D12	26 Sep 2024	Current Direction	S
D12	26 Sep 2024	Water Temp (C)	12.3
D12	26 Sep 2024	High Tide Time	721

Station	Date	Parameter	Value
D12	26 Sep 2024	Low Tide Time	21
D12	26 Sep 2024	Comments	Water clear; Trash-1; Kelp;Seagrass;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 PLOO 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	A1	A6	A7	C4	C5	C6	C7	C8
01 Sep 2024	*2	*2	*2	*3	*2	*2	*2	*2
02 Sep 2024	*2	*2	*2	*3	*2	*2	*2	*2
03 Sep 2024	2	3	2	2	2	2	2	2
04 Sep 2024	*2	*3	*2	*2	*2	*2	*2	*2
05 Sep 2024	*2	*3	*2	*2	*2	*2	*2	*2
06 Sep 2024	*2	*3	*2	*2	*2	*2	*2	*2
07 Sep 2024	*2	*3	*2	*2	*2	*2	*2	*2
08 Sep 2024	*2	*3	*2	*2	*2	*2	*2	*2
09 Sep 2024	*2	*3	*2	*2	*2	*2	*2	*2
10 Sep 2024	2	3	2	2	2	2	2	2
11 Sep 2024	*2	*3	*2	*2	*2	*2	*2	*2
12 Sep 2024	*2	*3	*2	*2	*2	*2	*2	*2
13 Sep 2024	*2	*3	*2	*2	*2	*2	*2	*2
14 Sep 2024	*2	*3	*2	*2	*2	*2	*2	*2
15 Sep 2024	*2	*3	*2	*2	*2	*2	*2	*2
16 Sep 2024	*2	*3	*2	*2	*2	*2	*2	*2
17 Sep 2024	2	3	2	2	2	2	2	2
18 Sep 2024	2	3	2	2	2	2	2	2
19 Sep 2024	*2	*3	*2	*2	*2	*2	*2	*2
20 Sep 2024	*2	*3	*2	*2	*2	*2	*2	*2
21 Sep 2024	*2	*3	*2	*2	*2	*2	*2	*2
22 Sep 2024	*2	*3	*2	*2	*2	*2	*2	*2
23 Sep 2024	*2	*3	*2	*2	*2	*2	*2	*2
24 Sep 2024	2	3	2	2	2	2	2	2
25 Sep 2024	2	3	2	2	2	2	2	2
26 Sep 2024	*2	*3	*2	*2	*2	*2	*2	*2
27 Sep 2024	*2	*3	*2	*2	*2	*2	*2	*2
28 Sep 2024	*2	*3	*2	*2	*2	*2	*2	*2
29 Sep 2024	*2	*3	*2	*2	*2	*2	*2	*2
30 Sep 2024	2	3	2	2	2	2	3	2

* Geometric mean calculated using n<5

Table 3.2

Summary of compliance at the PLOO 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	A1	A6	A7	C4	C5	C6	C7	C8
03 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC
10 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC
17 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC
24 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC
30 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 3.3

Summary of compliance with the Ocean Plan’s 30-day Geometric Mean standard for *Enterococcus* at the PLOO 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 >35 CFU/100 mL exceed the standard.

Date	A1	A6	A7	C4	C5	C6	C7	C8
01 Sep 2024	*2	*2	*2	*2	*2	*2	*2	*2
02 Sep 2024	*2	*2	*2	*2	*2	*2	*2	*2
03 Sep 2024	2	2	2	2	2	2	2	2
04 Sep 2024	*2	*2	*2	*2	*2	*2	*2	*2
05 Sep 2024	*2	*2	*2	*2	*2	*2	*2	*2
06 Sep 2024	*2	*2	*2	*2	*2	*2	*2	*2
07 Sep 2024	*2	*2	*2	*2	*2	*2	*2	*2
08 Sep 2024	*2	*2	*2	*2	*2	*2	*2	*2
09 Sep 2024	*2	*2	*2	*2	*2	*2	*2	*2
10 Sep 2024	2	2	2	2	2	2	2	2
11 Sep 2024	*2	*2	*2	*2	*2	*2	*2	*2
12 Sep 2024	*2	*2	*2	*2	*2	*2	*2	*2
13 Sep 2024	*2	*2	*2	*2	*2	*2	*2	*2
14 Sep 2024	*2	*2	*2	*2	*2	*2	*2	*2
15 Sep 2024	*2	*2	*2	*2	*2	*2	*2	*2
16 Sep 2024	*2	*2	*2	*2	*2	*2	*2	*2
17 Sep 2024	2	2	2	2	2	2	2	3
18 Sep 2024	2	2	2	2	2	2	2	3
19 Sep 2024	*2	*2	*2	*2	*2	*2	*2	*3
20 Sep 2024	*2	*2	*2	*2	*2	*2	*2	*3
21 Sep 2024	*2	*2	*2	*2	*2	*2	*2	*3
22 Sep 2024	*2	*2	*2	*2	*2	*2	*2	*3
23 Sep 2024	*2	*2	*2	*2	*2	*2	*2	*3
24 Sep 2024	2	2	2	2	2	2	2	3
25 Sep 2024	2	2	2	2	2	2	2	3
26 Sep 2024	*2	*2	*2	*2	*2	*2	*2	*3
27 Sep 2024	*2	*2	*2	*2	*2	*2	*2	*3
28 Sep 2024	*2	*2	*2	*2	*2	*2	*2	*3
29 Sep 2024	*2	*2	*2	*2	*2	*2	*2	*3
30 Sep 2024	2	2	2	2	2	2	2	3

* Geometric mean calculated using n<5

Table 3.4

Summary of compliance at the PLOO kelp stations with the Ocean Plan's Single Sample Maximum standard for *Enterococcus* bacteria, which states that *Enterococcus* density shall not exceed 104 CFU/100 mL.

Date	A1	A6	A7	C4	C5	C6	C7	C8
03 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC
10 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC
17 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC
24 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC
30 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 3.5

Summary of compliance with the Ocean Plan's 30-day Geometric Mean standard for total coliform bacteria at the PLOO 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 >1000 CFU/100 mL exceed the standard.

Date	A1	A6	A7	C4	C5	C6	C7	C8
01 Sep 2024	*4	*2	*2	*6	*2	*2	*2	*2
02 Sep 2024	*4	*2	*2	*6	*2	*2	*2	*2
03 Sep 2024	5	3	3	6	3	2	3	3
04 Sep 2024	*7	*3	*4	*6	*3	*3	*4	*4
05 Sep 2024	*7	*3	*4	*6	*3	*3	*4	*4
06 Sep 2024	*7	*3	*4	*6	*3	*3	*4	*4
07 Sep 2024	*7	*3	*4	*6	*3	*3	*4	*4
08 Sep 2024	*7	*3	*4	*6	*3	*3	*4	*4
09 Sep 2024	*7	*3	*4	*6	*3	*3	*4	*4
10 Sep 2024	5	3	3	5	3	2	3	3
11 Sep 2024	*4	*3	*4	*4	*3	*3	*4	*3
12 Sep 2024	*4	*3	*4	*4	*3	*3	*4	*3
13 Sep 2024	*4	*3	*4	*4	*3	*3	*4	*3
14 Sep 2024	*4	*3	*4	*4	*3	*3	*4	*3
15 Sep 2024	*4	*3	*4	*4	*3	*3	*4	*3
16 Sep 2024	*4	*3	*4	*4	*3	*3	*4	*3
17 Sep 2024	4	3	4	4	3	3	5	4
18 Sep 2024	4	3	4	4	3	3	5	4
19 Sep 2024	*4	*3	*5	*3	*3	*4	*6	*4
20 Sep 2024	*4	*3	*5	*3	*3	*4	*6	*4
21 Sep 2024	*4	*3	*5	*3	*3	*4	*6	*4
22 Sep 2024	*4	*3	*5	*3	*3	*4	*6	*4
23 Sep 2024	*4	*3	*5	*3	*3	*4	*6	*4
24 Sep 2024	4	3	4	3	4	4	5	4
25 Sep 2024	4	3	4	3	4	4	5	4
26 Sep 2024	*4	*4	*5	*3	*4	*5	*5	*4
27 Sep 2024	*4	*4	*5	*3	*4	*5	*5	*4
28 Sep 2024	*4	*4	*5	*3	*4	*5	*5	*4
29 Sep 2024	*4	*4	*5	*3	*4	*5	*5	*4
30 Sep 2024	4	7	5	3	3	6	9	4

- Median calculated using n<5

Table 3.6

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
03 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC
10 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC
17 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC
24 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC
30 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 3.7

Summary of compliance at the PLOO kelp stations with the Ocean Plan's Single Sample Maximum standard for total coliform bacteria and the fecal/total coliform ratio (F:T), which states that total coliform density shall not exceed 1,000 CFU/100 mL when F:T > 0.1.

Date	A1	A6	A7	C4	C5	C6	C7	C8
03 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC
10 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC
17 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC
24 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC
30 Sep 2024	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 3.8

Summary of water quality parameters at the PLOO 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
A1	03 Sep 2024	810	1	62	<2	<2
A1	03 Sep 2024	810	12	4e	<2	<2
A1	03 Sep 2024	810	18	2e	<2	<2
A1	10 Sep 2024	812	1	<2	<2	<2
A1	10 Sep 2024	812	12	<2	<2	<2
A1	10 Sep 2024	812	18	<2	<2	<2
A1	17 Sep 2024	810	1	2e	<2	<2
A1	17 Sep 2024	810	12	<2	<2	<2
A1	17 Sep 2024	810	18	<2	<2	<2
A1	24 Sep 2024	756	1	<2	<2	<2
A1	24 Sep 2024	756	12	<2	<2	<2
A1	24 Sep 2024	756	18	<2	<2	<2
A1	30 Sep 2024	757	1	<2	<2	<2
A1	30 Sep 2024	757	12	<2	<2	<2
A1	30 Sep 2024	757	18	20e	2e	2e
A6	03 Sep 2024	835	1	10e	<2	<2
A6	03 Sep 2024	835	12	20e	8e	<2
A6	03 Sep 2024	835	18	26e	14e	<2
A6	10 Sep 2024	845	1	<2	<2	<2
A6	10 Sep 2024	845	12	<2	<2	<2
A6	10 Sep 2024	845	18	<2	2e	<2
A6	17 Sep 2024	838	1	<2	<2	<2
A6	17 Sep 2024	838	12	<2	<2	<2
A6	17 Sep 2024	838	18	2e	<2	<2
A6	24 Sep 2024	823	1	<2	<2	<2
A6	24 Sep 2024	823	12	6e	2e	<2
A6	24 Sep 2024	823	18	<2	2e	<2
A6	30 Sep 2024	828	1	2e	<2	<2
A6	30 Sep 2024	828	12	20e	<2	<2
A6	30 Sep 2024	828	18	<200	6e	4e
A7	03 Sep 2024	823	1	54	<2	<2
A7	03 Sep 2024	823	12	4e	<2	<2
A7	03 Sep 2024	823	18	<2	<2	<2
A7	10 Sep 2024	824	1	<2	<2	<2
A7	10 Sep 2024	824	12	<2	<2	<2
A7	10 Sep 2024	824	18	<2	<2	<2
A7	17 Sep 2024	827	1	<2	<2	<2
A7	17 Sep 2024	827	12	<2	<2	<2
A7	17 Sep 2024	827	18	<20	<2	<2

Station	Date	Time	Depth	Total	Fecal	Entero
A7	24 Sep 2024	809	1	<2	<2	<2
A7	24 Sep 2024	809	12	<2	<2	<2
A7	24 Sep 2024	809	18	<2	<2	<2
A7	30 Sep 2024	810	1	<2	<2	<2
A7	30 Sep 2024	810	12	6e	<2	<2
A7	30 Sep 2024	810	18	14e	4e	<2
C4	03 Sep 2024	936	1	<20	<2	<2
C4	03 Sep 2024	936	3	<2	<2	<2
C4	03 Sep 2024	936	9	<2	<2	<2
C4	10 Sep 2024	949	1	<2	<2	<2
C4	10 Sep 2024	949	3	<2	<2	<2
C4	10 Sep 2024	949	9	<2	<2	<2
C4	17 Sep 2024	948	1	6e	2e	<2
C4	17 Sep 2024	948	3	<2	<2	<2
C4	17 Sep 2024	948	9	<2	<2	<2
C4	24 Sep 2024	930	1	<2	<2	<2
C4	24 Sep 2024	930	3	<2	<2	<2
C4	24 Sep 2024	930	9	<2	<2	<2
C4	30 Sep 2024	934	1	<2	<2	<2
C4	30 Sep 2024	934	3	<2	<2	<2
C4	30 Sep 2024	934	9	2e	<2	<2
C5	03 Sep 2024	927	1	6e	<2	<2
C5	03 Sep 2024	927	3	16e	4e	<2
C5	03 Sep 2024	927	9	2e	<2	<2
C5	10 Sep 2024	940	1	<2	<2	<2
C5	10 Sep 2024	940	3	<2	<2	<2
C5	10 Sep 2024	940	9	<2	<2	<2
C5	17 Sep 2024	935	1	2e	<2	<2
C5	17 Sep 2024	935	3	2e	<2	<2
C5	17 Sep 2024	935	9	2e	<2	<2
C5	24 Sep 2024	919	1	14e	<2	<2
C5	24 Sep 2024	919	3	4e	<2	<2
C5	24 Sep 2024	919	9	<2	<2	<2
C5	30 Sep 2024	924	1	<1	<2	<2
C5	30 Sep 2024	924	3	<2	<2	<2
C5	30 Sep 2024	924	9	<2	<2	<2
C6	03 Sep 2024	919	1	4e	<2	<2
C6	03 Sep 2024	919	3	8e	<2	<2
C6	03 Sep 2024	919	9	6e	<2	<2
C6	10 Sep 2024	930	1	<2	<2	<2
C6	10 Sep 2024	930	3	<2	<2	<2
C6	10 Sep 2024	930	9	<2	<2	<2
C6	17 Sep 2024	925	1	<20	<2	<2
C6	17 Sep 2024	925	3	6e	<2	<2
C6	17 Sep 2024	925	9	<2	<2	2e

Station	Date	Time	Depth	Total	Fecal	Enterococci
C6	24 Sep 2024	909	1	10e	<2	<2
C6	24 Sep 2024	909	3	10e	<2	<2
C6	24 Sep 2024	909	9	4e	<2	<2
C6	30 Sep 2024	912	1	<20	2e	<2
C6	30 Sep 2024	912	3	<2	<2	<2
C6	30 Sep 2024	912	9	<2	<2	<2
C7	03 Sep 2024	849	1	36e	<2	<2
C7	03 Sep 2024	849	12	2e	<2	<2
C7	03 Sep 2024	849	18	<2	<2	<2
C7	10 Sep 2024	900	1	<2	<2	<2
C7	10 Sep 2024	900	12	2e	2e	<2
C7	10 Sep 2024	900	18	<2	<2	<2
C7	17 Sep 2024	855	1	30e	<2	4e
C7	17 Sep 2024	855	12	<2	<2	<2
C7	17 Sep 2024	855	18	2e	<2	<2
C7	24 Sep 2024	837	1	<2	<2	<2
C7	24 Sep 2024	837	12	4e	<2	<2
C7	24 Sep 2024	837	18	2e	2e	<2
C7	30 Sep 2024	842	1	<20	6e	<2
C7	30 Sep 2024	842	12	40e	<2	<2
C7	30 Sep 2024	842	18	200e	12e	4e
C8	03 Sep 2024	859	1	22e	<2	<2
C8	03 Sep 2024	859	12	<2	<2	<2
C8	03 Sep 2024	859	18	2e	<2	<2
C8	10 Sep 2024	912	1	2e	<2	<2
C8	10 Sep 2024	912	12	<2	<2	<2
C8	10 Sep 2024	912	18	<2	<2	<2
C8	17 Sep 2024	906	1	<20	<2	4e
C8	17 Sep 2024	906	12	2e	<2	<2
C8	17 Sep 2024	906	18	<2	<2	<20
C8	24 Sep 2024	847	1	<2	<2	<2
C8	24 Sep 2024	847	12	<2	<2	<2
C8	24 Sep 2024	847	18	<2	2e	<2
C8	30 Sep 2024	853	1	<2	2e	<2
C8	30 Sep 2024	853	12	8e	<2	<2
C8	30 Sep 2024	853	18	<2	2e	<2

ns = not sampled
ND = no data

Table 3.9

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

Station	Date	Parameter	Value
A1	03 Sep 2024	Arrive Time	810
A1	03 Sep 2024	Depart Time	816
A1	03 Sep 2024	Air Temp (C)	20.8
A1	03 Sep 2024	Visibility (mi)	8
A1	03 Sep 2024	Wind Speed (kts)	4.4
A1	03 Sep 2024	Wind Dir	N
A1	03 Sep 2024	Sea State	Regular Swell
A1	03 Sep 2024	High Tide Time	2154
A1	03 Sep 2024	Low Tide Time	400
A1	03 Sep 2024	Comments	Kelp Debris
A1	10 Sep 2024	Arrive Time	804
A1	10 Sep 2024	Depart Time	812
A1	10 Sep 2024	Air Temp (C)	22.3
A1	10 Sep 2024	Visibility (mi)	8
A1	10 Sep 2024	Wind Speed (kts)	3.9
A1	10 Sep 2024	Wind Dir	N
A1	10 Sep 2024	Sea State	Regular Swell
A1	10 Sep 2024	High Tide Time	1324
A1	10 Sep 2024	Low Tide Time	2254
A1	10 Sep 2024	Comments	
A1	17 Sep 2024	Arrive Time	810
A1	17 Sep 2024	Depart Time	819
A1	17 Sep 2024	Air Temp (C)	17.7
A1	17 Sep 2024	Visibility (mi)	10
A1	17 Sep 2024	Wind Speed (kts)	1
A1	17 Sep 2024	Wind Dir	W
A1	17 Sep 2024	Sea State	Confused Swell
A1	17 Sep 2024	High Tide Time	2112
A1	17 Sep 2024	Low Tide Time	306
A1	17 Sep 2024	Comments	
A1	24 Sep 2024	Arrive Time	756
A1	24 Sep 2024	Depart Time	801
A1	24 Sep 2024	Air Temp (C)	18
A1	24 Sep 2024	Visibility (mi)	4
A1	24 Sep 2024	Wind Speed (kts)	2.9
A1	24 Sep 2024	Wind Dir	N
A1	24 Sep 2024	Sea State	Calm
A1	24 Sep 2024	High Tide Time	1430
A1	24 Sep 2024	Low Tide Time	2306
A1	24 Sep 2024	Comments	
A1	30 Sep 2024	Arrive Time	757
A1	30 Sep 2024	Depart Time	804
A1	30 Sep 2024	Air Temp (C)	15.2
A1	30 Sep 2024	Visibility (mi)	7
A1	30 Sep 2024	Wind Speed (kts)	3.3
A1	30 Sep 2024	Wind Dir	NW
A1	30 Sep 2024	Sea State	Regular Swell
A1	30 Sep 2024	High Tide Time	2036
A1	30 Sep 2024	Low Tide Time	230
A1	30 Sep 2024	Comments	
C4	03 Sep 2024	Arrive Time	936

Station	Date	Parameter	Value
C4	03 Sep 2024	Depart Time	939
C4	03 Sep 2024	Air Temp (C)	20.6
C4	03 Sep 2024	Visibility (mi)	8
C4	03 Sep 2024	Wind Speed (kts)	4.6
C4	03 Sep 2024	Wind Dir	NW
C4	03 Sep 2024	Sea State	Regular Swell
C4	03 Sep 2024	High Tide Time	2154
C4	03 Sep 2024	Low Tide Time	400
C4	03 Sep 2024	Comments	Kelp Debris; Seagrass
C4	10 Sep 2024	Arrive Time	946
C4	10 Sep 2024	Depart Time	948
C4	10 Sep 2024	Air Temp (C)	22.4
C4	10 Sep 2024	Visibility (mi)	8
C4	10 Sep 2024	Wind Speed (kts)	7.7
C4	10 Sep 2024	Wind Dir	N
C4	10 Sep 2024	Sea State	Confused Swell
C4	10 Sep 2024	High Tide Time	1324
C4	10 Sep 2024	Low Tide Time	2254
C4	10 Sep 2024	Comments	
C4	17 Sep 2024	Arrive Time	948
C4	17 Sep 2024	Depart Time	951
C4	17 Sep 2024	Air Temp (C)	18.3
C4	17 Sep 2024	Visibility (mi)	10
C4	17 Sep 2024	Wind Speed (kts)	2.9
C4	17 Sep 2024	Wind Dir	E
C4	17 Sep 2024	Sea State	Confused Swell
C4	17 Sep 2024	High Tide Time	2112
C4	17 Sep 2024	Low Tide Time	306
C4	17 Sep 2024	Comments	
C4	24 Sep 2024	Arrive Time	930
C4	24 Sep 2024	Depart Time	933
C4	24 Sep 2024	Air Temp (C)	17.9
C4	24 Sep 2024	Visibility (mi)	6
C4	24 Sep 2024	Wind Speed (kts)	3
C4	24 Sep 2024	Wind Dir	NE
C4	24 Sep 2024	Sea State	Calm
C4	24 Sep 2024	High Tide Time	1430
C4	24 Sep 2024	Low Tide Time	2306
C4	24 Sep 2024	Comments	
C4	30 Sep 2024	Arrive Time	934
C4	30 Sep 2024	Depart Time	937
C4	30 Sep 2024	Air Temp (C)	15.6
C4	30 Sep 2024	Visibility (mi)	7
C4	30 Sep 2024	Wind Speed (kts)	2
C4	30 Sep 2024	Wind Dir	E
C4	30 Sep 2024	Sea State	Regular Swell
C4	30 Sep 2024	High Tide Time	2036
C4	30 Sep 2024	Low Tide Time	230
C4	30 Sep 2024	Comments	
A7	03 Sep 2024	Arrive Time	823
A7	03 Sep 2024	Depart Time	827
A7	03 Sep 2024	Air Temp (C)	20.6
A7	03 Sep 2024	Visibility (mi)	8
A7	03 Sep 2024	Wind Speed (kts)	5
A7	03 Sep 2024	Wind Dir	N
A7	03 Sep 2024	Sea State	Regular Swell

Station	Date	Parameter	Value
A7	03 Sep 2024	High Tide Time	2154
A7	03 Sep 2024	Low Tide Time	400
A7	03 Sep 2024	Comments	
A7	10 Sep 2024	Arrive Time	820
A7	10 Sep 2024	Depart Time	828
A7	10 Sep 2024	Air Temp (C)	22.2
A7	10 Sep 2024	Visibility (mi)	8
A7	10 Sep 2024	Wind Speed (kts)	4.5
A7	10 Sep 2024	Wind Dir	N
A7	10 Sep 2024	Sea State	Regular Swell
A7	10 Sep 2024	High Tide Time	1324
A7	10 Sep 2024	Low Tide Time	2254
A7	10 Sep 2024	Comments	
A7	17 Sep 2024	Arrive Time	827
A7	17 Sep 2024	Depart Time	831
A7	17 Sep 2024	Air Temp (C)	18
A7	17 Sep 2024	Visibility (mi)	10
A7	17 Sep 2024	Wind Speed (kts)	5.3
A7	17 Sep 2024	Wind Dir	SE
A7	17 Sep 2024	Sea State	Confused Swell
A7	17 Sep 2024	High Tide Time	2112
A7	17 Sep 2024	Low Tide Time	306
A7	17 Sep 2024	Comments	
A7	24 Sep 2024	Arrive Time	809
A7	24 Sep 2024	Depart Time	814
A7	24 Sep 2024	Air Temp (C)	18.1
A7	24 Sep 2024	Visibility (mi)	4
A7	24 Sep 2024	Wind Speed (kts)	7.5
A7	24 Sep 2024	Wind Dir	NW
A7	24 Sep 2024	Sea State	Calm
A7	24 Sep 2024	High Tide Time	1430
A7	24 Sep 2024	Low Tide Time	2306
A7	24 Sep 2024	Comments	
A7	30 Sep 2024	Arrive Time	810
A7	30 Sep 2024	Depart Time	820
A7	30 Sep 2024	Air Temp (C)	15.3
A7	30 Sep 2024	Visibility (mi)	7
A7	30 Sep 2024	Wind Speed (kts)	11.9
A7	30 Sep 2024	Wind Dir	N
A7	30 Sep 2024	Sea State	Regular Swell
A7	30 Sep 2024	High Tide Time	2036
A7	30 Sep 2024	Low Tide Time	230
A7	30 Sep 2024	Comments	
C5	03 Sep 2024	Arrive Time	927
C5	03 Sep 2024	Depart Time	930
C5	03 Sep 2024	Air Temp (C)	20.5
C5	03 Sep 2024	Visibility (mi)	8
C5	03 Sep 2024	Wind Speed (kts)	5.2
C5	03 Sep 2024	Wind Dir	NW
C5	03 Sep 2024	Sea State	Regular Swell
C5	03 Sep 2024	High Tide Time	2154
C5	03 Sep 2024	Low Tide Time	400
C5	03 Sep 2024	Comments	Kelp Debris
C5	10 Sep 2024	Arrive Time	936
C5	10 Sep 2024	Depart Time	942

Station	Date	Parameter	Value
C5	10 Sep 2024	Air Temp (C)	22.4
C5	10 Sep 2024	Visibility (mi)	8
C5	10 Sep 2024	Wind Speed (kts)	7.7
C5	10 Sep 2024	Wind Dir	N
C5	10 Sep 2024	Sea State	Confused Swell
C5	10 Sep 2024	High Tide Time	1324
C5	10 Sep 2024	Low Tide Time	2254
C5	10 Sep 2024	Comments	
C5	17 Sep 2024	Arrive Time	935
C5	17 Sep 2024	Depart Time	943
C5	17 Sep 2024	Air Temp (C)	18.3
C5	17 Sep 2024	Visibility (mi)	10
C5	17 Sep 2024	Wind Speed (kts)	1.2
C5	17 Sep 2024	Wind Dir	E
C5	17 Sep 2024	Sea State	Confused Swell
C5	17 Sep 2024	High Tide Time	2112
C5	17 Sep 2024	Low Tide Time	306
C5	17 Sep 2024	Comments	
C5	24 Sep 2024	Arrive Time	919
C5	24 Sep 2024	Depart Time	924
C5	24 Sep 2024	Air Temp (C)	17.9
C5	24 Sep 2024	Visibility (mi)	4
C5	24 Sep 2024	Wind Speed (kts)	5.1
C5	24 Sep 2024	Wind Dir	N
C5	24 Sep 2024	Sea State	Calm
C5	24 Sep 2024	High Tide Time	1430
C5	24 Sep 2024	Low Tide Time	2306
C5	24 Sep 2024	Comments	
C5	30 Sep 2024	Arrive Time	924
C5	30 Sep 2024	Depart Time	928
C5	30 Sep 2024	Air Temp (C)	15.5
C5	30 Sep 2024	Visibility (mi)	7
C5	30 Sep 2024	Wind Speed (kts)	8.6
C5	30 Sep 2024	Wind Dir	N
C5	30 Sep 2024	Sea State	Regular Swell
C5	30 Sep 2024	High Tide Time	2036
C5	30 Sep 2024	Low Tide Time	230
C5	30 Sep 2024	Comments	
A6	03 Sep 2024	Arrive Time	835
A6	03 Sep 2024	Depart Time	839
A6	03 Sep 2024	Air Temp (C)	20.6
A6	03 Sep 2024	Visibility (mi)	8
A6	03 Sep 2024	Wind Speed (kts)	4.2
A6	03 Sep 2024	Wind Dir	NW
A6	03 Sep 2024	Sea State	Regular Swell
A6	03 Sep 2024	High Tide Time	2154
A6	03 Sep 2024	Low Tide Time	400
A6	03 Sep 2024	Comments	
A6	10 Sep 2024	Arrive Time	833
A6	10 Sep 2024	Depart Time	845
A6	10 Sep 2024	Air Temp (C)	22.3
A6	10 Sep 2024	Visibility (mi)	8
A6	10 Sep 2024	Wind Speed (kts)	6.3
A6	10 Sep 2024	Wind Dir	N
A6	10 Sep 2024	Sea State	Regular Swell
A6	10 Sep 2024	High Tide Time	1324

Station	Date	Parameter	Value
A6	10 Sep 2024	Low Tide Time	2254
A6	10 Sep 2024	Comments	Did not get depth on cast 1
A6	17 Sep 2024	Arrive Time	838
A6	17 Sep 2024	Depart Time	843
A6	17 Sep 2024	Air Temp (C)	18.6
A6	17 Sep 2024	Visibility (mi)	10
A6	17 Sep 2024	Wind Speed (kts)	4
A6	17 Sep 2024	Wind Dir	NW
A6	17 Sep 2024	Sea State	Confused Swell
A6	17 Sep 2024	High Tide Time	2112
A6	17 Sep 2024	Low Tide Time	306
A6	17 Sep 2024	Comments	
A6	24 Sep 2024	Arrive Time	823
A6	24 Sep 2024	Depart Time	826
A6	24 Sep 2024	Air Temp (C)	18
A6	24 Sep 2024	Visibility (mi)	4
A6	24 Sep 2024	Wind Speed (kts)	4.9
A6	24 Sep 2024	Wind Dir	NE
A6	24 Sep 2024	Sea State	Calm
A6	24 Sep 2024	High Tide Time	1430
A6	24 Sep 2024	Low Tide Time	2306
A6	24 Sep 2024	Comments	
A6	30 Sep 2024	Arrive Time	828
A6	30 Sep 2024	Depart Time	831
A6	30 Sep 2024	Air Temp (C)	15.3
A6	30 Sep 2024	Visibility (mi)	7
A6	30 Sep 2024	Wind Speed (kts)	5.7
A6	30 Sep 2024	Wind Dir	NE
A6	30 Sep 2024	Sea State	Regular Swell
A6	30 Sep 2024	High Tide Time	2036
A6	30 Sep 2024	Low Tide Time	230
A6	30 Sep 2024	Comments	
C6	03 Sep 2024	Arrive Time	919
C6	03 Sep 2024	Depart Time	921
C6	03 Sep 2024	Air Temp (C)	21.2
C6	03 Sep 2024	Visibility (mi)	8
C6	03 Sep 2024	Wind Speed (kts)	4.1
C6	03 Sep 2024	Wind Dir	N
C6	03 Sep 2024	Sea State	Regular Swell
C6	03 Sep 2024	High Tide Time	2154
C6	03 Sep 2024	Low Tide Time	400
C6	03 Sep 2024	Comments	
C6	10 Sep 2024	Arrive Time	926
C6	10 Sep 2024	Depart Time	930
C6	10 Sep 2024	Air Temp (C)	22.6
C6	10 Sep 2024	Visibility (mi)	8
C6	10 Sep 2024	Wind Speed (kts)	10.2
C6	10 Sep 2024	Wind Dir	N
C6	10 Sep 2024	Sea State	Confused Swell
C6	10 Sep 2024	High Tide Time	1324
C6	10 Sep 2024	Low Tide Time	2254
C6	10 Sep 2024	Comments	
C6	17 Sep 2024	Arrive Time	925
C6	17 Sep 2024	Depart Time	929
C6	17 Sep 2024	Air Temp (C)	18.3

Station	Date	Parameter	Value
C6	17 Sep 2024	Visibility (mi)	10
C6	17 Sep 2024	Wind Speed (kts)	0.5
C6	17 Sep 2024	Wind Dir	SW
C6	17 Sep 2024	Sea State	Confused Swell
C6	17 Sep 2024	High Tide Time	2112
C6	17 Sep 2024	Low Tide Time	306
C6	17 Sep 2024	Comments	
C6	24 Sep 2024	Arrive Time	909
C6	24 Sep 2024	Depart Time	911
C6	24 Sep 2024	Air Temp (C)	17.9
C6	24 Sep 2024	Visibility (mi)	4
C6	24 Sep 2024	Wind Speed (kts)	6.2
C6	24 Sep 2024	Wind Dir	N
C6	24 Sep 2024	Sea State	Calm
C6	24 Sep 2024	High Tide Time	1430
C6	24 Sep 2024	Low Tide Time	2306
C6	24 Sep 2024	Comments	
C6	30 Sep 2024	Arrive Time	912
C6	30 Sep 2024	Depart Time	917
C6	30 Sep 2024	Air Temp (C)	15.4
C6	30 Sep 2024	Visibility (mi)	7
C6	30 Sep 2024	Wind Speed (kts)	2.6
C6	30 Sep 2024	Wind Dir	E
C6	30 Sep 2024	Sea State	Regular Swell
C6	30 Sep 2024	High Tide Time	2036
C6	30 Sep 2024	Low Tide Time	230
C6	30 Sep 2024	Comments	
C7	03 Sep 2024	Arrive Time	849
C7	03 Sep 2024	Depart Time	852
C7	03 Sep 2024	Air Temp (C)	20.5
C7	03 Sep 2024	Visibility (mi)	8
C7	03 Sep 2024	Wind Speed (kts)	2.9
C7	03 Sep 2024	Wind Dir	N
C7	03 Sep 2024	Sea State	Regular Swell
C7	03 Sep 2024	High Tide Time	2154
C7	03 Sep 2024	Low Tide Time	400
C7	03 Sep 2024	Comments	
C7	10 Sep 2024	Arrive Time	854
C7	10 Sep 2024	Depart Time	902
C7	10 Sep 2024	Air Temp (C)	22.3
C7	10 Sep 2024	Visibility (mi)	8
C7	10 Sep 2024	Wind Speed (kts)	15.1
C7	10 Sep 2024	Wind Dir	NW
C7	10 Sep 2024	Sea State	Regular Swell
C7	10 Sep 2024	High Tide Time	1324
C7	10 Sep 2024	Low Tide Time	2254
C7	10 Sep 2024	Comments	
C7	17 Sep 2024	Arrive Time	855
C7	17 Sep 2024	Depart Time	859
C7	17 Sep 2024	Air Temp (C)	18.4
C7	17 Sep 2024	Visibility (mi)	10
C7	17 Sep 2024	Wind Speed (kts)	2.9
C7	17 Sep 2024	Wind Dir	E
C7	17 Sep 2024	Sea State	Confused Swell
C7	17 Sep 2024	High Tide Time	2112
C7	17 Sep 2024	Low Tide Time	306

Station	Date	Parameter	Value
C7	17 Sep 2024	Comments	
C7	24 Sep 2024	Arrive Time	837
C7	24 Sep 2024	Depart Time	840
C7	24 Sep 2024	Air Temp (C)	17.8
C7	24 Sep 2024	Visibility (mi)	4
C7	24 Sep 2024	Wind Speed (kts)	4.1
C7	24 Sep 2024	Wind Dir	N
C7	24 Sep 2024	Sea State	Calm
C7	24 Sep 2024	High Tide Time	1430
C7	24 Sep 2024	Low Tide Time	2306
C7	24 Sep 2024	Comments	
C7	30 Sep 2024	Arrive Time	842
C7	30 Sep 2024	Depart Time	845
C7	30 Sep 2024	Air Temp (C)	15.4
C7	30 Sep 2024	Visibility (mi)	7
C7	30 Sep 2024	Wind Speed (kts)	3.5
C7	30 Sep 2024	Wind Dir	NE
C7	30 Sep 2024	Sea State	Regular Swell
C7	30 Sep 2024	High Tide Time	2036
C7	30 Sep 2024	Low Tide Time	230
C7	30 Sep 2024	Comments	
C8	03 Sep 2024	Arrive Time	859
C8	03 Sep 2024	Depart Time	903
C8	03 Sep 2024	Air Temp (C)	20.6
C8	03 Sep 2024	Visibility (mi)	8
C8	03 Sep 2024	Wind Speed (kts)	5.6
C8	03 Sep 2024	Wind Dir	NW
C8	03 Sep 2024	Sea State	Regular Swell
C8	03 Sep 2024	High Tide Time	2154
C8	03 Sep 2024	Low Tide Time	400
C8	03 Sep 2024	Comments	
C8	10 Sep 2024	Arrive Time	909
C8	10 Sep 2024	Depart Time	913
C8	10 Sep 2024	Air Temp (C)	22.4
C8	10 Sep 2024	Visibility (mi)	8
C8	10 Sep 2024	Wind Speed (kts)	4.2
C8	10 Sep 2024	Wind Dir	SE
C8	10 Sep 2024	Sea State	Confused Swell
C8	10 Sep 2024	High Tide Time	1324
C8	10 Sep 2024	Low Tide Time	2254
C8	10 Sep 2024	Comments	
C8	17 Sep 2024	Arrive Time	906
C8	17 Sep 2024	Depart Time	910
C8	17 Sep 2024	Air Temp (C)	18.5
C8	17 Sep 2024	Visibility (mi)	10
C8	17 Sep 2024	Wind Speed (kts)	2
C8	17 Sep 2024	Wind Dir	SE
C8	17 Sep 2024	Sea State	Confused Swell
C8	17 Sep 2024	High Tide Time	2112
C8	17 Sep 2024	Low Tide Time	306
C8	17 Sep 2024	Comments	
C8	24 Sep 2024	Arrive Time	847
C8	24 Sep 2024	Depart Time	851
C8	24 Sep 2024	Air Temp (C)	17.9
C8	24 Sep 2024	Visibility (mi)	4

Station	Date	Parameter	Value
C8	24 Sep 2024	Wind Speed (kts)	4.3
C8	24 Sep 2024	Wind Dir	NW
C8	24 Sep 2024	Sea State	Calm
C8	24 Sep 2024	High Tide Time	1430
C8	24 Sep 2024	Low Tide Time	2306
C8	24 Sep 2024	Comments	
C8	30 Sep 2024	Arrive Time	853
C8	30 Sep 2024	Depart Time	857
C8	30 Sep 2024	Air Temp (C)	15.4
C8	30 Sep 2024	Visibility (mi)	7
C8	30 Sep 2024	Wind Speed (kts)	3.7
C8	30 Sep 2024	Wind Dir	NE
C8	30 Sep 2024	Sea State	Regular Swell
C8	30 Sep 2024	High Tide Time	2036
C8	30 Sep 2024	Low Tide Time	230
C8	30 Sep 2024	Comments	

Comments

date	station	depth	parmcode	comments
03-Sep-2024	C4	1		Colonies found on the entero nonselective media but no colonies found on entero selective media. From this the analysis results are not affected.
03-Sep-2024	C4	3		Colonies found on the entero nonselective media but no colonies found on entero selective media. From this the analysis results are not affected.
03-Sep-2024	C4	9		Colonies found on the entero nonselective media but no colonies found on entero selective media. From this the analysis results are not affected.
17-Sep-2024	C4	1		LA was due to no POST PLATES FOR MENDO OR MFC, BECAUSE A SECOND SET WAS NEVER RUN FOR THIS FILTRATION SERIES
17-Sep-2024	C4	3		LA was due to no POST PLATES FOR MENDO OR MFC, BECAUSE A SECOND SET WAS NEVER RUN FOR THIS FILTRATION SERIES
17-Sep-2024	C4	9		LA was due to no POST PLATES FOR MENDO OR MFC, BECAUSE A SECOND SET WAS NEVER RUN FOR THIS FILTRATION SERIES
30-Sep-2024	A1	1		MM-WBTH-006 for mFC was lower than acceptable range in the morning of 10/1/24. mFC Daily QC passed, so the results not likely affected.
30-Sep-2024	A1	12		MM-WBTH-006 for mFC was lower than acceptable range in the morning of 10/1/24. mFC Daily QC passed, so the results not likely affected.
30-Sep-2024	A1	18		MM-WBTH-006 for mFC was lower than acceptable range in the morning of 10/1/24. mFC Daily QC passed, so the results not likely affected.
30-Sep-2024	A6	1		MM-WBTH-006 for mFC was lower than acceptable range in the morning of 10/1/24. mFC Daily QC passed, so the results not likely affected.
30-Sep-2024	A6	12		MM-WBTH-006 for mFC was lower than acceptable range in the morning of 10/1/24. mFC Daily QC passed, so the results not likely affected.
30-Sep-2024	A6	18		MM-WBTH-006 for mFC was lower than acceptable range in the morning of 10/1/24. mFC Daily QC passed, so the results not likely affected.
30-Sep-2024	A7	1		MM-WBTH-006 for mFC was lower than acceptable range in the morning of 10/1/24. mFC Daily QC passed, so the results not likely affected.
30-Sep-2024	A7	12		MM-WBTH-006 for mFC was lower than acceptable range in the morning of 10/1/24. mFC Daily QC passed, so the results not likely affected.

date	station	depth	parmcode	comments
30-Sep-2024	A7	18		MM-WBTH-006 for mFC was lower than acceptable range in the morning of 10/1/24. mFC Daily QC passed, so the results not likely affected.
30-Sep-2024	C4	1		MM-WBTH-006 for mFC was lower than acceptable range in the morning of 10/1/24. mFC Daily QC passed, so the results not likely affected.
30-Sep-2024	C4	3		MM-WBTH-006 for mFC was lower than acceptable range in the morning of 10/1/24. mFC Daily QC passed, so the results not likely affected.
30-Sep-2024	C4	9		MM-WBTH-006 for mFC was lower than acceptable range in the morning of 10/1/24. mFC Daily QC passed, so the results not likely affected.
30-Sep-2024	C5	1		MM-WBTH-006 for mFC was lower than acceptable range in the morning of 10/1/24. mFC Daily QC passed, so the results not likely affected.
30-Sep-2024	C5	3		MM-WBTH-006 for mFC was lower than acceptable range in the morning of 10/1/24. mFC Daily QC passed, so the results not likely affected.
30-Sep-2024	C5	9		MM-WBTH-006 for mFC was lower than acceptable range in the morning of 10/1/24. mFC Daily QC passed, so the results not likely affected.
30-Sep-2024	C6	1		MM-WBTH-006 for mFC was lower than acceptable range in the morning of 10/1/24. mFC Daily QC passed, so the results not likely affected.
30-Sep-2024	C6	3		MM-WBTH-006 for mFC was lower than acceptable range in the morning of 10/1/24. mFC Daily QC passed, so the results not likely affected.
30-Sep-2024	C6	9		MM-WBTH-006 for mFC was lower than acceptable range in the morning of 10/1/24. mFC Daily QC passed, so the results not likely affected.
30-Sep-2024	C7	1		MM-WBTH-006 for mFC was lower than acceptable range in the morning of 10/1/24. mFC Daily QC passed, so the results not likely affected.
30-Sep-2024	C7	12		MM-WBTH-006 for mFC was lower than acceptable range in the morning of 10/1/24. mFC Daily QC passed, so the results not likely affected.
30-Sep-2024	C7	18		MM-WBTH-006 for mFC was lower than acceptable range in the morning of 10/1/24. mFC Daily QC passed, so the results not likely affected.
30-Sep-2024	C8	1		MM-WBTH-006 for mFC was lower than acceptable range in the morning of 10/1/24. mFC Daily QC passed, so the results not likely affected.
30-Sep-2024	C8	12		MM-WBTH-006 for mFC was lower than acceptable range in the morning of 10/1/24. mFC Daily QC passed, so the results not likely affected.

date	station	depth	parmcode	comments
30-Sep-2024	C8	18		MM-WBTH-006 for mFC was lower than acceptable range in the morning of 10/1/24. mFC Daily QC passed, so the results not likely affected.

Table 3.10

Summary of CTD profile data from the PLOO 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)
A1	03 Sep 2024	1	22.57	96.85	7.3	33.56	8.1	23.0	0.25
A1	03 Sep 2024	2	22.51	96.89	7.3	33.55	8.1	23.0	0.26
A1	03 Sep 2024	3	22.50	97.08	7.3	33.55	8.1	23.0	0.29
A1	03 Sep 2024	4	22.57	97.09	7.3	33.55	8.1	23.0	0.30
A1	03 Sep 2024	5	22.38	97.14	7.3	33.56	8.1	23.0	0.32
A1	03 Sep 2024	6	21.46	96.98	7.5	33.53	8.1	23.3	0.42
A1	03 Sep 2024	7	20.19	94.11	7.7	33.48	8.1	23.5	0.61
A1	03 Sep 2024	8	17.88	93.16	8.1	33.41	8.1	24.1	0.76
A1	03 Sep 2024	9	15.93	94.34	8.6	33.31	8.1	24.5	0.85
A1	03 Sep 2024	10	15.46	94.64	8.5	33.27	8.1	24.5	0.95
A1	03 Sep 2024	11	14.47	94.61	8.5	33.26	8.1	24.7	1.10
A1	03 Sep 2024	12	14.22	94.39	8.2	33.25	8.1	24.8	1.21
A1	03 Sep 2024	13	13.31	94.44	7.9	33.25	8.0	25.0	1.30
A1	03 Sep 2024	14	13.10	94.59	7.6	33.24	8.0	25.0	1.24
A1	03 Sep 2024	15	12.82	95.07	7.2	33.26	8.0	25.1	1.10
A1	03 Sep 2024	16	12.64	95.04	6.9	33.28	7.9	25.1	0.97
A1	03 Sep 2024	17	12.59	94.53	6.8	33.28	7.9	25.1	0.97
A1	03 Sep 2024	18	12.63	91.87	6.8	33.29	7.9	25.1	1.00
A1	10 Sep 2024	1	22.07	97.35	7.5	33.45	8.1	23.0	0.12
A1	10 Sep 2024	2	21.99	97.25	7.4	33.45	8.1	23.0	0.12
A1	10 Sep 2024	3	21.22	98.00	7.5	33.45	8.1	23.3	0.15
A1	10 Sep 2024	4	20.68	97.94	7.7	33.40	8.1	23.4	0.19
A1	10 Sep 2024	5	20.38	97.77	7.8	33.40	8.1	23.4	0.21
A1	10 Sep 2024	6	20.03	97.94	7.7	33.38	8.1	23.5	0.29
A1	10 Sep 2024	7	18.69	97.77	7.8	33.40	8.1	23.9	0.55
A1	10 Sep 2024	8	17.26	95.91	8.0	33.32	8.1	24.2	0.89
A1	10 Sep 2024	9	16.61	92.72	8.1	33.29	8.1	24.3	1.05
A1	10 Sep 2024	10	17.46	91.73	7.6	33.31	8.1	24.1	1.11
A1	10 Sep 2024	11	14.76	91.64	7.8	33.30	8.0	24.7	1.35
A1	10 Sep 2024	12	14.28	91.27	7.8	33.22	8.0	24.8	1.60
A1	10 Sep 2024	13	14.07	90.90	7.8	33.21	8.0	24.8	1.77
A1	10 Sep 2024	14	14.03	91.77	7.8	33.20	8.0	24.8	1.92
A1	10 Sep 2024	15	14.26	91.91	7.8	33.22	8.0	24.8	1.86
A1	10 Sep 2024	16	13.86	92.07	7.7	33.22	8.0	24.8	1.79
A1	10 Sep 2024	17	13.84	92.80	7.7	33.22	8.0	24.8	1.74
A1	10 Sep 2024	18	13.85	92.74	7.7	33.23	8.0	24.8	1.68
A1	17 Sep 2024	1	17.58	96.58	8.1	33.30	8.1	24.1	0.26
A1	17 Sep 2024	2	16.97	97.43	8.2	33.27	8.1	24.2	0.25
A1	17 Sep 2024	3	16.41	98.50	8.2	33.24	8.1	24.3	0.25
A1	17 Sep 2024	4	15.75	98.49	8.4	33.19	8.1	24.4	0.41
A1	17 Sep 2024	5	15.64	98.20	8.4	33.16	8.1	24.4	0.52
A1	17 Sep 2024	6	15.64	98.03	8.4	33.16	8.1	24.4	0.58
A1	17 Sep 2024	7	15.64	97.98	8.4	33.16	8.1	24.4	0.61
A1	17 Sep 2024	8	15.64	97.95	8.4	33.16	8.1	24.4	0.61
A1	17 Sep 2024	9	15.63	97.94	8.4	33.16	8.1	24.4	0.62
A1	17 Sep 2024	10	15.60	97.90	8.4	33.16	8.1	24.4	0.62
A1	17 Sep 2024	11	15.45	98.00	8.4	33.16	8.1	24.5	0.69
A1	17 Sep 2024	12	15.26	97.69	8.3	33.16	8.1	24.5	0.76
A1	17 Sep 2024	13	14.91	97.49	8.3	33.15	8.1	24.6	0.85
A1	17 Sep 2024	14	14.83	97.58	8.2	33.14	8.0	24.6	0.87
A1	17 Sep 2024	15	14.72	96.90	8.2	33.14	8.0	24.6	0.89
A1	17 Sep 2024	16	14.72	97.32	8.0	33.13	8.0	24.6	0.87
A1	17 Sep 2024	17	13.85	97.23	7.8	33.17	8.0	24.8	0.86

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
A1	17 Sep 2024	18	13.01	96.08	7.6	33.16	8.0	25.0	0.85
A1	24 Sep 2024	1	20.28	97.09	7.6	33.49	8.2	23.5	0.38
A1	24 Sep 2024	2	19.97	97.10	7.5	33.48	8.2	23.6	0.37
A1	24 Sep 2024	3	18.80	97.03	7.7	33.41	8.2	23.9	0.48
A1	24 Sep 2024	4	16.32	96.33	8.2	33.36	8.1	24.4	0.68
A1	24 Sep 2024	5	15.25	95.82	8.2	33.26	8.1	24.6	0.94
A1	24 Sep 2024	6	14.22	95.53	8.1	33.23	8.1	24.8	1.05
A1	24 Sep 2024	7	13.74	95.66	7.9	33.18	8.1	24.8	1.07
A1	24 Sep 2024	8	13.49	96.05	7.7	33.18	8.1	24.9	1.11
A1	24 Sep 2024	9	13.38	96.01	7.7	33.16	8.1	24.9	1.14
A1	24 Sep 2024	10	13.33	96.15	7.6	33.16	8.1	24.9	1.15
A1	24 Sep 2024	11	13.32	96.09	7.6	33.16	8.0	24.9	1.15
A1	24 Sep 2024	12	13.32	96.10	7.6	33.17	8.1	24.9	1.16
A1	24 Sep 2024	13	13.32	96.21	7.6	33.17	8.1	24.9	1.17
A1	24 Sep 2024	14	13.32	96.24	7.6	33.18	8.1	24.9	1.15
A1	24 Sep 2024	15	13.31	96.28	7.6	33.18	8.0	24.9	1.17
A1	24 Sep 2024	16	13.31	96.25	7.6	33.19	8.1	24.9	1.20
A1	24 Sep 2024	17	13.31	96.27	7.6	33.19	8.1	24.9	1.16
A1	24 Sep 2024	18	13.31	96.18	7.6	33.19	8.0	24.9	1.15
A1	30 Sep 2024	1	15.41	91.23	8.3	33.24	8.0	24.5	1.44
A1	30 Sep 2024	2	15.38	91.30	8.2	33.24	8.0	24.5	1.57
A1	30 Sep 2024	3	15.17	91.10	8.2	33.23	8.0	24.6	2.15
A1	30 Sep 2024	4	14.94	89.42	8.2	33.22	8.0	24.6	3.31
A1	30 Sep 2024	5	14.61	87.68	8.2	33.22	8.0	24.7	2.97
A1	30 Sep 2024	6	14.36	89.55	8.2	33.20	8.0	24.7	2.16
A1	30 Sep 2024	7	14.10	91.71	8.2	33.20	8.0	24.8	1.76
A1	30 Sep 2024	8	13.77	93.05	8.1	33.19	8.0	24.8	1.46
A1	30 Sep 2024	9	13.62	94.36	8.0	33.19	8.0	24.9	1.31
A1	30 Sep 2024	10	13.29	95.05	7.9	33.18	8.0	24.9	1.37
A1	30 Sep 2024	11	13.20	95.81	7.8	33.18	8.0	24.9	1.28
A1	30 Sep 2024	12	13.13	96.24	7.7	33.18	8.0	25.0	1.26
A1	30 Sep 2024	13	13.00	96.45	7.6	33.19	8.0	25.0	1.29
A1	30 Sep 2024	14	12.78	96.72	7.4	33.20	7.9	25.0	1.15
A1	30 Sep 2024	15	12.81	96.91	7.2	33.19	7.9	25.0	1.11
A1	30 Sep 2024	16	12.32	96.98	7.0	33.26	7.9	25.2	1.00
A1	30 Sep 2024	17	12.13	97.01	6.7	33.27	7.9	25.2	0.81
A1	30 Sep 2024	18	12.14	96.67	6.5	33.27	7.8	25.2	0.82
A1	30 Sep 2024	19	11.88	96.16	6.3	33.31	7.8	25.3	0.61
C4	03 Sep 2024	1	21.85	92.52	7.8	33.53	8.2	23.1	0.83
C4	03 Sep 2024	2	21.71	92.38	7.8	33.53	8.2	23.2	1.00
C4	03 Sep 2024	3	21.45	91.87	7.8	33.52	8.2	23.2	1.31
C4	03 Sep 2024	4	20.83	90.85	7.6	33.49	8.1	23.4	1.48
C4	03 Sep 2024	5	19.44	89.39	7.6	33.46	8.1	23.7	1.15
C4	03 Sep 2024	6	18.11	90.42	8.0	33.39	8.1	24.0	0.90
C4	03 Sep 2024	7	17.45	91.45	8.0	33.35	8.1	24.1	0.94
C4	03 Sep 2024	8	16.63	91.02	7.9	33.33	8.1	24.3	0.76
C4	03 Sep 2024	9	15.98	90.60	8.0	33.29	8.1	24.4	0.55
C4	03 Sep 2024	10	15.47	89.58	8.1	33.27	8.1	24.5	0.38
C4	03 Sep 2024	11	15.42	85.44	8.2	33.27	8.1	24.5	0.30
C4	03 Sep 2024	12	15.44	82.86	8.2	33.27	8.1	24.5	0.29
C4	10 Sep 2024	1	21.64	90.53	7.6	33.43	8.1	23.1	0.30
C4	10 Sep 2024	2	21.51	90.31	7.5	33.43	8.1	23.2	0.36
C4	10 Sep 2024	3	21.00	89.31	7.3	33.44	8.1	23.3	0.52
C4	10 Sep 2024	4	19.53	85.58	7.4	33.42	8.1	23.7	0.62
C4	10 Sep 2024	5	18.08	83.72	7.7	33.35	8.1	24.0	0.71
C4	10 Sep 2024	6	18.16	87.72	7.5	33.31	8.1	23.9	0.72
C4	10 Sep 2024	7	16.95	86.78	7.4	33.30	8.1	24.2	0.56

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
C4	10 Sep 2024	8	16.89	78.08	7.3	33.28	8.0	24.2	0.43
C4	10 Sep 2024	9	16.81	65.02	7.3	33.27	8.0	24.2	0.42
C4	10 Sep 2024	10	16.82	63.05	7.3	33.28	8.0	24.2	0.41
C4	10 Sep 2024	11	16.88	61.00	7.3	33.28	8.0	24.2	0.45
C4	10 Sep 2024	12	16.88	60.15	7.3	33.29	8.0	24.2	0.44
C4	17 Sep 2024	1	18.47	85.41	7.7	33.35	8.1	23.9	0.36
C4	17 Sep 2024	2	18.70	82.92	7.6	33.37	8.1	23.8	0.38
C4	17 Sep 2024	3	18.55	82.62	7.3	33.32	8.1	23.8	0.40
C4	17 Sep 2024	4	15.91	83.74	7.7	33.32	8.1	24.5	0.40
C4	17 Sep 2024	5	14.97	91.35	8.0	33.16	8.1	24.6	0.39
C4	17 Sep 2024	6	15.29	94.36	7.9	33.10	8.1	24.4	0.40
C4	17 Sep 2024	7	14.30	94.11	7.9	33.16	8.1	24.7	0.46
C4	17 Sep 2024	8	13.90	93.57	7.9	33.10	8.0	24.7	0.46
C4	17 Sep 2024	9	13.81	90.21	7.9	33.10	8.0	24.8	0.45
C4	17 Sep 2024	10	13.79	83.40	7.8	33.10	8.0	24.8	0.44
C4	17 Sep 2024	11	13.81	69.12	7.8	33.11	8.0	24.8	0.46
C4	17 Sep 2024	12	13.83	53.25	7.8	33.11	8.0	24.8	0.49
C4	24 Sep 2024	1	19.40	95.92	7.9	33.43	8.1	23.7	0.47
C4	24 Sep 2024	2	19.41	95.80	7.8	33.44	8.2	23.7	0.48
C4	24 Sep 2024	3	18.86	96.26	7.8	33.43	8.1	23.9	0.59
C4	24 Sep 2024	4	18.55	95.19	7.8	33.40	8.1	23.9	0.73
C4	24 Sep 2024	5	18.32	94.64	7.8	33.39	8.1	24.0	0.78
C4	24 Sep 2024	6	18.16	94.41	7.6	33.37	8.1	24.0	0.75
C4	24 Sep 2024	7	17.62	93.03	7.3	33.37	8.1	24.1	0.69
C4	24 Sep 2024	8	16.59	91.41	7.3	33.32	8.1	24.3	0.55
C4	24 Sep 2024	9	16.13	90.49	7.2	33.30	8.1	24.4	0.52
C4	24 Sep 2024	10	15.50	90.35	7.3	33.27	8.0	24.5	0.49
C4	24 Sep 2024	11	15.33	91.26	7.4	33.25	8.0	24.5	0.47
C4	24 Sep 2024	12	15.30	90.25	7.4	33.24	8.0	24.6	0.45
C4	30 Sep 2024	1	15.99	88.72	8.3	33.26	8.1	24.4	1.17
C4	30 Sep 2024	2	15.98	88.98	8.3	33.26	8.1	24.4	1.21
C4	30 Sep 2024	3	15.91	88.60	8.3	33.27	8.1	24.4	1.36
C4	30 Sep 2024	4	15.66	88.86	8.2	33.26	8.1	24.5	1.56
C4	30 Sep 2024	5	15.22	89.01	8.2	33.26	8.1	24.6	1.74
C4	30 Sep 2024	6	14.71	89.76	7.9	33.25	8.1	24.7	1.57
C4	30 Sep 2024	7	13.88	89.12	7.6	33.24	8.0	24.9	1.08
C4	30 Sep 2024	8	13.63	85.93	7.4	33.21	8.0	24.9	0.65
C4	30 Sep 2024	9	13.35	85.47	7.3	33.20	8.0	24.9	0.54
C4	30 Sep 2024	10	13.29	86.44	7.2	33.19	8.0	24.9	0.47
C4	30 Sep 2024	11	13.26	83.37	7.1	33.19	8.0	24.9	0.44
C4	30 Sep 2024	12	13.25	77.76	7.0	33.19	7.9	24.9	0.42
A7	03 Sep 2024	1	22.74	95.19	7.3	33.56	8.1	22.9	0.27
A7	03 Sep 2024	2	22.74	97.11	7.3	33.56	8.1	22.9	0.30
A7	03 Sep 2024	3	22.74	97.35	7.3	33.56	8.1	22.9	0.34
A7	03 Sep 2024	4	22.66	97.32	7.3	33.56	8.1	22.9	0.31
A7	03 Sep 2024	5	22.54	97.30	7.3	33.55	8.1	23.0	0.31
A7	03 Sep 2024	6	21.95	97.21	7.5	33.53	8.1	23.1	0.35
A7	03 Sep 2024	7	20.91	96.54	7.8	33.48	8.1	23.4	0.50
A7	03 Sep 2024	8	20.30	94.84	7.7	33.46	8.1	23.5	0.61
A7	03 Sep 2024	9	17.58	93.20	8.1	33.39	8.1	24.1	0.73
A7	03 Sep 2024	10	16.23	94.08	8.1	33.30	8.1	24.4	0.66
A7	03 Sep 2024	11	14.75	94.78	8.3	33.27	8.1	24.7	0.78
A7	03 Sep 2024	12	14.71	94.76	8.2	33.23	8.1	24.7	0.90
A7	03 Sep 2024	13	13.62	95.52	8.0	33.28	8.0	24.9	0.97
A7	03 Sep 2024	14	13.51	95.36	7.9	33.24	8.0	24.9	1.12
A7	03 Sep 2024	15	13.12	95.34	7.7	33.25	8.0	25.0	1.14
A7	03 Sep 2024	16	13.08	95.38	7.6	33.26	8.0	25.0	1.16

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
A7	03 Sep 2024	17	12.80	95.14	7.4	33.27	8.0	25.1	1.17
A7	03 Sep 2024	18	12.77	94.79	7.3	33.28	8.0	25.1	1.17
A7	03 Sep 2024	19	12.69	94.71	7.2	33.29	8.0	25.1	1.19
A7	10 Sep 2024	1	22.13	97.71	7.5	33.45	8.1	23.0	0.15
A7	10 Sep 2024	2	22.12	97.71	7.5	33.45	8.1	23.0	0.15
A7	10 Sep 2024	3	22.04	97.81	7.5	33.46	8.1	23.0	0.15
A7	10 Sep 2024	4	21.89	97.79	7.5	33.45	8.1	23.1	0.15
A7	10 Sep 2024	5	21.54	97.81	7.5	33.45	8.1	23.2	0.15
A7	10 Sep 2024	6	20.86	97.98	7.6	33.43	8.1	23.3	0.15
A7	10 Sep 2024	7	20.36	98.20	7.7	33.40	8.1	23.4	0.21
A7	10 Sep 2024	8	19.31	96.92	7.7	33.40	8.1	23.7	0.47
A7	10 Sep 2024	9	17.96	93.84	7.9	33.35	8.1	24.0	0.78
A7	10 Sep 2024	10	17.46	92.83	7.9	33.29	8.1	24.1	0.89
A7	10 Sep 2024	11	16.39	91.88	7.8	33.31	8.1	24.4	0.96
A7	10 Sep 2024	12	15.18	91.11	7.9	33.26	8.1	24.6	1.03
A7	10 Sep 2024	13	14.41	91.71	8.1	33.21	8.0	24.7	1.22
A7	10 Sep 2024	14	14.24	93.05	8.1	33.19	8.0	24.7	1.43
A7	10 Sep 2024	15	14.21	93.36	8.0	33.19	8.0	24.7	1.51
A7	10 Sep 2024	16	14.02	93.27	7.9	33.21	8.0	24.8	1.53
A7	10 Sep 2024	17	13.82	93.17	7.7	33.22	8.0	24.8	1.61
A7	10 Sep 2024	18	13.81	93.43	7.7	33.22	8.0	24.8	1.43
A7	10 Sep 2024	19	13.76	93.78	7.6	33.23	8.0	24.9	1.26
A7	17 Sep 2024	1	19.36	88.84	7.6	33.41	8.1	23.7	0.37
A7	17 Sep 2024	2	18.84	82.03	7.6	33.37	8.1	23.8	0.36
A7	17 Sep 2024	3	17.00	81.37	8.1	33.30	8.1	24.2	0.28
A7	17 Sep 2024	4	16.73	94.51	8.2	33.23	8.1	24.2	0.19
A7	17 Sep 2024	5	16.65	98.30	8.3	33.23	8.1	24.2	0.17
A7	17 Sep 2024	6	16.40	98.92	8.3	33.21	8.1	24.3	0.18
A7	17 Sep 2024	7	16.35	98.81	8.3	33.21	8.1	24.3	0.20
A7	17 Sep 2024	8	16.09	98.74	8.3	33.20	8.1	24.3	0.23
A7	17 Sep 2024	9	15.61	98.61	8.3	33.16	8.1	24.4	0.38
A7	17 Sep 2024	10	15.32	98.04	8.4	33.13	8.1	24.5	0.59
A7	17 Sep 2024	11	15.29	97.94	8.3	33.14	8.1	24.5	0.65
A7	17 Sep 2024	12	15.05	97.79	8.3	33.14	8.1	24.5	0.70
A7	17 Sep 2024	13	15.02	97.65	8.3	33.13	8.1	24.5	0.68
A7	17 Sep 2024	14	15.00	97.60	8.3	33.14	8.1	24.5	0.74
A7	17 Sep 2024	15	14.98	97.40	8.3	33.14	8.1	24.5	0.76
A7	17 Sep 2024	16	14.92	97.48	8.3	33.14	8.1	24.6	0.76
A7	17 Sep 2024	17	14.85	97.51	8.1	33.14	8.1	24.6	0.71
A7	17 Sep 2024	18	14.51	97.17	8.0	33.13	8.0	24.6	0.63
A7	17 Sep 2024	19	14.04	95.85	7.9	33.14	8.0	24.7	0.57
A7	24 Sep 2024	1	18.40	95.84	8.2	33.39	8.1	23.9	0.60
A7	24 Sep 2024	2	17.97	95.85	8.3	33.36	8.1	24.0	0.67
A7	24 Sep 2024	3	17.01	95.87	8.3	33.35	8.1	24.2	0.75
A7	24 Sep 2024	4	16.11	95.50	8.3	33.29	8.1	24.4	0.87
A7	24 Sep 2024	5	15.85	95.53	8.2	33.27	8.1	24.5	0.85
A7	24 Sep 2024	6	15.72	95.67	8.2	33.26	8.1	24.5	0.83
A7	24 Sep 2024	7	15.64	95.77	8.2	33.26	8.1	24.5	0.82
A7	24 Sep 2024	8	15.49	95.84	8.2	33.26	8.1	24.5	0.82
A7	24 Sep 2024	9	15.42	95.86	8.2	33.26	8.1	24.5	0.84
A7	24 Sep 2024	10	15.12	95.91	8.0	33.26	8.1	24.6	0.82
A7	24 Sep 2024	11	14.94	95.84	8.0	33.25	8.1	24.6	0.85
A7	24 Sep 2024	12	14.69	95.91	8.0	33.24	8.0	24.7	0.94
A7	24 Sep 2024	13	14.60	95.84	8.0	33.23	8.0	24.7	1.02
A7	24 Sep 2024	14	14.59	95.74	7.9	33.23	8.0	24.7	1.05
A7	24 Sep 2024	15	14.39	95.85	7.8	33.24	8.0	24.7	1.02
A7	24 Sep 2024	16	14.16	95.82	7.7	33.23	8.0	24.8	0.93
A7	24 Sep 2024	17	13.91	95.99	7.6	33.23	8.0	24.8	0.93

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
A7	24 Sep 2024	18	13.67	95.97	7.5	33.21	8.0	24.9	0.93
A7	24 Sep 2024	19	13.53	96.02	7.5	33.21	8.0	24.9	0.84
A7	24 Sep 2024	20	13.44	96.00	7.4	33.20	8.0	24.9	0.78
A7	30 Sep 2024	1	15.18	88.85	8.1	33.21	8.0	24.6	1.91
A7	30 Sep 2024	2	14.70	88.86	8.0	33.23	8.0	24.7	1.91
A7	30 Sep 2024	3	14.10	89.55	8.0	33.20	8.0	24.8	1.84
A7	30 Sep 2024	4	13.99	91.52	8.0	33.19	8.0	24.8	1.69
A7	30 Sep 2024	5	13.83	92.04	7.9	33.19	8.0	24.8	1.53
A7	30 Sep 2024	6	13.46	93.59	7.8	33.19	8.0	24.9	1.39
A7	30 Sep 2024	7	13.25	95.04	7.7	33.17	8.0	24.9	1.25
A7	30 Sep 2024	8	13.19	95.78	7.6	33.16	8.0	24.9	1.31
A7	30 Sep 2024	9	13.12	96.14	7.6	33.17	8.0	24.9	1.25
A7	30 Sep 2024	10	13.03	96.43	7.5	33.17	8.0	25.0	1.20
A7	30 Sep 2024	11	13.02	96.66	7.5	33.17	8.0	25.0	1.19
A7	30 Sep 2024	12	12.92	96.79	7.4	33.18	8.0	25.0	1.14
A7	30 Sep 2024	13	12.86	96.77	7.3	33.19	7.9	25.0	1.11
A7	30 Sep 2024	14	12.84	96.83	7.3	33.19	7.9	25.0	1.12
A7	30 Sep 2024	15	12.83	96.81	7.3	33.19	7.9	25.0	1.11
A7	30 Sep 2024	16	12.82	96.79	7.3	33.19	7.9	25.0	1.07
A7	30 Sep 2024	17	12.79	96.64	7.2	33.20	7.9	25.0	1.03
A7	30 Sep 2024	18	12.63	96.79	7.0	33.22	7.9	25.1	0.92
A7	30 Sep 2024	19	12.55	96.84	6.9	33.23	7.9	25.1	0.91
A7	30 Sep 2024	20	12.23	96.87	6.7	33.27	7.9	25.2	0.83
A7	30 Sep 2024	21	12.06	96.44	6.5	33.29	7.9	25.2	0.66
C5	03 Sep 2024	1	22.24	93.46	7.6	33.54	8.2	23.0	0.81
C5	03 Sep 2024	2	22.13	93.42	7.7	33.55	8.2	23.1	0.91
C5	03 Sep 2024	3	21.95	92.93	7.7	33.53	8.2	23.1	1.11
C5	03 Sep 2024	4	21.53	92.48	7.8	33.52	8.2	23.2	1.18
C5	03 Sep 2024	5	21.24	92.20	7.9	33.49	8.2	23.3	1.18
C5	03 Sep 2024	6	20.83	92.22	7.8	33.49	8.1	23.4	1.08
C5	03 Sep 2024	7	19.89	92.19	8.0	33.45	8.1	23.6	1.11
C5	03 Sep 2024	8	19.15	91.21	8.1	33.41	8.1	23.8	1.50
C5	03 Sep 2024	9	18.38	90.84	8.1	33.39	8.1	23.9	0.92
C5	03 Sep 2024	10	17.12	93.24	8.3	33.36	8.1	24.2	0.41
C5	10 Sep 2024	1	21.66	88.73	7.8	33.43	8.1	23.1	0.57
C5	10 Sep 2024	2	21.59	76.14	7.7	33.42	8.1	23.1	0.62
C5	10 Sep 2024	3	21.18	87.05	7.7	33.43	8.1	23.2	0.83
C5	10 Sep 2024	4	20.78	83.21	7.7	33.40	8.1	23.3	1.34
C5	10 Sep 2024	5	20.25	85.52	7.7	33.41	8.1	23.5	1.33
C5	10 Sep 2024	6	19.81	89.79	7.9	33.38	8.1	23.6	1.18
C5	10 Sep 2024	7	19.89	88.74	7.9	33.36	8.1	23.5	1.24
C5	10 Sep 2024	8	19.17	88.02	7.7	33.38	8.1	23.7	1.28
C5	10 Sep 2024	9	18.09	86.00	7.7	33.34	8.1	24.0	1.00
C5	10 Sep 2024	10	17.76	76.58	7.8	33.31	8.1	24.0	0.68
C5	17 Sep 2024	1	20.24	76.68	7.3	33.48	8.1	23.5	0.45
C5	17 Sep 2024	2	19.61	74.77	7.3	33.48	8.1	23.7	0.47
C5	17 Sep 2024	3	16.88	85.03	8.0	33.30	8.1	24.2	0.40
C5	17 Sep 2024	4	16.21	93.39	8.2	33.20	8.1	24.3	0.34
C5	17 Sep 2024	5	15.94	95.19	8.2	33.16	8.1	24.3	0.32
C5	17 Sep 2024	6	15.90	95.97	8.1	33.16	8.1	24.4	0.32
C5	17 Sep 2024	7	15.74	95.39	8.1	33.16	8.1	24.4	0.31
C5	17 Sep 2024	8	15.69	94.78	8.0	33.15	8.1	24.4	0.33
C5	17 Sep 2024	9	15.58	92.89	7.9	33.16	8.1	24.4	0.28
C5	17 Sep 2024	10	15.38	91.31	7.8	33.16	8.0	24.5	0.29
C5	17 Sep 2024	11	15.07	88.49	7.8	33.15	8.0	24.5	0.29
C5	24 Sep 2024	1	19.96	96.80	7.7	33.48	8.2	23.6	0.37

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
C5	24 Sep 2024	2	19.68	96.74	7.7	33.47	8.2	23.7	0.42
C5	24 Sep 2024	3	18.43	96.59	8.0	33.40	8.1	23.9	0.65
C5	24 Sep 2024	4	18.15	95.72	8.0	33.37	8.1	24.0	0.91
C5	24 Sep 2024	5	17.93	94.34	7.8	33.36	8.1	24.0	1.00
C5	24 Sep 2024	6	17.59	93.93	7.6	33.35	8.1	24.1	0.90
C5	24 Sep 2024	7	16.94	94.02	7.4	33.33	8.1	24.2	0.70
C5	24 Sep 2024	8	16.39	93.72	7.1	33.30	8.1	24.4	0.58
C5	24 Sep 2024	9	14.89	93.84	7.1	33.26	8.0	24.7	0.44
C5	24 Sep 2024	10	14.13	93.65	7.3	33.20	8.0	24.8	0.40
C5	24 Sep 2024	11	14.11	93.28	7.3	33.19	8.0	24.8	0.36
C5	30 Sep 2024	1	15.35	86.23	8.2	33.22	8.1	24.5	1.06
C5	30 Sep 2024	2	15.34	86.06	8.1	33.23	8.1	24.5	1.09
C5	30 Sep 2024	3	14.94	86.22	8.1	33.23	8.1	24.6	1.42
C5	30 Sep 2024	4	14.73	87.42	8.1	33.22	8.0	24.7	1.82
C5	30 Sep 2024	5	14.30	88.86	8.0	33.22	8.0	24.8	1.79
C5	30 Sep 2024	6	14.16	91.16	7.9	33.21	8.0	24.8	1.34
C5	30 Sep 2024	7	14.02	92.46	7.7	33.21	8.0	24.8	1.05
C5	30 Sep 2024	8	13.83	92.85	7.6	33.20	8.0	24.8	0.86
C5	30 Sep 2024	9	13.60	93.21	7.4	33.20	8.0	24.9	0.69
C5	30 Sep 2024	10	13.39	92.10	7.3	33.20	8.0	24.9	0.63
C5	30 Sep 2024	11	13.36	90.37	7.3	33.19	8.0	24.9	0.62
A6	03 Sep 2024	1	22.76	97.18	7.3	33.57	8.1	22.9	0.26
A6	03 Sep 2024	2	22.76	97.05	7.3	33.57	8.1	22.9	0.41
A6	03 Sep 2024	3	22.71	97.30	7.3	33.57	8.1	22.9	0.34
A6	03 Sep 2024	4	22.49	97.17	7.4	33.56	8.1	23.0	0.35
A6	03 Sep 2024	5	22.25	96.66	7.6	33.54	8.1	23.0	0.38
A6	03 Sep 2024	6	21.87	96.18	7.6	33.52	8.1	23.1	0.44
A6	03 Sep 2024	7	20.85	95.50	7.7	33.49	8.1	23.4	0.55
A6	03 Sep 2024	8	18.57	94.11	8.1	33.41	8.1	23.9	0.76
A6	03 Sep 2024	9	16.87	93.10	8.1	33.33	8.1	24.3	0.75
A6	03 Sep 2024	10	15.75	94.25	7.9	33.30	8.1	24.5	0.61
A6	03 Sep 2024	11	14.55	95.24	8.0	33.25	8.1	24.7	0.75
A6	03 Sep 2024	12	13.66	95.03	8.0	33.25	8.0	24.9	1.05
A6	03 Sep 2024	13	13.36	94.73	7.9	33.23	8.0	24.9	1.40
A6	03 Sep 2024	14	13.08	94.90	7.7	33.24	8.0	25.0	1.43
A6	03 Sep 2024	15	12.80	95.04	7.5	33.26	8.0	25.1	1.41
A6	03 Sep 2024	16	12.63	94.58	7.3	33.27	8.0	25.1	1.46
A6	03 Sep 2024	17	12.58	94.42	7.2	33.28	8.0	25.1	1.42
A6	03 Sep 2024	18	12.58	94.53	7.2	33.28	8.0	25.1	1.46
A6	03 Sep 2024	19	12.58	94.52	7.2	33.29	8.0	25.1	1.51
A6	10 Sep 2024	1	22.12	95.14	7.6	33.45	8.1	23.0	0.36
A6	10 Sep 2024	2	22.10	94.99	7.6	33.45	8.1	23.0	0.34
A6	10 Sep 2024	3	22.05	95.44	7.6	33.45	8.1	23.0	0.31
A6	10 Sep 2024	4	21.79	95.69	7.5	33.44	8.1	23.1	0.25
A6	10 Sep 2024	5	20.95	96.55	7.6	33.44	8.1	23.3	0.20
A6	10 Sep 2024	6	20.47	97.89	7.8	33.41	8.1	23.4	0.21
A6	10 Sep 2024	7	20.08	97.75	7.9	33.39	8.1	23.5	0.26
A6	10 Sep 2024	8	19.78	97.60	7.9	33.37	8.1	23.6	0.35
A6	10 Sep 2024	9	19.28	96.53	7.9	33.37	8.1	23.7	0.60
A6	10 Sep 2024	10	18.05	94.66	8.1	33.35	8.1	24.0	0.92
A6	10 Sep 2024	11	17.47	92.80	8.1	33.30	8.1	24.1	1.15
A6	10 Sep 2024	12	16.88	92.22	8.1	33.28	8.1	24.2	1.28
A6	10 Sep 2024	13	16.23	92.13	7.9	33.26	8.1	24.4	1.19
A6	10 Sep 2024	14	14.80	93.01	8.0	33.23	8.1	24.7	1.11
A6	10 Sep 2024	15	14.28	93.33	8.1	33.17	8.0	24.7	1.28
A6	10 Sep 2024	16	14.12	93.59	8.0	33.16	8.0	24.7	1.29
A6	10 Sep 2024	17	13.74	93.86	7.9	33.19	8.0	24.8	1.48
A6	10 Sep 2024	18	13.69	93.91	7.8	33.19	8.0	24.9	1.48

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
A6	10 Sep 2024	19	13.80	93.94	7.8	33.19	8.0	24.8	1.51
A6	10 Sep 2024	20	13.66	93.79	7.7	33.21	8.0	24.9	1.44
A6	17 Sep 2024	1	20.40	81.17	7.4	33.45	8.1	23.5	0.57
A6	17 Sep 2024	2	20.15	85.68	7.3	33.47	8.1	23.6	0.59
A6	17 Sep 2024	3	17.38	94.06	8.1	33.33	8.1	24.1	0.49
A6	17 Sep 2024	4	16.90	96.91	8.2	33.20	8.1	24.2	0.39
A6	17 Sep 2024	5	16.24	97.68	8.3	33.16	8.1	24.3	0.28
A6	17 Sep 2024	6	15.85	98.50	8.4	33.13	8.1	24.3	0.29
A6	17 Sep 2024	7	15.73	98.60	8.4	33.14	8.1	24.4	0.37
A6	17 Sep 2024	8	15.69	98.19	8.4	33.13	8.1	24.4	0.43
A6	17 Sep 2024	9	15.69	98.22	8.4	33.14	8.1	24.4	0.46
A6	17 Sep 2024	10	15.70	98.27	8.4	33.15	8.1	24.4	0.53
A6	17 Sep 2024	11	15.57	98.27	8.4	33.15	8.1	24.4	0.59
A6	17 Sep 2024	12	15.49	98.20	8.4	33.15	8.1	24.4	0.59
A6	17 Sep 2024	13	15.37	98.08	8.4	33.14	8.1	24.5	0.62
A6	17 Sep 2024	14	15.33	98.02	8.4	33.14	8.1	24.5	0.65
A6	17 Sep 2024	15	15.30	97.90	8.4	33.14	8.1	24.5	0.74
A6	17 Sep 2024	16	15.21	97.85	8.4	33.14	8.1	24.5	0.74
A6	17 Sep 2024	17	15.15	97.78	8.3	33.14	8.1	24.5	0.70
A6	17 Sep 2024	18	15.07	97.60	8.3	33.14	8.1	24.5	0.68
A6	17 Sep 2024	19	14.99	97.39	8.3	33.14	8.1	24.5	0.63
A6	24 Sep 2024	1	18.11	95.55	8.0	33.37	8.1	24.0	0.73
A6	24 Sep 2024	2	17.76	95.39	7.9	33.39	8.1	24.1	0.76
A6	24 Sep 2024	3	15.80	94.56	8.3	33.33	8.1	24.5	0.88
A6	24 Sep 2024	4	15.47	95.49	8.4	33.27	8.1	24.5	0.94
A6	24 Sep 2024	5	15.38	95.50	8.4	33.25	8.1	24.5	0.98
A6	24 Sep 2024	6	15.27	95.64	8.4	33.25	8.1	24.6	0.97
A6	24 Sep 2024	7	15.21	95.56	8.4	33.25	8.1	24.6	1.01
A6	24 Sep 2024	8	15.09	95.77	8.3	33.24	8.1	24.6	1.00
A6	24 Sep 2024	9	15.04	95.78	8.2	33.24	8.1	24.6	0.98
A6	24 Sep 2024	10	15.00	95.75	8.1	33.24	8.1	24.6	0.96
A6	24 Sep 2024	11	14.98	95.87	8.0	33.24	8.1	24.6	0.92
A6	24 Sep 2024	12	14.94	95.87	8.0	33.24	8.1	24.6	0.92
A6	24 Sep 2024	13	14.82	95.98	7.8	33.24	8.0	24.7	0.87
A6	24 Sep 2024	14	14.70	96.00	7.7	33.24	8.0	24.7	0.85
A6	24 Sep 2024	15	14.54	96.07	7.7	33.24	8.0	24.7	0.86
A6	24 Sep 2024	16	14.44	96.03	7.6	33.23	8.0	24.7	0.89
A6	24 Sep 2024	17	14.20	96.01	7.6	33.23	8.0	24.8	0.90
A6	24 Sep 2024	18	14.06	95.93	7.6	33.22	8.0	24.8	0.89
A6	30 Sep 2024	1	15.19	87.94	8.1	33.22	8.0	24.6	1.22
A6	30 Sep 2024	2	15.18	75.37	8.1	33.22	8.0	24.6	1.29
A6	30 Sep 2024	3	15.17	84.70	8.1	33.22	8.0	24.6	1.43
A6	30 Sep 2024	4	15.15	88.54	8.1	33.22	8.0	24.6	1.64
A6	30 Sep 2024	5	15.01	88.42	8.1	33.22	8.0	24.6	2.10
A6	30 Sep 2024	6	14.78	87.96	8.0	33.22	8.0	24.6	2.20
A6	30 Sep 2024	7	14.63	88.27	8.0	33.21	8.0	24.7	2.10
A6	30 Sep 2024	8	14.42	89.33	7.9	33.21	8.0	24.7	2.04
A6	30 Sep 2024	9	14.21	89.85	7.9	33.21	8.0	24.8	1.94
A6	30 Sep 2024	10	14.12	90.62	7.9	33.20	8.0	24.8	1.78
A6	30 Sep 2024	11	14.04	91.45	7.8	33.20	8.0	24.8	1.78
A6	30 Sep 2024	12	13.94	92.04	7.8	33.20	8.0	24.8	1.67
A6	30 Sep 2024	13	13.85	92.38	7.7	33.20	8.0	24.8	1.56
A6	30 Sep 2024	14	13.58	92.79	7.6	33.20	8.0	24.9	1.36
A6	30 Sep 2024	15	13.39	93.79	7.4	33.20	8.0	24.9	1.18
A6	30 Sep 2024	16	13.23	94.43	7.3	33.20	8.0	25.0	1.07
A6	30 Sep 2024	17	12.95	95.10	7.1	33.23	7.9	25.0	0.94
A6	30 Sep 2024	18	12.50	95.70	6.8	33.26	7.9	25.1	0.81
A6	30 Sep 2024	19	12.20	96.29	6.7	33.28	7.9	25.2	0.69

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
A6	30 Sep 2024	20	12.28	96.67	6.6	33.27	7.9	25.2	0.67
C6	03 Sep 2024	1	22.18	91.75	7.7	33.54	8.2	23.1	1.05
C6	03 Sep 2024	2	22.12	90.63	7.7	33.54	8.2	23.1	1.18
C6	03 Sep 2024	3	21.84	91.69	7.7	33.53	8.2	23.1	1.22
C6	03 Sep 2024	4	21.05	91.73	7.8	33.51	8.2	23.3	1.28
C6	03 Sep 2024	5	20.11	91.03	7.6	33.48	8.1	23.6	1.14
C6	03 Sep 2024	6	18.91	91.78	7.7	33.44	8.1	23.8	0.74
C6	03 Sep 2024	7	17.68	92.14	8.2	33.38	8.1	24.1	0.89
C6	03 Sep 2024	8	17.32	92.25	8.1	33.33	8.1	24.2	0.82
C6	03 Sep 2024	9	16.68	93.34	8.1	33.32	8.1	24.3	0.43
C6	10 Sep 2024	1	21.75	85.66	7.8	33.42	8.1	23.1	0.71
C6	10 Sep 2024	2	21.73	85.51	7.8	33.42	8.1	23.1	0.77
C6	10 Sep 2024	3	21.61	85.35	7.8	33.42	8.1	23.1	0.88
C6	10 Sep 2024	4	21.20	85.70	7.7	33.42	8.1	23.2	0.96
C6	10 Sep 2024	5	20.55	87.55	7.9	33.41	8.1	23.4	1.03
C6	10 Sep 2024	6	20.34	89.67	8.0	33.38	8.1	23.4	1.02
C6	10 Sep 2024	7	20.53	90.94	7.8	33.40	8.1	23.4	1.07
C6	10 Sep 2024	8	19.95	90.30	7.6	33.38	8.1	23.5	0.96
C6	10 Sep 2024	9	18.96	79.86	7.8	33.35	8.1	23.8	0.53
C6	10 Sep 2024	10	19.44	73.58	7.8	33.31	8.1	23.6	0.44
C6	17 Sep 2024	1	20.29	72.35	7.1	33.49	8.1	23.5	0.55
C6	17 Sep 2024	2	19.64	76.50	7.2	33.46	8.1	23.7	0.56
C6	17 Sep 2024	3	17.48	80.23	7.8	33.34	8.1	24.1	0.56
C6	17 Sep 2024	4	16.56	89.64	8.2	33.21	8.1	24.2	0.42
C6	17 Sep 2024	5	16.32	94.40	8.2	33.19	8.1	24.3	0.35
C6	17 Sep 2024	6	16.09	93.77	8.2	33.18	8.1	24.3	0.35
C6	17 Sep 2024	7	15.80	93.26	8.1	33.17	8.1	24.4	0.38
C6	17 Sep 2024	8	15.49	93.31	8.0	33.16	8.1	24.4	0.37
C6	17 Sep 2024	9	15.56	89.07	8.0	33.15	8.0	24.4	0.36
C6	17 Sep 2024	10	15.04	78.15	7.8	33.16	8.0	24.5	0.36
C6	24 Sep 2024	1	18.02	93.73	7.8	33.37	8.1	24.0	0.95
C6	24 Sep 2024	2	17.83	93.82	7.8	33.36	8.1	24.1	0.91
C6	24 Sep 2024	3	17.66	93.89	7.8	33.35	8.1	24.1	0.94
C6	24 Sep 2024	4	17.52	93.88	7.7	33.35	8.1	24.1	0.96
C6	24 Sep 2024	5	17.07	94.00	7.6	33.35	8.1	24.2	0.94
C6	24 Sep 2024	6	16.22	94.02	7.8	33.31	8.1	24.4	0.94
C6	24 Sep 2024	7	16.13	94.59	7.8	33.29	8.1	24.4	0.96
C6	24 Sep 2024	8	16.01	94.71	7.7	33.28	8.1	24.4	0.92
C6	24 Sep 2024	9	15.60	94.96	7.5	33.28	8.1	24.5	0.79
C6	24 Sep 2024	10	14.88	95.41	7.4	33.26	8.0	24.7	0.60
C6	30 Sep 2024	1	15.34	86.06	7.8	33.23	8.0	24.5	0.53
C6	30 Sep 2024	2	14.80	85.94	7.8	33.27	8.0	24.7	0.61
C6	30 Sep 2024	3	14.22	87.03	7.9	33.23	8.0	24.8	1.01
C6	30 Sep 2024	4	14.09	89.79	7.9	33.21	8.0	24.8	1.14
C6	30 Sep 2024	5	13.99	91.30	7.8	33.21	8.0	24.8	1.15
C6	30 Sep 2024	6	13.75	92.14	7.7	33.21	8.0	24.9	1.13
C6	30 Sep 2024	7	13.70	93.00	7.6	33.20	8.0	24.9	0.99
C6	30 Sep 2024	8	13.64	92.81	7.4	33.20	8.0	24.9	0.86
C6	30 Sep 2024	9	13.29	92.37	7.2	33.20	8.0	24.9	0.73
C6	30 Sep 2024	10	13.28	91.25	7.2	33.19	8.0	24.9	0.56
C7	03 Sep 2024	1	22.81	93.25	7.2	33.57	8.1	22.9	0.35
C7	03 Sep 2024	2	22.81	93.47	7.2	33.57	8.1	22.9	0.39
C7	03 Sep 2024	3	22.79	96.51	7.2	33.57	8.1	22.9	0.41
C7	03 Sep 2024	4	22.74	96.54	7.3	33.56	8.1	22.9	0.43
C7	03 Sep 2024	5	22.54	96.37	7.3	33.56	8.1	23.0	0.47

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
C7	03 Sep 2024	6	22.16	95.23	7.3	33.54	8.1	23.1	0.70
C7	03 Sep 2024	7	20.86	93.81	7.6	33.51	8.1	23.4	0.94
C7	03 Sep 2024	8	18.70	92.36	8.2	33.40	8.1	23.9	1.21
C7	03 Sep 2024	9	17.90	91.58	8.3	33.34	8.1	24.0	1.42
C7	03 Sep 2024	10	16.65	90.71	8.5	33.32	8.1	24.3	1.55
C7	03 Sep 2024	11	16.19	90.70	8.5	33.26	8.1	24.4	1.57
C7	03 Sep 2024	12	15.19	92.38	8.6	33.26	8.1	24.6	1.25
C7	03 Sep 2024	13	14.97	94.09	8.5	33.25	8.1	24.6	1.25
C7	03 Sep 2024	14	14.21	93.81	8.4	33.26	8.1	24.8	1.37
C7	03 Sep 2024	15	13.91	94.35	8.1	33.24	8.1	24.8	1.16
C7	03 Sep 2024	16	13.36	94.75	7.9	33.27	8.0	25.0	1.27
C7	03 Sep 2024	17	13.08	95.09	7.8	33.25	8.0	25.0	1.16
C7	03 Sep 2024	18	13.08	95.62	7.7	33.25	8.0	25.0	1.02
C7	10 Sep 2024	1	22.24	94.11	7.7	33.45	8.1	23.0	0.38
C7	10 Sep 2024	2	22.21	93.96	7.7	33.45	8.1	23.0	0.39
C7	10 Sep 2024	3	21.99	94.26	7.7	33.45	8.1	23.0	0.39
C7	10 Sep 2024	4	21.87	94.41	7.6	33.45	8.1	23.1	0.33
C7	10 Sep 2024	5	21.42	95.45	7.6	33.44	8.1	23.2	0.30
C7	10 Sep 2024	6	21.00	97.02	7.6	33.42	8.1	23.3	0.28
C7	10 Sep 2024	7	20.78	97.87	7.8	33.41	8.1	23.3	0.25
C7	10 Sep 2024	8	20.57	97.63	7.7	33.43	8.1	23.4	0.28
C7	10 Sep 2024	9	18.95	95.46	8.1	33.40	8.1	23.8	0.61
C7	10 Sep 2024	10	18.39	90.37	8.2	33.33	8.1	23.9	1.56
C7	10 Sep 2024	11	17.91	86.33	8.2	33.35	8.1	24.0	2.15
C7	10 Sep 2024	12	17.03	84.46	8.3	33.30	8.1	24.2	2.21
C7	10 Sep 2024	13	16.85	88.02	8.4	33.28	8.1	24.2	1.89
C7	10 Sep 2024	14	16.66	90.88	8.3	33.27	8.1	24.3	1.75
C7	10 Sep 2024	15	16.53	92.00	8.3	33.27	8.1	24.3	1.66
C7	10 Sep 2024	16	16.30	92.35	8.2	33.27	8.1	24.3	1.50
C7	10 Sep 2024	17	15.78	92.28	8.2	33.27	8.1	24.5	1.32
C7	10 Sep 2024	18	15.28	92.37	8.3	33.22	8.1	24.5	1.10
C7	17 Sep 2024	1	20.88	95.60	7.3	33.50	8.1	23.4	0.51
C7	17 Sep 2024	2	20.63	56.98	7.2	33.48	8.1	23.4	0.53
C7	17 Sep 2024	3	18.09	70.70	7.8	33.43	8.1	24.0	0.51
C7	17 Sep 2024	4	16.62	89.39	8.4	33.22	8.1	24.2	0.39
C7	17 Sep 2024	5	16.34	96.76	8.4	33.17	8.1	24.3	0.30
C7	17 Sep 2024	6	16.18	98.13	8.4	33.15	8.1	24.3	0.21
C7	17 Sep 2024	7	15.84	98.53	8.4	33.14	8.1	24.4	0.20
C7	17 Sep 2024	8	15.49	98.43	8.5	33.11	8.1	24.4	0.26
C7	17 Sep 2024	9	15.42	98.39	8.4	33.11	8.1	24.4	0.39
C7	17 Sep 2024	10	15.38	98.15	8.4	33.12	8.1	24.4	0.49
C7	17 Sep 2024	11	15.24	98.04	8.4	33.13	8.1	24.5	0.56
C7	17 Sep 2024	12	15.24	97.69	8.4	33.12	8.1	24.5	0.65
C7	17 Sep 2024	13	15.21	97.75	8.4	33.14	8.1	24.5	0.66
C7	17 Sep 2024	14	15.16	96.92	8.4	33.15	8.1	24.5	0.78
C7	17 Sep 2024	15	15.14	96.27	8.4	33.16	8.1	24.5	0.84
C7	17 Sep 2024	16	14.99	96.11	8.3	33.17	8.1	24.6	0.89
C7	17 Sep 2024	17	14.59	95.61	8.2	33.16	8.1	24.6	0.87
C7	17 Sep 2024	18	14.19	95.27	8.1	33.13	8.1	24.7	0.70
C7	24 Sep 2024	1	17.84	92.94	7.8	33.35	8.1	24.0	1.31
C7	24 Sep 2024	2	17.59	92.67	7.8	33.35	8.1	24.1	1.41
C7	24 Sep 2024	3	17.22	92.74	7.8	33.33	8.1	24.2	1.40
C7	24 Sep 2024	4	16.79	93.41	7.8	33.32	8.1	24.3	1.30
C7	24 Sep 2024	5	16.34	93.64	7.8	33.30	8.1	24.4	1.24
C7	24 Sep 2024	6	16.09	94.09	7.8	33.28	8.1	24.4	1.22
C7	24 Sep 2024	7	15.74	94.32	7.8	33.26	8.1	24.5	1.17
C7	24 Sep 2024	8	15.55	94.53	7.8	33.25	8.1	24.5	1.13
C7	24 Sep 2024	9	15.53	94.71	7.8	33.23	8.1	24.5	1.14

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
C7	24 Sep 2024	10	15.28	94.64	7.7	33.26	8.1	24.6	1.11
C7	24 Sep 2024	11	14.94	94.97	7.7	33.23	8.1	24.6	1.06
C7	24 Sep 2024	12	14.90	95.29	7.7	33.22	8.0	24.6	1.00
C7	24 Sep 2024	13	14.88	95.44	7.7	33.23	8.0	24.6	0.98
C7	24 Sep 2024	14	14.89	95.43	7.7	33.23	8.0	24.6	0.96
C7	24 Sep 2024	15	14.89	95.63	7.7	33.23	8.0	24.6	0.92
C7	24 Sep 2024	16	14.86	95.50	7.6	33.23	8.0	24.6	0.90
C7	24 Sep 2024	17	14.81	95.34	7.5	33.23	8.0	24.6	0.88
C7	24 Sep 2024	18	14.10	95.55	7.3	33.24	8.0	24.8	0.74
C7	24 Sep 2024	19	13.50	95.62	7.4	33.19	8.0	24.9	0.62
C7	30 Sep 2024	1	15.29	84.61	8.0	33.21	8.0	24.5	1.37
C7	30 Sep 2024	2	15.27	84.78	7.9	33.21	8.0	24.5	1.40
C7	30 Sep 2024	3	14.93	84.49	7.9	33.24	8.0	24.6	1.82
C7	30 Sep 2024	4	14.44	84.36	8.0	33.23	8.0	24.7	2.38
C7	30 Sep 2024	5	14.29	87.93	8.0	33.21	8.0	24.7	2.63
C7	30 Sep 2024	6	14.16	90.29	8.0	33.20	8.0	24.8	2.26
C7	30 Sep 2024	7	14.11	91.49	8.1	33.19	8.0	24.8	2.11
C7	30 Sep 2024	8	13.97	92.40	8.0	33.19	8.0	24.8	1.94
C7	30 Sep 2024	9	13.74	93.31	7.9	33.19	8.0	24.8	1.74
C7	30 Sep 2024	10	13.50	94.03	7.7	33.20	8.0	24.9	1.54
C7	30 Sep 2024	11	13.09	94.34	7.3	33.23	8.0	25.0	1.32
C7	30 Sep 2024	12	12.85	94.63	7.1	33.23	7.9	25.1	0.99
C7	30 Sep 2024	13	12.71	94.79	6.9	33.23	7.9	25.1	0.85
C7	30 Sep 2024	14	12.69	94.86	6.8	33.23	7.9	25.1	0.79
C7	30 Sep 2024	15	12.56	94.86	6.7	33.24	7.9	25.1	0.73
C7	30 Sep 2024	16	12.29	94.90	6.6	33.27	7.9	25.2	0.71
C7	30 Sep 2024	17	12.08	95.38	6.4	33.29	7.9	25.2	0.62
C7	30 Sep 2024	18	11.97	95.76	6.3	33.30	7.9	25.3	0.58
C7	30 Sep 2024	19	11.86	95.54	6.2	33.32	7.9	25.3	0.58
C8	03 Sep 2024	1	22.72	96.89	7.2	33.57	8.1	22.9	0.37
C8	03 Sep 2024	2	22.72	96.56	7.3	33.57	8.1	22.9	0.41
C8	03 Sep 2024	3	22.72	96.95	7.3	33.57	8.1	22.9	0.39
C8	03 Sep 2024	4	22.64	96.85	7.4	33.57	8.1	23.0	0.44
C8	03 Sep 2024	5	22.50	96.20	7.5	33.56	8.2	23.0	0.57
C8	03 Sep 2024	6	22.32	95.03	7.6	33.54	8.2	23.0	0.69
C8	03 Sep 2024	7	21.68	93.78	7.6	33.53	8.2	23.2	0.99
C8	03 Sep 2024	8	20.15	89.53	7.8	33.48	8.1	23.6	1.22
C8	03 Sep 2024	9	18.58	89.18	8.2	33.40	8.1	23.9	1.05
C8	03 Sep 2024	10	17.60	91.87	8.5	33.33	8.1	24.1	1.09
C8	03 Sep 2024	11	17.05	92.48	8.4	33.31	8.1	24.2	1.25
C8	03 Sep 2024	12	15.50	92.56	8.7	33.28	8.1	24.5	1.48
C8	03 Sep 2024	13	15.13	92.28	8.5	33.24	8.1	24.6	1.49
C8	03 Sep 2024	14	14.73	93.12	8.2	33.26	8.1	24.7	1.14
C8	03 Sep 2024	15	14.15	94.21	8.0	33.25	8.1	24.8	1.01
C8	03 Sep 2024	16	13.83	94.39	7.9	33.25	8.0	24.9	1.02
C8	03 Sep 2024	17	13.73	94.64	7.8	33.25	8.0	24.9	0.93
C8	03 Sep 2024	18	13.61	94.55	7.9	33.25	8.0	24.9	1.02
C8	03 Sep 2024	19	13.48	94.21	8.0	33.25	8.0	24.9	1.23
C8	03 Sep 2024	20	13.48	94.40	8.0	33.25	8.0	24.9	1.22
C8	10 Sep 2024	1	22.17	72.27	7.6	33.39	8.1	22.9	0.38
C8	10 Sep 2024	2	22.17	84.10	7.6	33.45	8.1	23.0	0.39
C8	10 Sep 2024	3	22.07	93.26	7.6	33.46	8.1	23.0	0.40
C8	10 Sep 2024	4	22.06	94.41	7.6	33.45	8.1	23.0	0.38
C8	10 Sep 2024	5	21.83	95.33	7.6	33.45	8.1	23.1	0.36
C8	10 Sep 2024	6	21.61	96.28	7.6	33.44	8.1	23.1	0.30
C8	10 Sep 2024	7	21.07	97.14	7.8	33.43	8.1	23.3	0.29
C8	10 Sep 2024	8	20.52	96.97	8.0	33.40	8.1	23.4	0.31
C8	10 Sep 2024	9	20.13	97.14	8.0	33.39	8.1	23.5	0.32

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
C8	10 Sep 2024	10	18.95	96.73	8.2	33.36	8.1	23.8	0.46
C8	10 Sep 2024	11	17.79	95.09	8.3	33.33	8.1	24.0	0.87
C8	10 Sep 2024	12	17.32	90.91	8.3	33.29	8.1	24.1	0.95
C8	10 Sep 2024	13	16.85	90.11	8.3	33.29	8.1	24.2	1.01
C8	10 Sep 2024	14	16.54	90.25	8.4	33.27	8.1	24.3	1.21
C8	10 Sep 2024	15	16.38	91.09	8.4	33.26	8.1	24.3	1.21
C8	10 Sep 2024	16	16.01	92.13	8.3	33.27	8.1	24.4	1.02
C8	10 Sep 2024	17	15.37	92.30	8.1	33.25	8.1	24.5	0.66
C8	10 Sep 2024	18	15.23	89.97	8.0	33.23	8.0	24.6	0.46
C8	10 Sep 2024	19	15.28	87.18	7.9	33.24	8.0	24.6	0.44
C8	10 Sep 2024	20	15.24	86.34	7.9	33.24	8.0	24.6	0.41
C8	17 Sep 2024	1	21.19	92.65	7.1	33.54	8.1	23.3	0.60
C8	17 Sep 2024	2	21.09	92.81	7.1	33.53	8.1	23.4	0.61
C8	17 Sep 2024	3	20.27	93.01	7.1	33.48	8.1	23.5	0.60
C8	17 Sep 2024	4	17.86	93.72	7.9	33.35	8.1	24.0	0.59
C8	17 Sep 2024	5	17.13	95.18	8.3	33.23	8.1	24.1	0.48
C8	17 Sep 2024	6	16.43	97.02	8.4	33.24	8.1	24.3	0.45
C8	17 Sep 2024	7	16.15	97.16	8.5	33.18	8.1	24.3	0.44
C8	17 Sep 2024	8	15.91	97.15	8.6	33.17	8.1	24.4	0.42
C8	17 Sep 2024	9	15.76	97.21	8.6	33.16	8.1	24.4	0.47
C8	17 Sep 2024	10	15.54	97.22	8.6	33.16	8.1	24.4	0.50
C8	17 Sep 2024	11	15.42	96.81	8.6	33.15	8.1	24.5	0.55
C8	17 Sep 2024	12	15.33	96.76	8.6	33.15	8.1	24.5	0.62
C8	17 Sep 2024	13	15.21	96.53	8.5	33.15	8.1	24.5	0.72
C8	17 Sep 2024	14	14.86	96.35	8.4	33.14	8.1	24.6	0.86
C8	17 Sep 2024	15	14.72	95.88	8.4	33.14	8.1	24.6	1.02
C8	17 Sep 2024	16	14.71	95.50	8.3	33.15	8.1	24.6	1.06
C8	17 Sep 2024	17	14.58	95.03	8.2	33.16	8.1	24.6	1.12
C8	17 Sep 2024	18	14.27	94.52	8.0	33.17	8.1	24.7	0.97
C8	17 Sep 2024	19	13.82	93.60	7.9	33.16	8.0	24.8	0.76
C8	17 Sep 2024	20	13.54	91.83	7.8	33.15	8.0	24.9	0.65
C8	24 Sep 2024	1	17.80	91.19	7.8	33.34	8.1	24.1	1.30
C8	24 Sep 2024	2	17.78	91.11	7.7	33.34	8.1	24.1	1.39
C8	24 Sep 2024	3	17.08	91.37	7.8	33.33	8.1	24.2	1.33
C8	24 Sep 2024	4	16.79	92.98	7.9	33.30	8.1	24.3	1.26
C8	24 Sep 2024	5	16.73	93.38	7.9	33.29	8.1	24.3	1.19
C8	24 Sep 2024	6	16.69	93.64	7.9	33.29	8.1	24.3	1.17
C8	24 Sep 2024	7	16.65	93.70	7.9	33.29	8.1	24.3	1.16
C8	24 Sep 2024	8	16.62	93.71	7.9	33.29	8.1	24.3	1.14
C8	24 Sep 2024	9	16.56	93.91	7.8	33.29	8.1	24.3	1.18
C8	24 Sep 2024	10	16.39	93.70	7.8	33.28	8.1	24.3	1.11
C8	24 Sep 2024	11	16.08	93.75	7.8	33.27	8.1	24.4	1.00
C8	24 Sep 2024	12	15.90	93.98	7.8	33.26	8.1	24.4	0.89
C8	24 Sep 2024	13	15.76	94.40	7.8	33.25	8.1	24.5	0.86
C8	24 Sep 2024	14	15.63	94.51	7.7	33.25	8.1	24.5	0.80
C8	24 Sep 2024	15	15.48	94.69	7.5	33.24	8.1	24.5	0.69
C8	24 Sep 2024	16	14.45	94.92	7.5	33.25	8.0	24.7	0.66
C8	24 Sep 2024	17	14.11	95.33	7.5	33.20	8.0	24.8	0.66
C8	24 Sep 2024	18	13.88	95.35	7.5	33.20	8.0	24.8	0.69
C8	24 Sep 2024	19	13.58	95.57	7.4	33.18	8.0	24.9	0.74
C8	24 Sep 2024	20	13.57	95.55	7.4	33.17	8.0	24.9	0.71
C8	30 Sep 2024	1	15.98	89.73	8.1	33.25	8.1	24.4	1.37
C8	30 Sep 2024	2	15.85	89.55	8.0	33.25	8.1	24.4	1.44
C8	30 Sep 2024	3	14.87	90.11	8.1	33.26	8.0	24.7	1.58
C8	30 Sep 2024	4	14.51	91.35	8.2	33.20	8.0	24.7	1.60
C8	30 Sep 2024	5	14.38	92.42	8.1	33.19	8.0	24.7	1.66
C8	30 Sep 2024	6	14.34	92.79	8.1	33.19	8.0	24.7	1.66
C8	30 Sep 2024	7	14.28	92.82	8.1	33.19	8.0	24.7	1.70

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (s-t)	Chlor (µg/L)
C8	30 Sep 2024	8	14.26	92.79	8.1	33.19	8.0	24.7	1.72
C8	30 Sep 2024	9	14.23	92.88	8.1	33.19	8.0	24.7	1.66
C8	30 Sep 2024	10	14.18	92.89	8.0	33.19	8.0	24.8	1.69
C8	30 Sep 2024	11	14.03	92.96	8.0	33.20	8.0	24.8	1.56
C8	30 Sep 2024	12	13.79	93.14	7.9	33.19	8.0	24.8	1.57
C8	30 Sep 2024	13	13.54	93.47	7.7	33.20	8.0	24.9	1.43
C8	30 Sep 2024	14	13.20	93.97	7.4	33.20	8.0	25.0	1.18
C8	30 Sep 2024	15	12.97	94.70	7.2	33.21	8.0	25.0	0.99
C8	30 Sep 2024	16	12.74	94.96	7.0	33.22	7.9	25.1	0.83
C8	30 Sep 2024	17	12.62	95.23	6.9	33.23	7.9	25.1	0.73
C8	30 Sep 2024	18	12.67	95.21	6.7	33.22	7.9	25.1	0.71
C8	30 Sep 2024	19	12.32	95.08	6.6	33.26	7.9	25.2	0.65
C8	30 Sep 2024	20	12.05	94.78	6.4	33.30	7.9	25.3	0.59

NA = not available

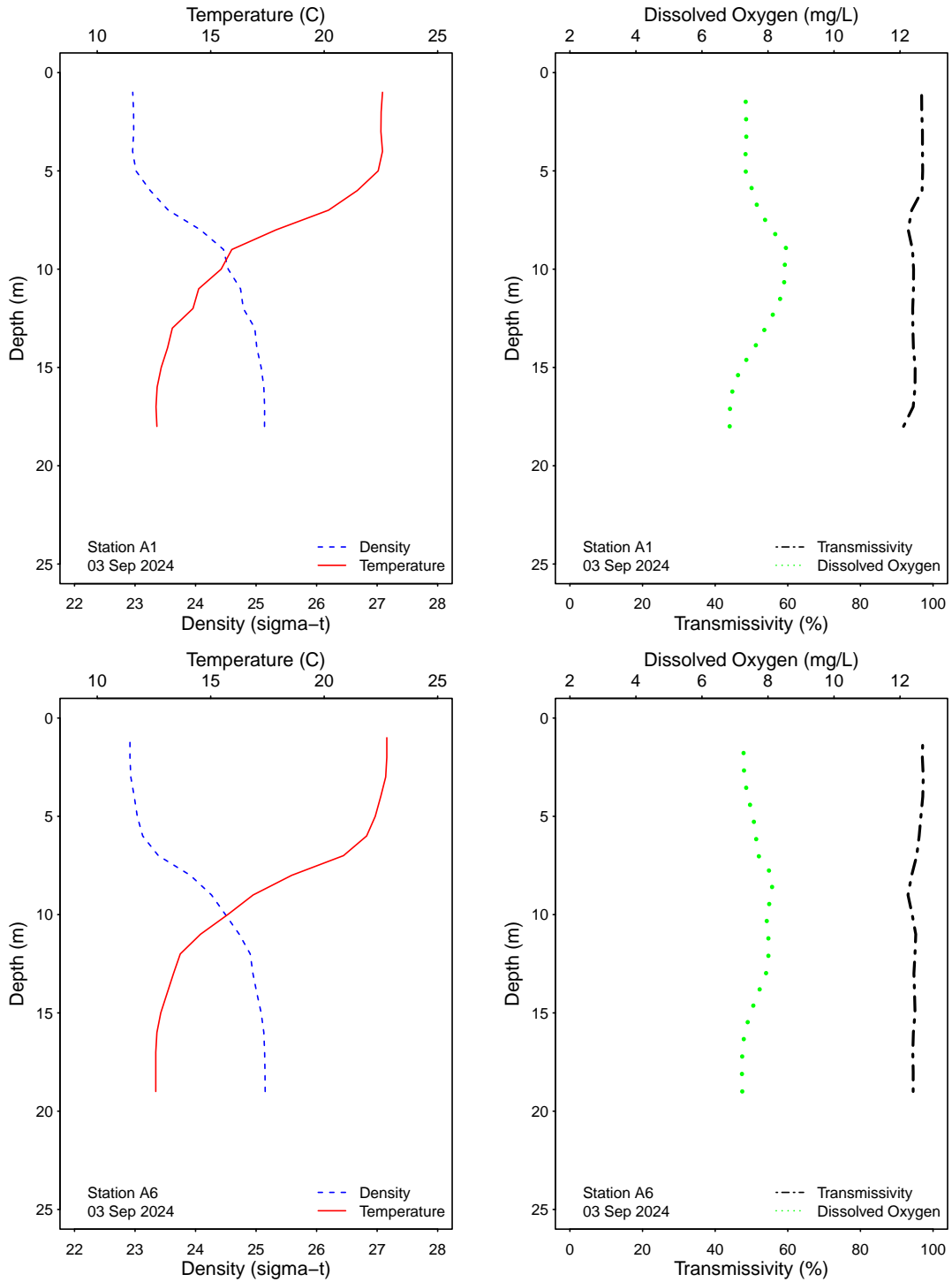


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

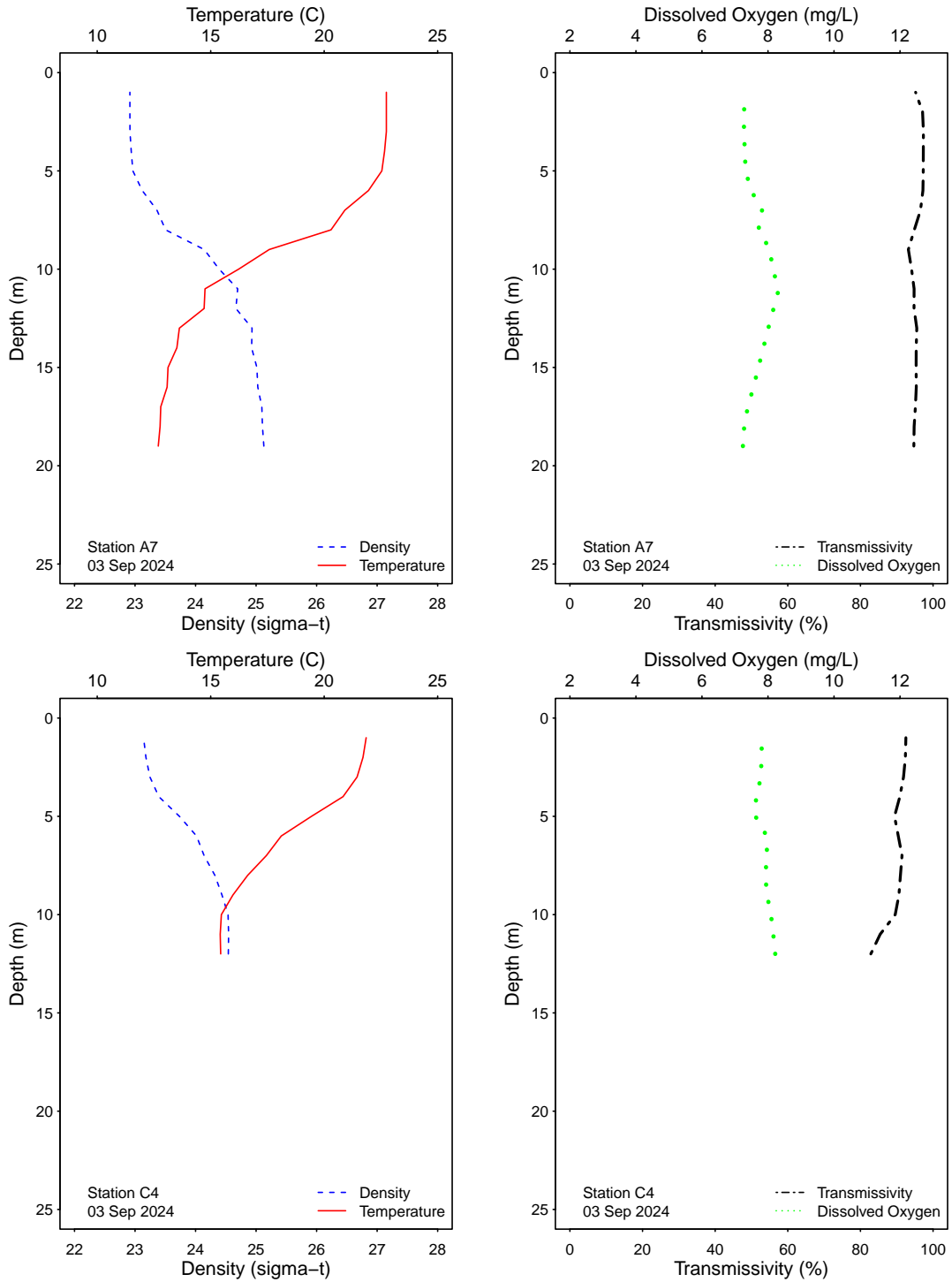


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

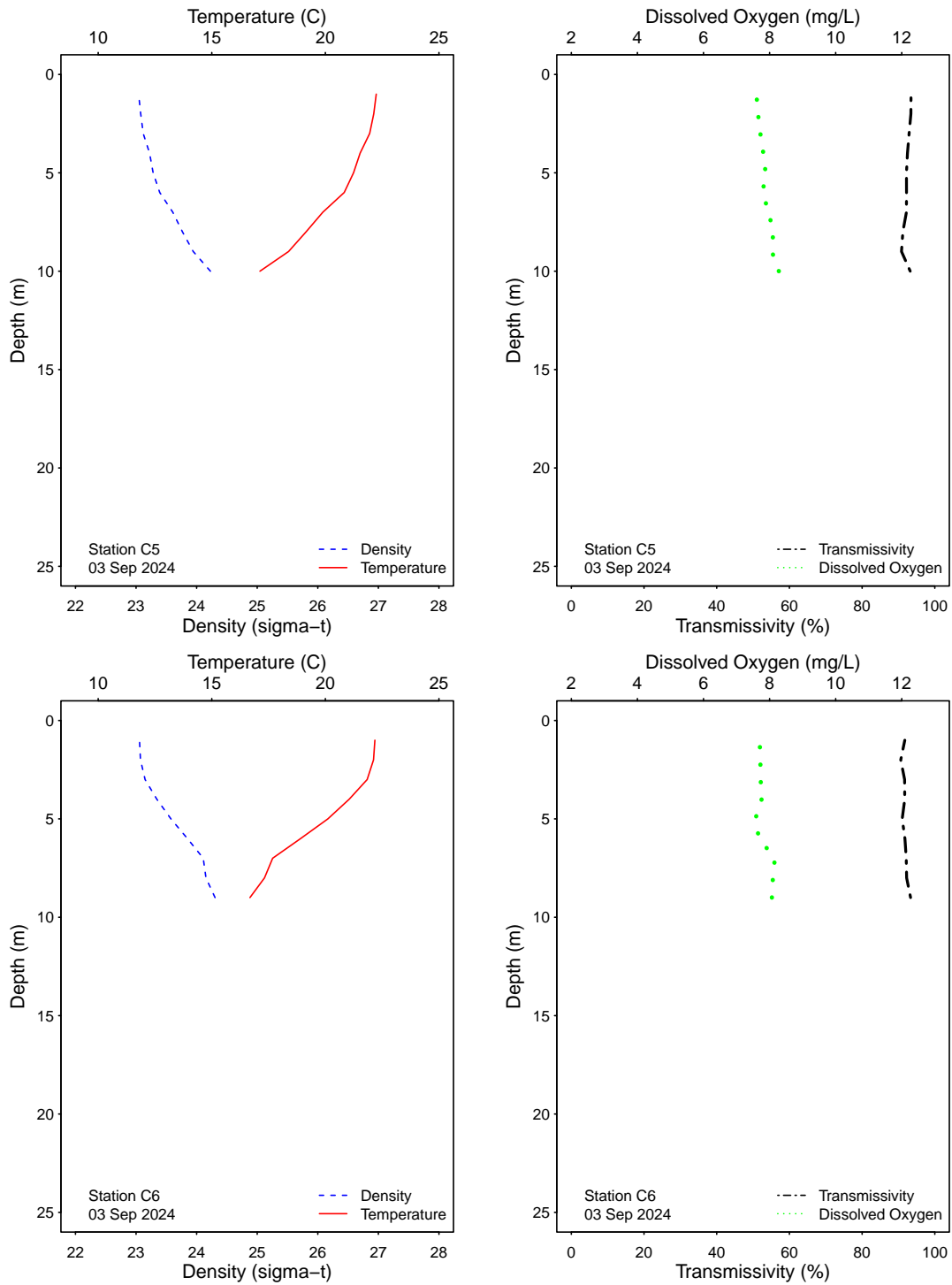


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

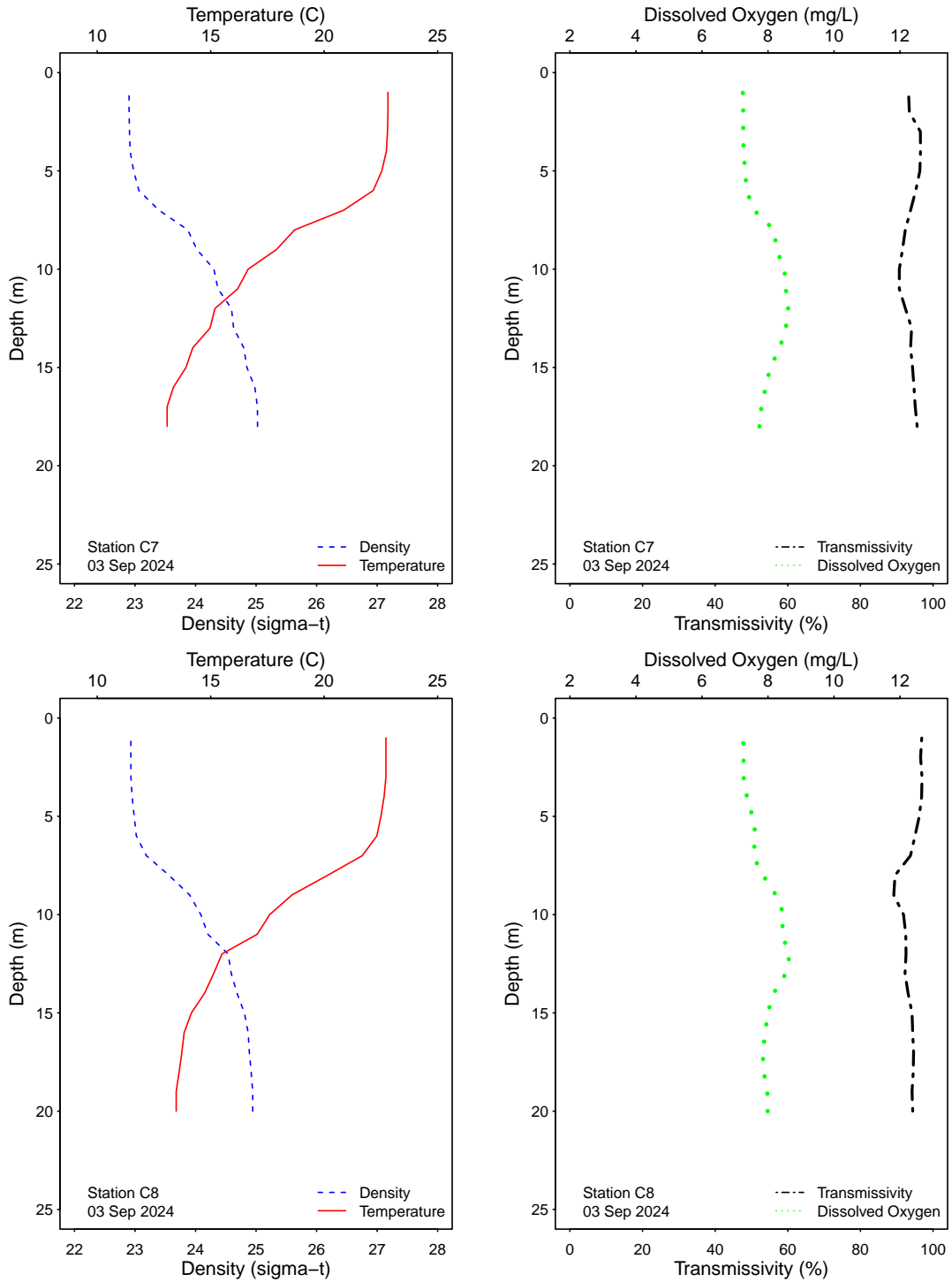


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

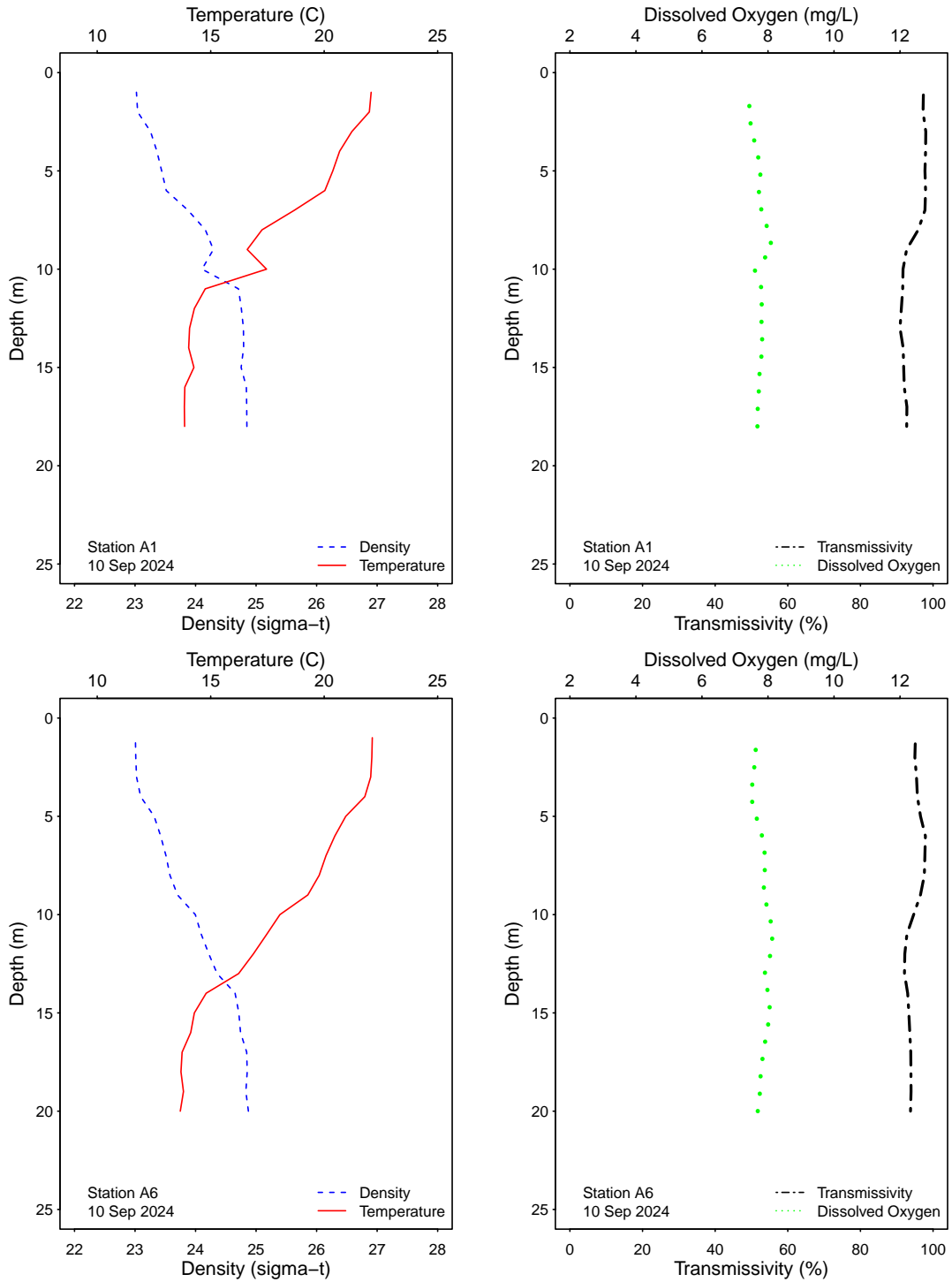


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

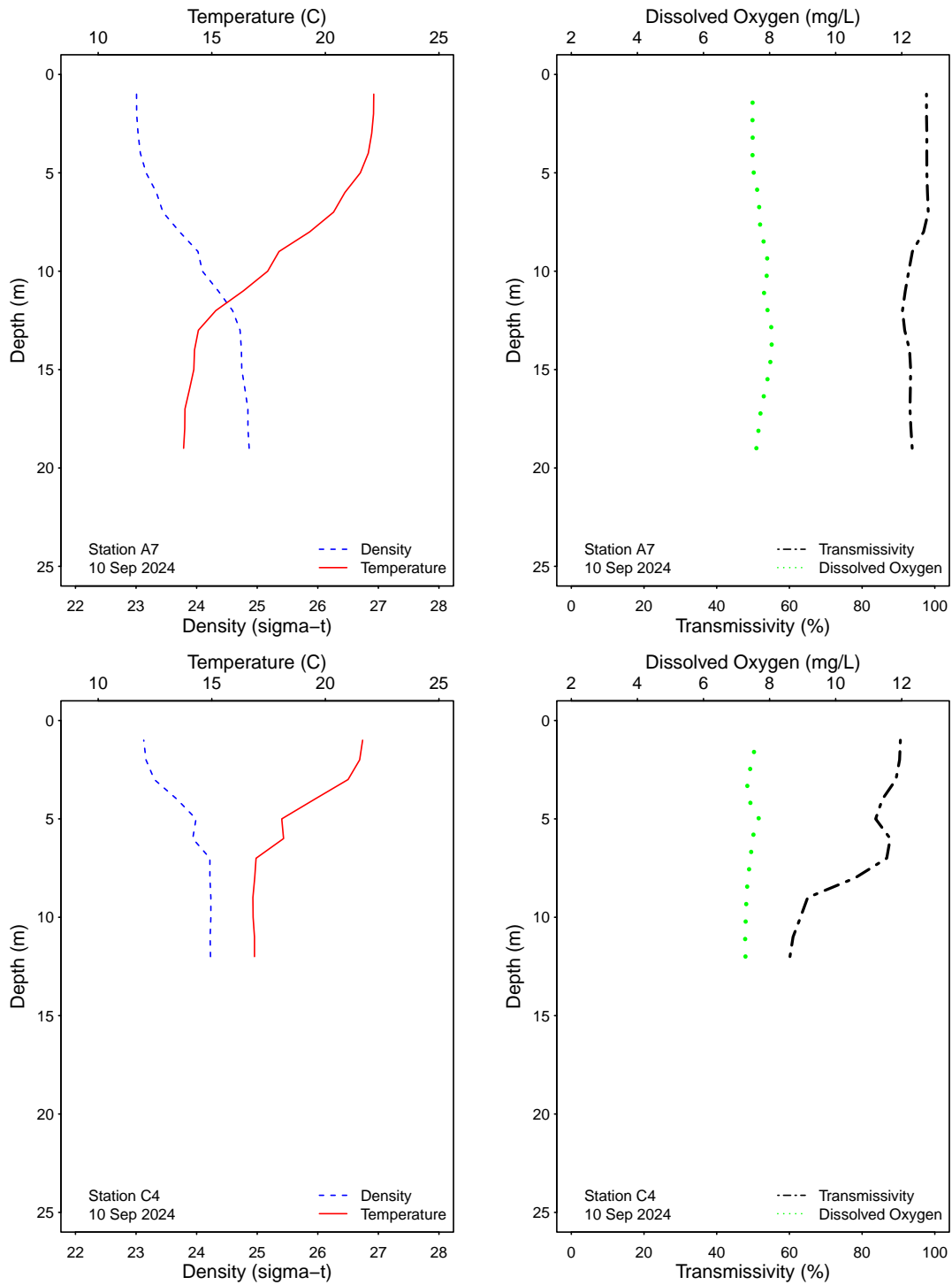


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

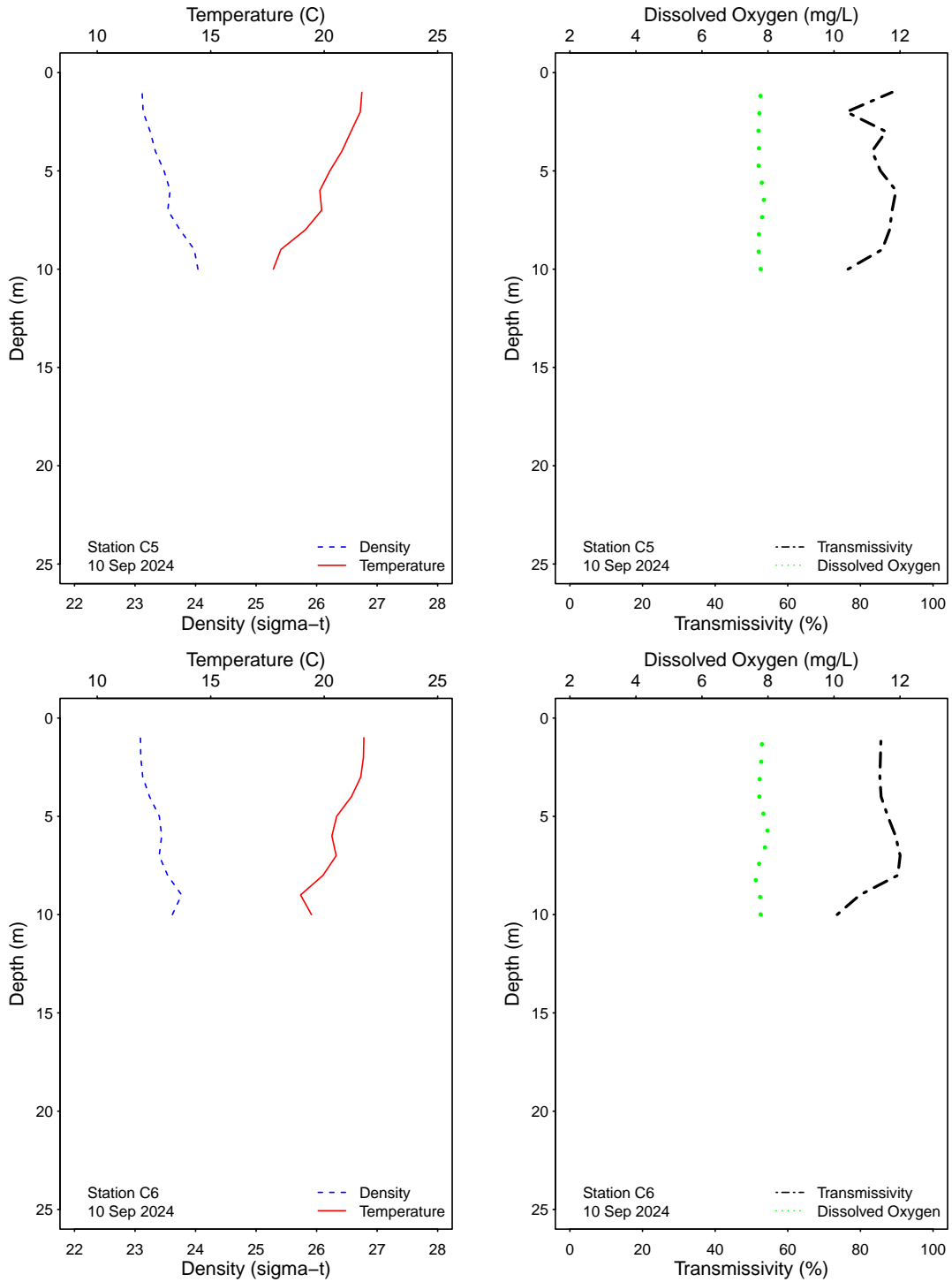


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

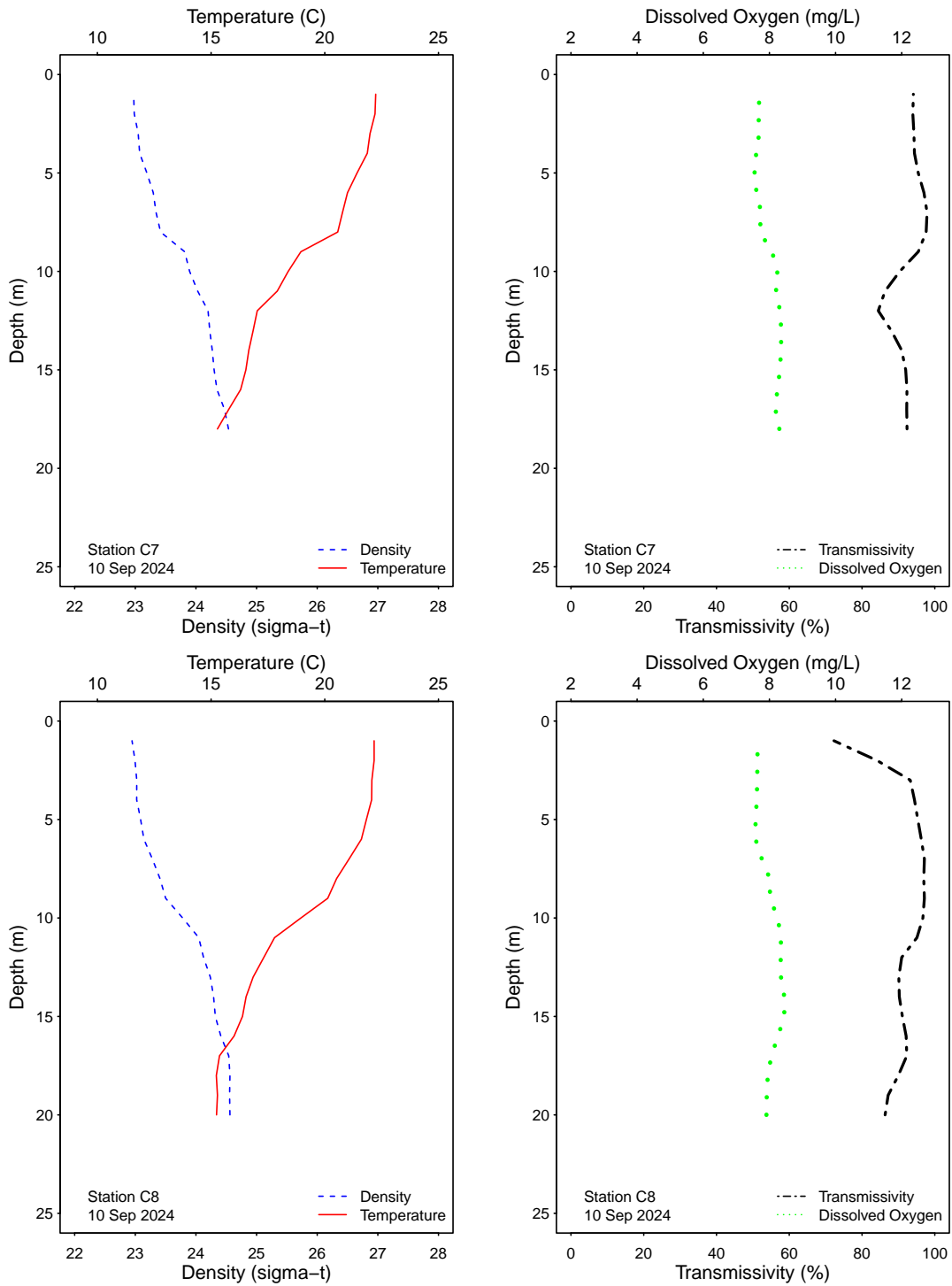


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

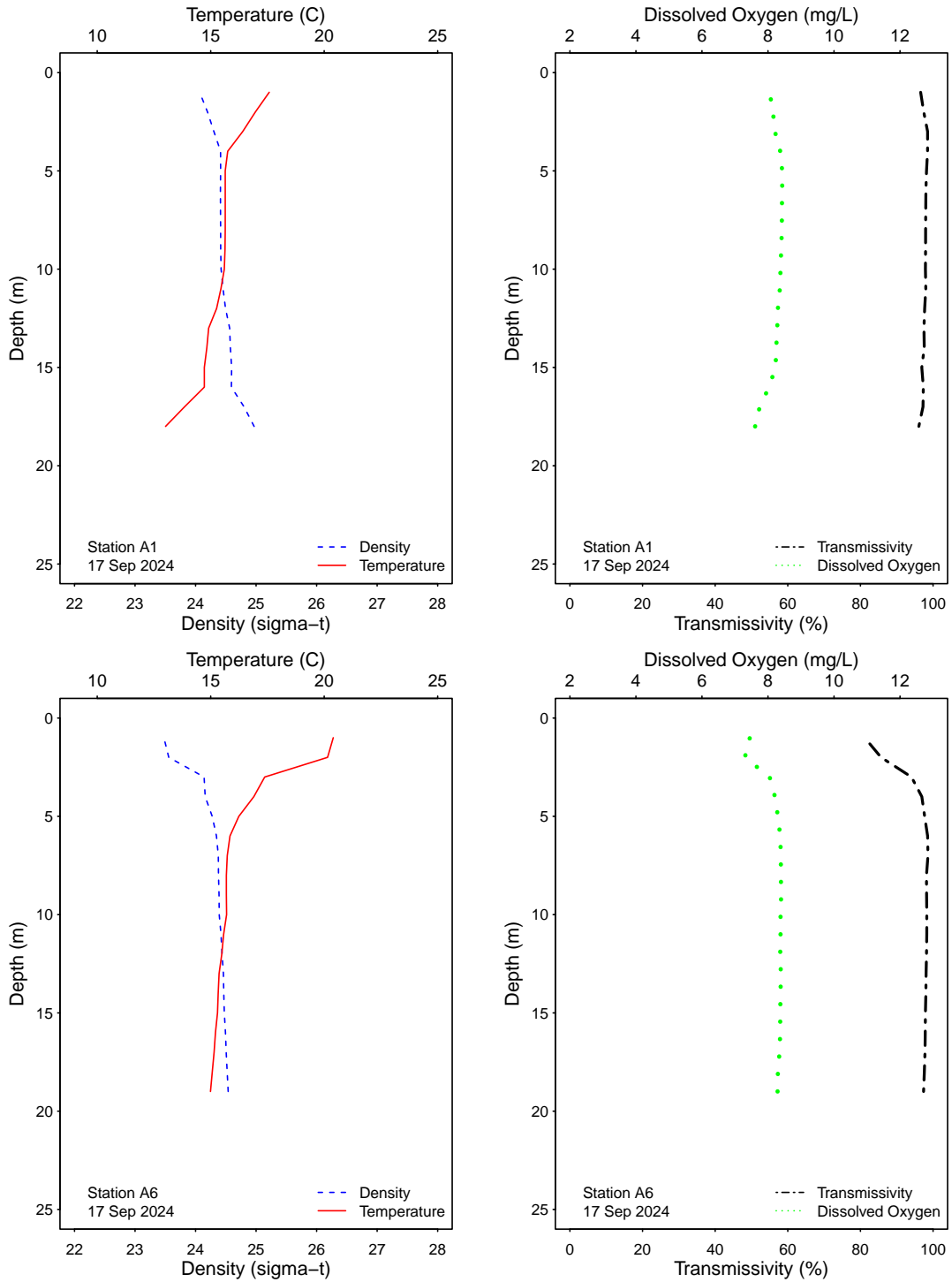


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

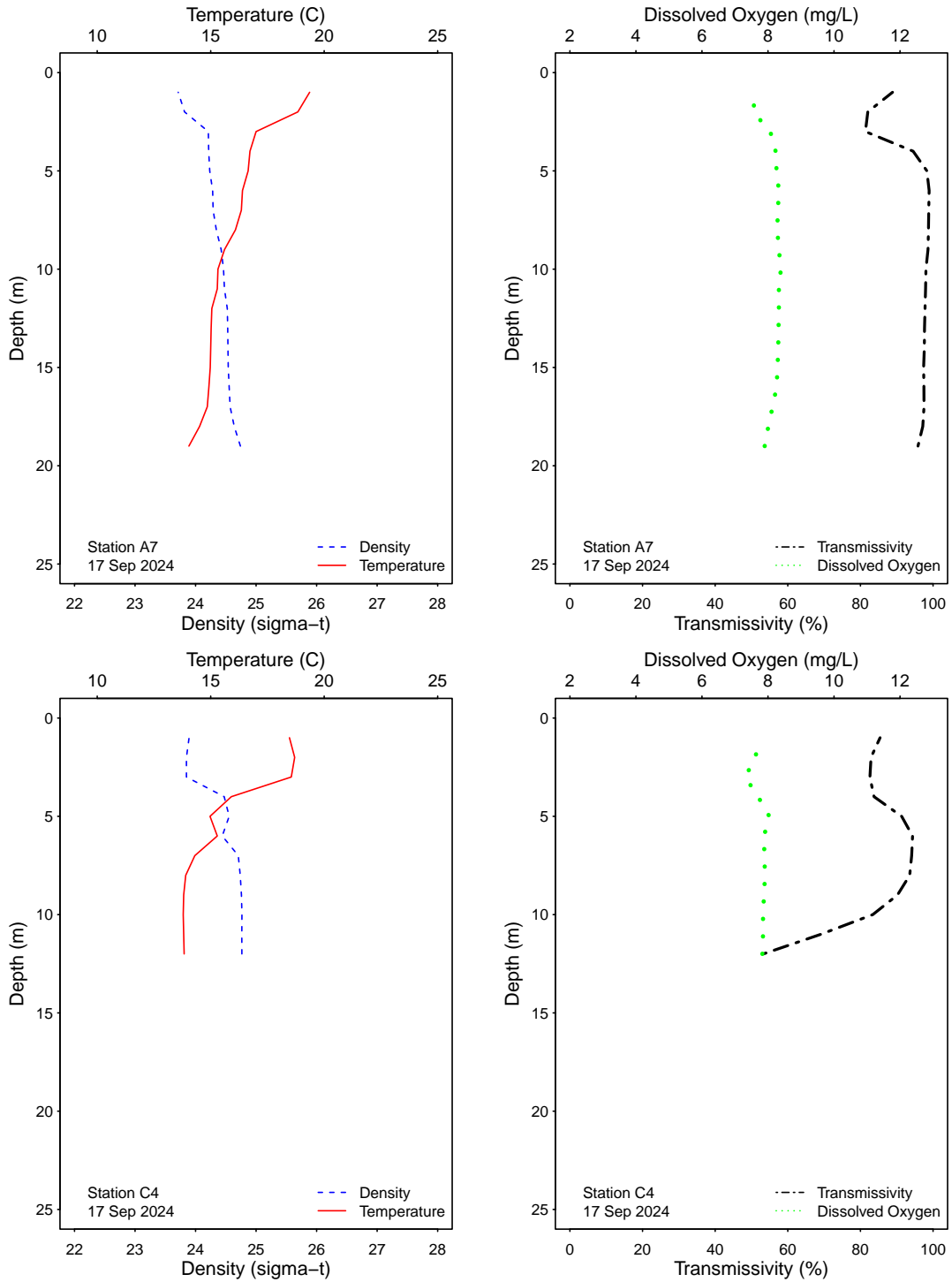


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

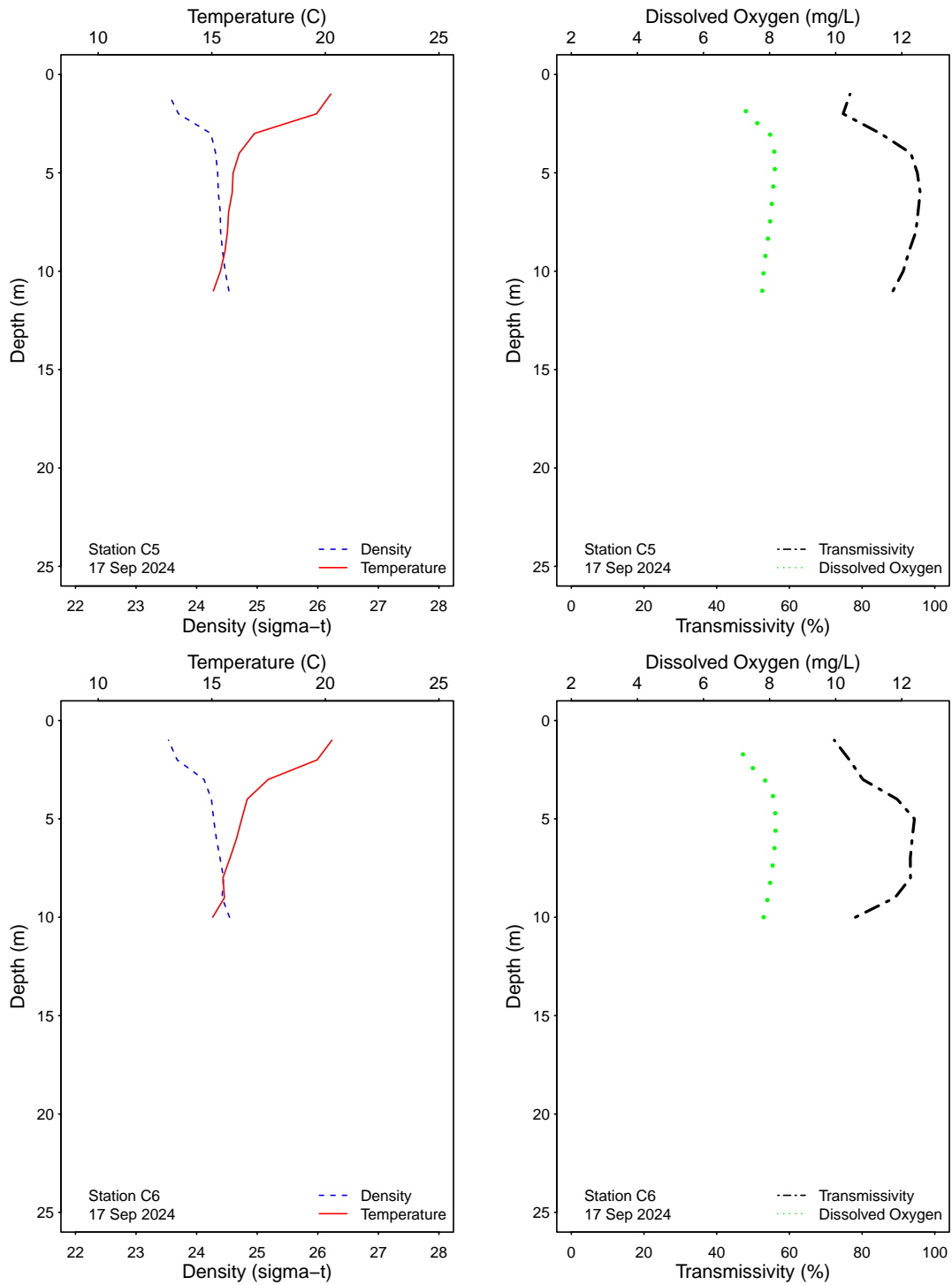


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

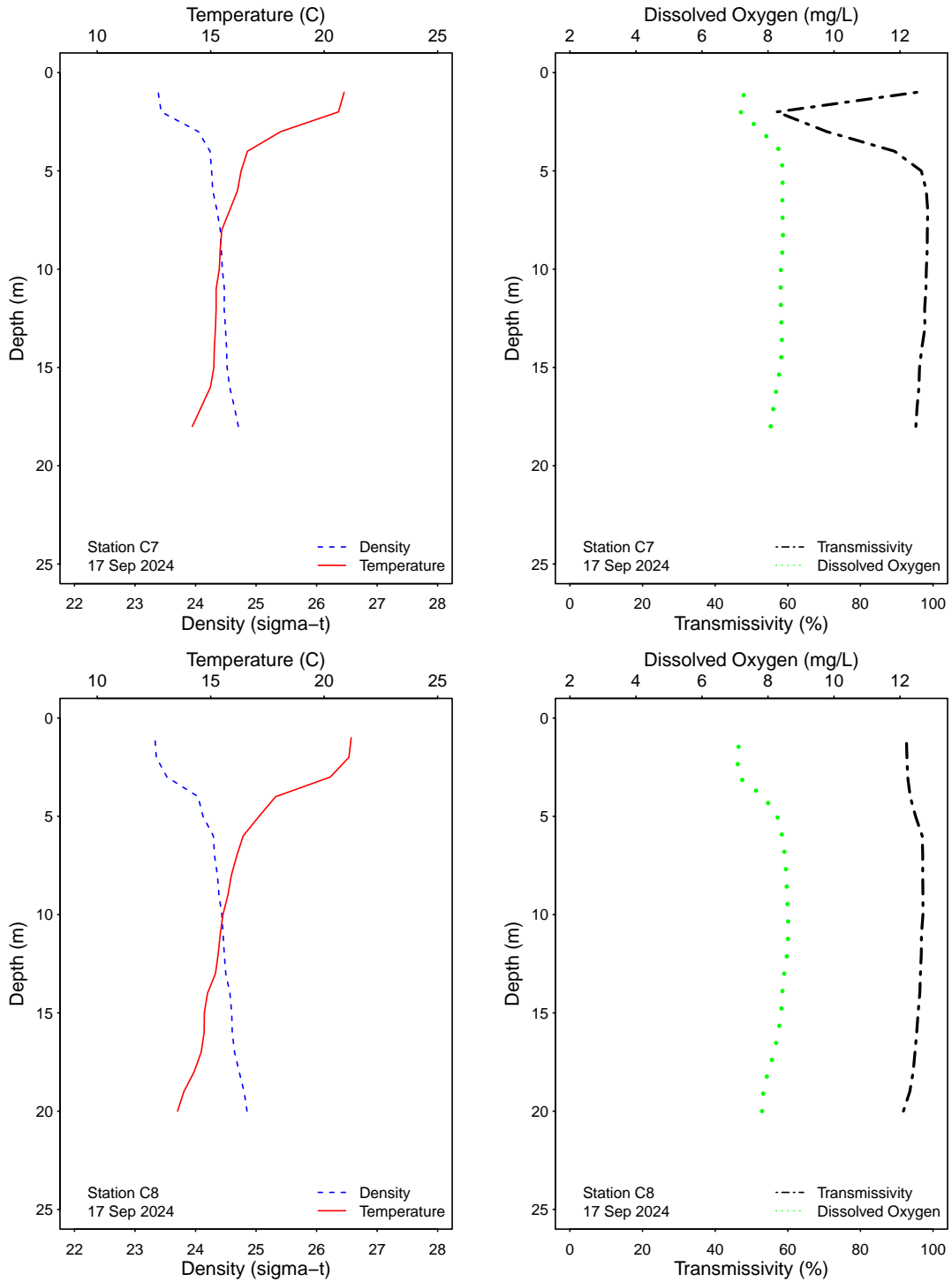


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

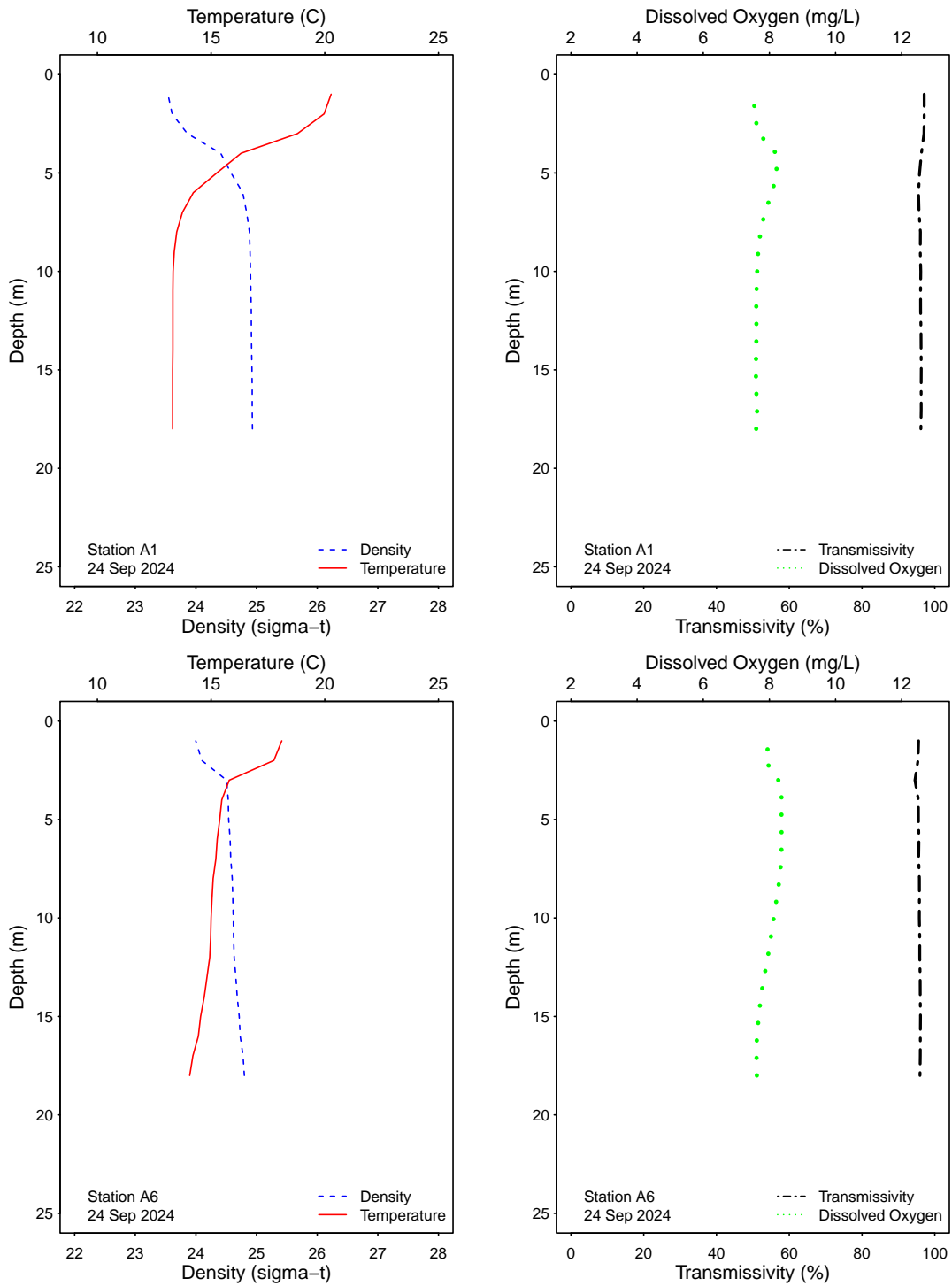


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

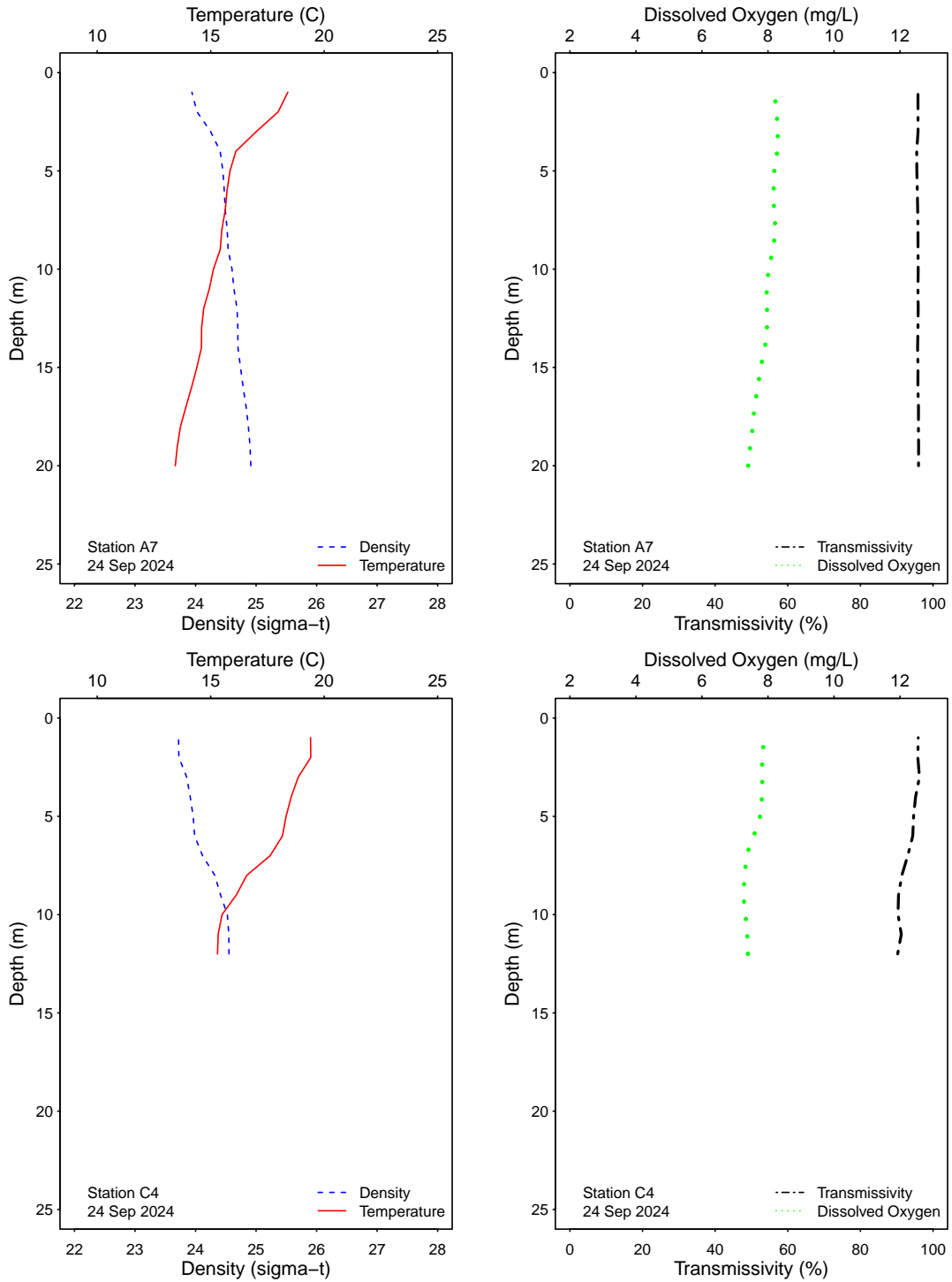


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

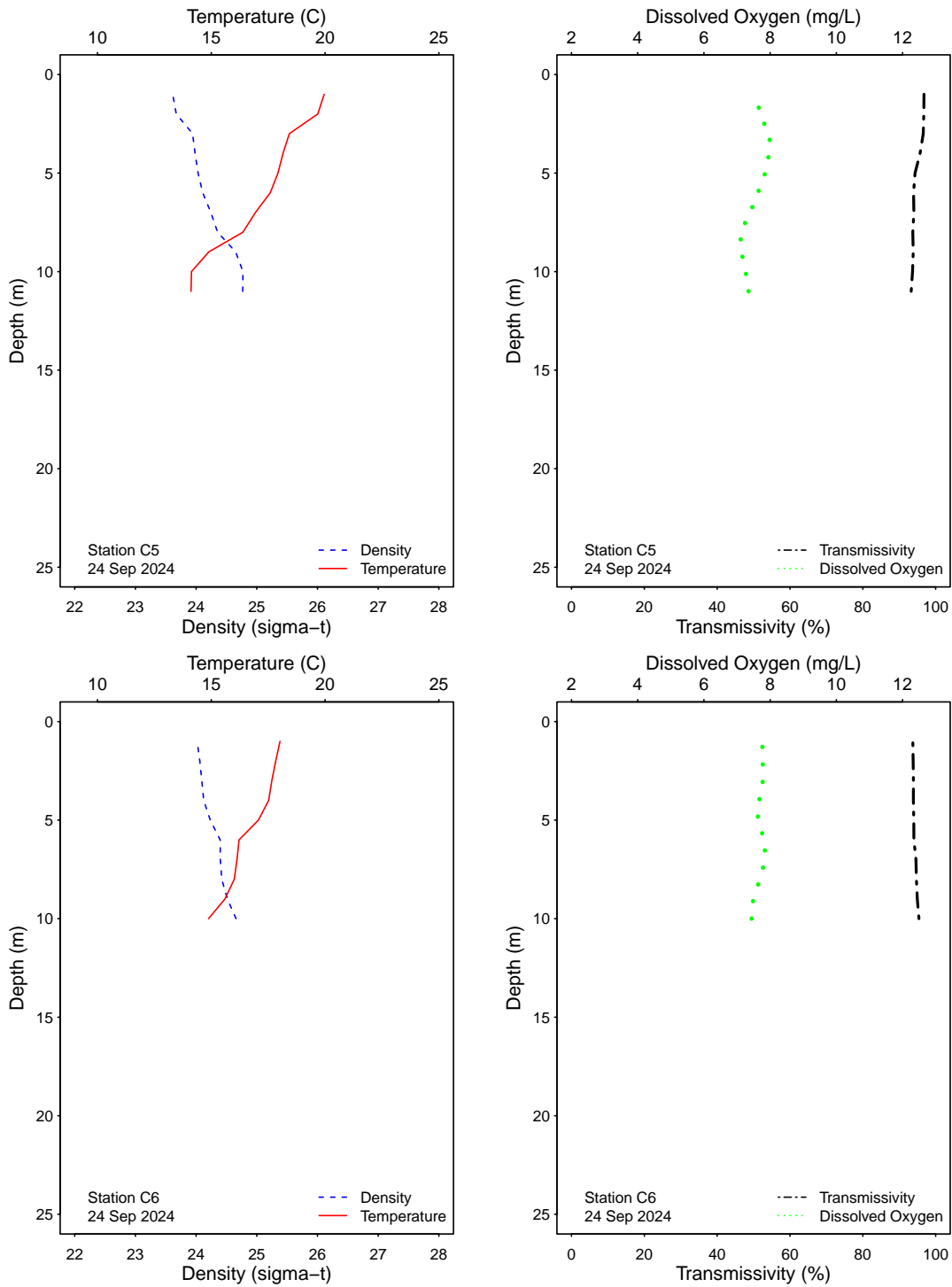


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

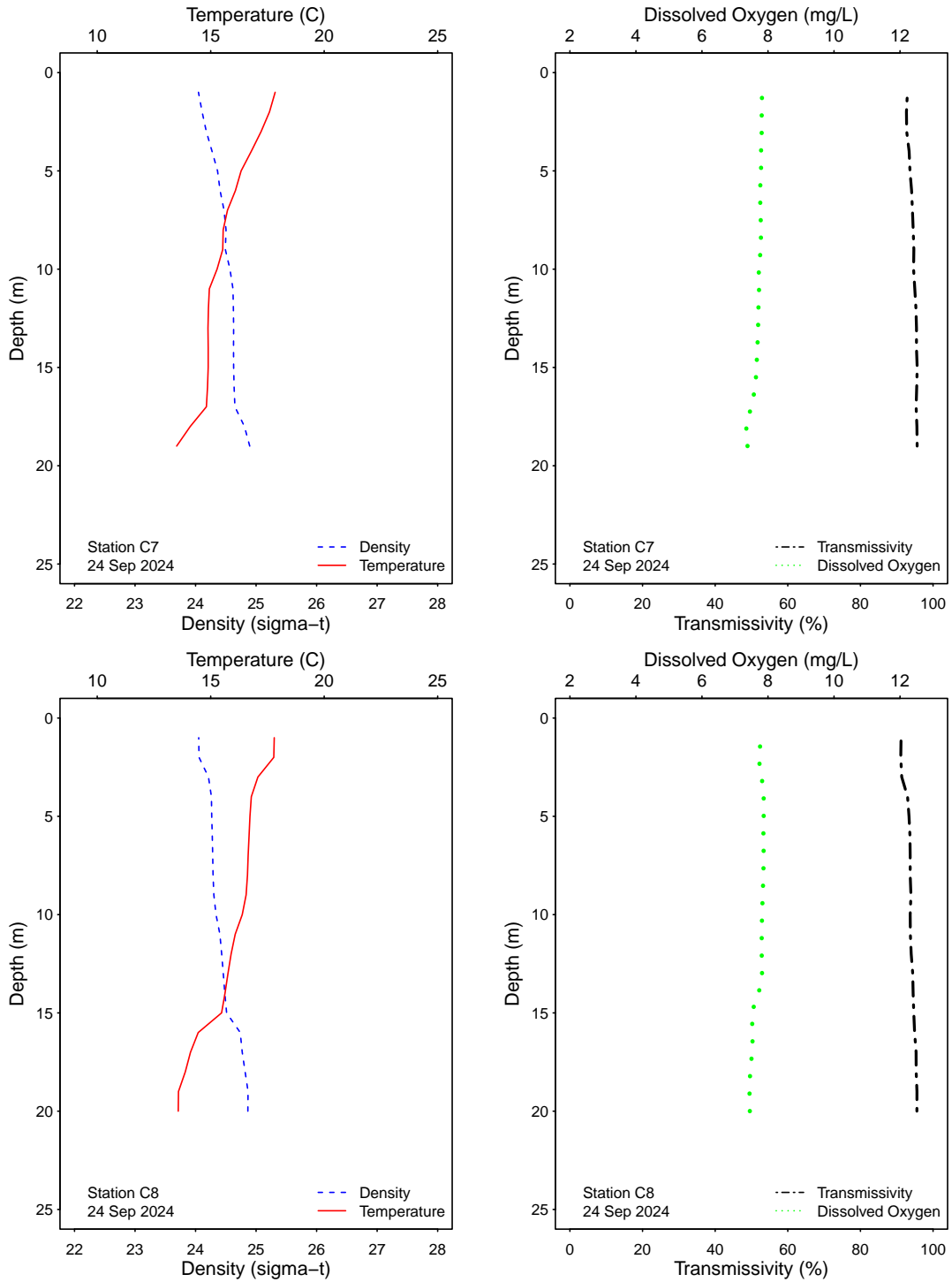


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

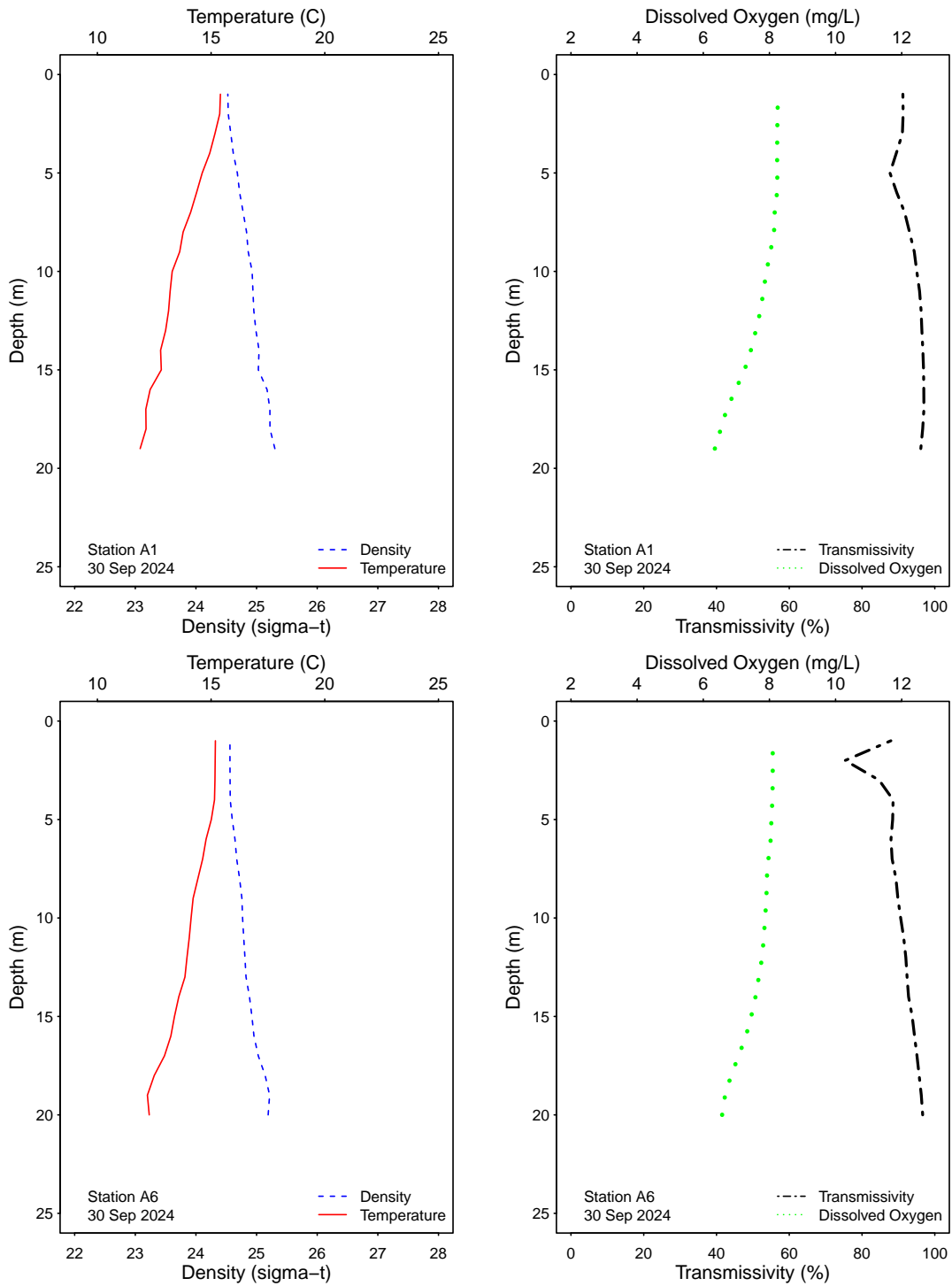


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

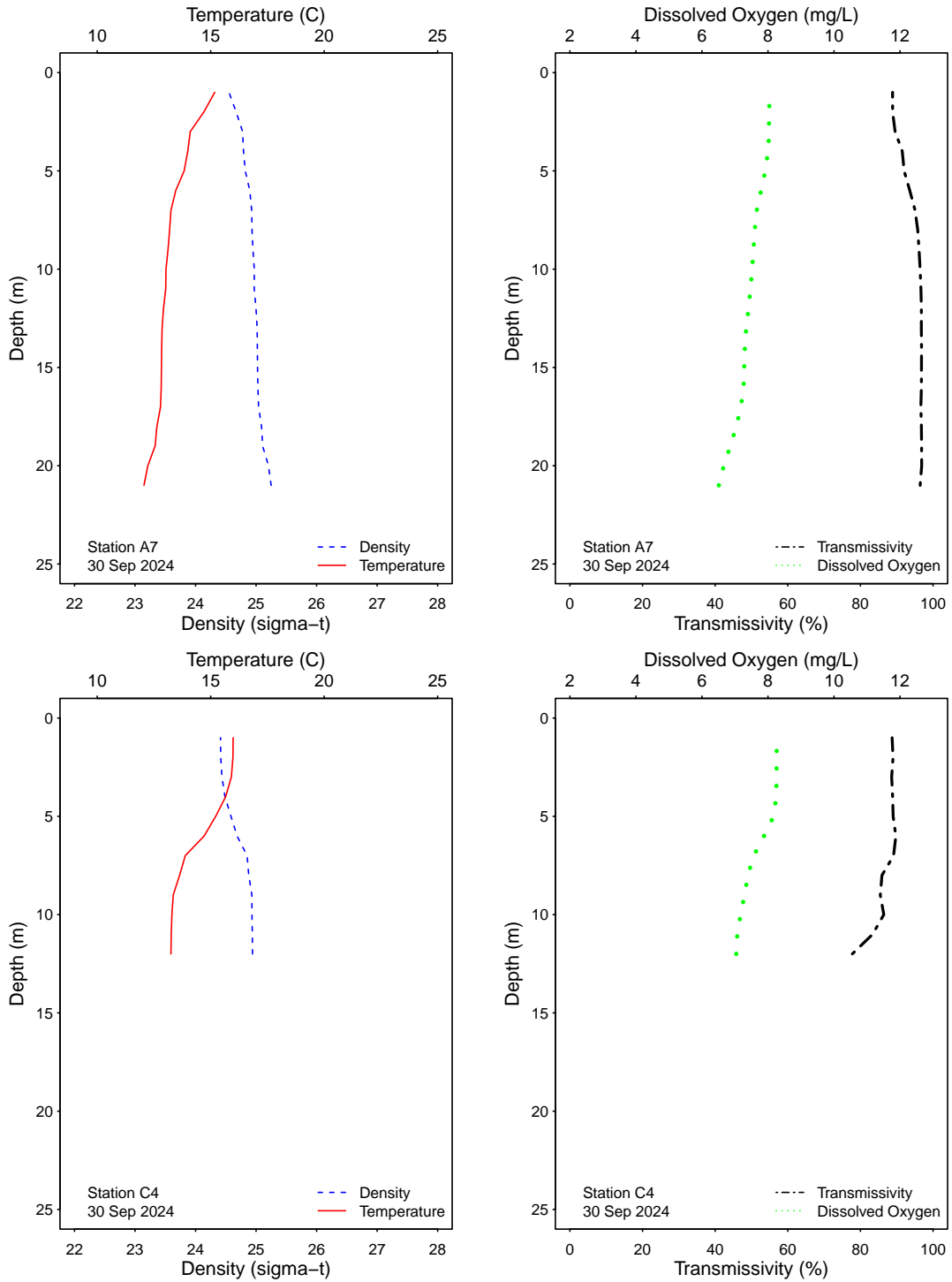


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

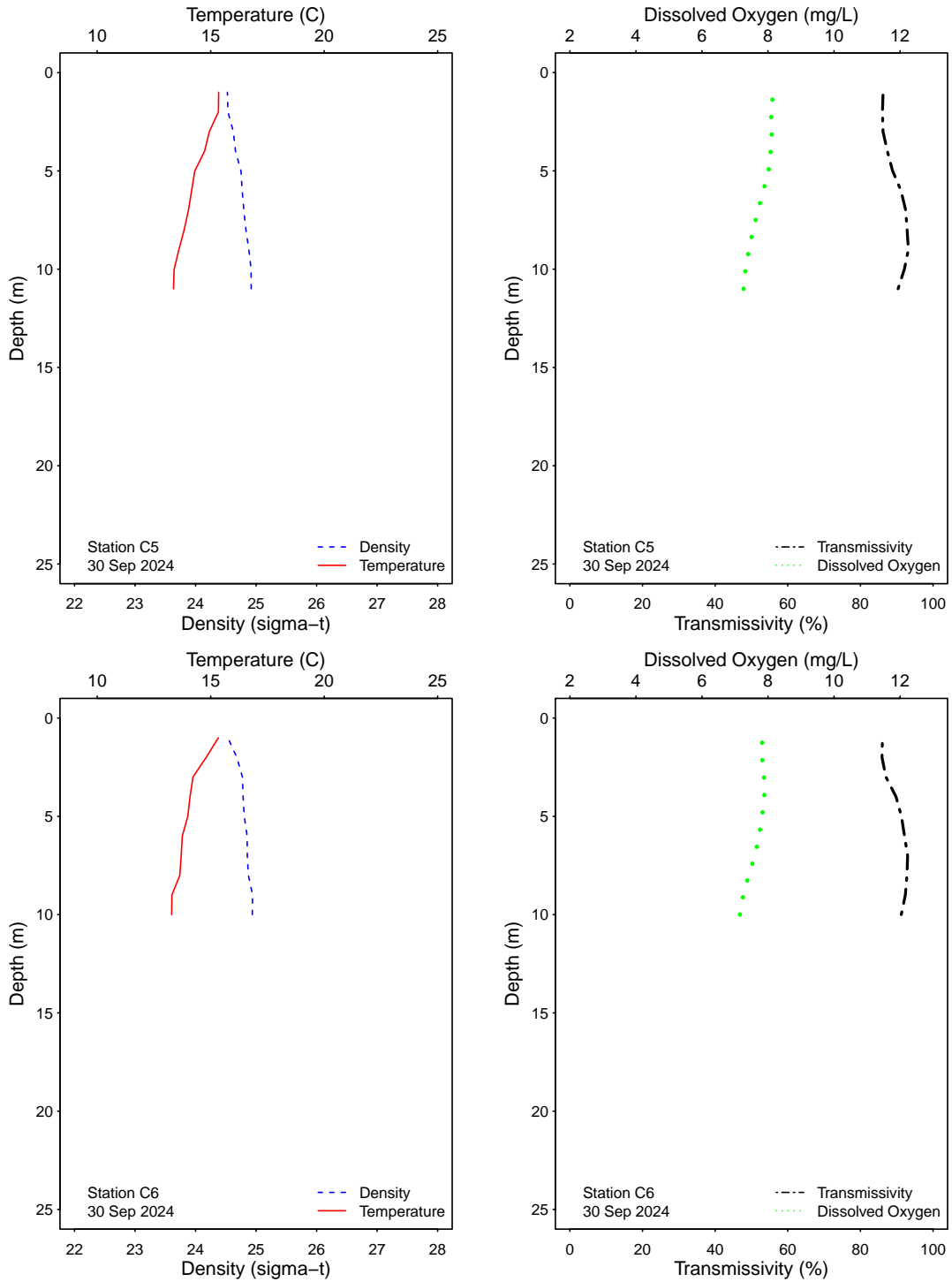


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

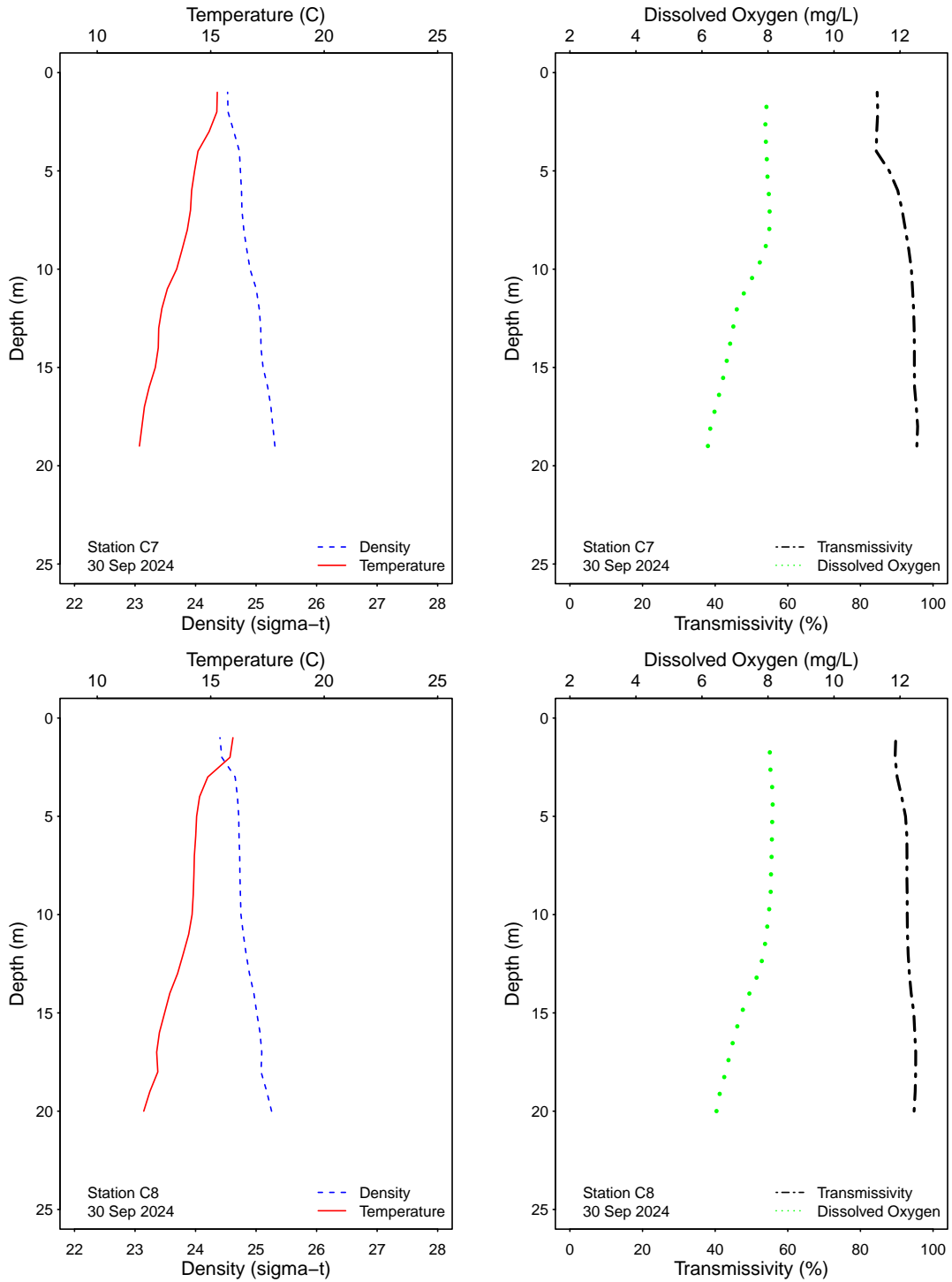


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

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APPENDIX A

Quality Assurance

Table A.1

Summary of bacteriological quality assurance field and lab duplicate sample analyses at selected PLOO 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
A7	03 Sep 2024	18	KT	LAB DUPLICATE	2	2	2
A7	10 Sep 2024	18	ADG	LAB DUPLICATE	2	2	2
A7	17 Sep 2024	18	KT	LAB DUPLICATE	20	2	2
A7	24 Sep 2024	18	KA	LAB DUPLICATE	2	2	2
A7	30 Sep 2024	18	KT	LAB DUPLICATE	30	2	2
C7	03 Sep 2024	18	KT	LAB DUPLICATE	2	2	2
C7	10 Sep 2024	18	ADG	LAB DUPLICATE	20	2	2
C7	17 Sep 2024	18	KT	LAB DUPLICATE	2	2	2
C7	24 Sep 2024	18	KA	LAB DUPLICATE	6	2	2
C7	30 Sep 2024	18	KT	LAB DUPLICATE	200	32	4
C8	03 Sep 2024	12	KT	LAB DUPLICATE	2	2	2
C8	10 Sep 2024	12	ADG	LAB DUPLICATE	2	2	2
C8	17 Sep 2024	12	KT	LAB DUPLICATE	4	2	2
C8	24 Sep 2024	12	KA	LAB DUPLICATE	2	2	2
C8	30 Sep 2024	12	KT	LAB DUPLICATE	2	2	2
D12	04 Sep 2024		KT	LAB DUPLICATE	240	60	2
D12	04 Sep 2024		KT	FIELD DUPLICATE	600	580	20
D12	11 Sep 2024		JF	FIELD DUPLICATE	20	2	2
D12	11 Sep 2024		JF	LAB DUPLICATE	200	2	2
D12	18 Sep 2024		ADG	LAB DUPLICATE	20	2	4
D12	18 Sep 2024		ADG	FIELD DUPLICATE	20	2	2
D12	26 Sep 2024		KA	FIELD DUPLICATE	20	2	4
D12	26 Sep 2024		ADG	LAB DUPLICATE	20	2	2

ns = not sampled

ND = no data

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APPENDIX B

New 2019 Ocean Plan
Water Quality Objectives

Shore Stations

Table B.1

Summary of compliance with the Ocean Plan’s 6-week Geometric Mean standard for *Enterococcus* at the PLOO 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	D4	D5	D7	D8-B	D9	D10	D11	D12
01 Sep 2024	2	2	2	3	2	2	13	4
02 Sep 2024	2	2	2	3	2	2	13	4
03 Sep 2024	2	2	2	3	2	2	13	4
04 Sep 2024	2	2	2	3	2	3	6	4
05 Sep 2024	2	2	2	3	2	3	6	4
06 Sep 2024	2	2	2	3	2	3	6	4
07 Sep 2024	2	2	2	3	2	3	6	4
08 Sep 2024	2	2	2	3	2	3	6	4
09 Sep 2024	2	2	2	3	2	3	6	4
10 Sep 2024	2	2	2	3	2	3	6	4
11 Sep 2024	2	2	2	3	2	3	5	3
12 Sep 2024	2	2	2	3	2	3	5	3
13 Sep 2024	2	2	2	3	2	3	5	3
14 Sep 2024	2	2	2	3	2	3	5	3
15 Sep 2024	2	2	2	3	2	3	5	3
16 Sep 2024	2	2	2	3	2	3	5	3
17 Sep 2024	2	2	2	3	2	3	5	3
18 Sep 2024	2	2	2	3	2	3	7	3
19 Sep 2024	2	2	2	3	2	3	7	3
20 Sep 2024	2	2	2	3	2	3	7	3
21 Sep 2024	2	2	2	3	2	3	7	3
22 Sep 2024	2	2	2	3	2	3	7	3
23 Sep 2024	2	2	2	3	2	3	7	3
24 Sep 2024	2	2	2	3	2	3	7	3
25 Sep 2024	2	2	2	3	2	4	7	4
26 Sep 2024	2	2	2	3	2	3	6	3
27 Sep 2024	2	2	2	3	2	3	6	3
28 Sep 2024	2	2	2	3	2	3	6	3
29 Sep 2024	2	2	2	3	2	3	6	3
30 Sep 2024	2	2	2	3	2	3	6	3

* Geometric mean calculated using n<5

Table B.2

Summary of compliance at the PLOO 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	D4	D5	D7	D8-B	D9	D10	D11	D12
September	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table B.3

Summary of compliance with the Ocean Plan’s 30-day Median standard for total coliform bacteria at the PLOO 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	D4	D5	D7	D8-B	D9	D10	D11	D12
01 Sep 2024	*130	*110	*200	*110	*60	*120	*40	*20
02 Sep 2024	*130	*110	*200	*110	*60	*120	*40	*20
03 Sep 2024	*130	*110	*200	*110	*60	*120	*40	*20
04 Sep 2024	200	200	200	200	80	200	60	20
05 Sep 2024	200	200	200	200	80	200	60	20
06 Sep 2024	*200	*200	*200	*200	*80	*200	*40	*20
07 Sep 2024	*200	*200	*200	*200	*80	*200	*40	*20
08 Sep 2024	*200	*200	*200	*200	*80	*200	*40	*20
09 Sep 2024	*200	*200	*200	*200	*80	*200	*40	*20
10 Sep 2024	*200	*200	*200	*200	*80	*200	*40	*20
11 Sep 2024	200	200	200	200	80	200	20	20
12 Sep 2024	200	200	200	200	80	200	20	20
13 Sep 2024	*200	*200	*200	*120	*60	*200	*40	*50
14 Sep 2024	*200	*200	*200	*120	*60	*200	*40	*50
15 Sep 2024	*200	*200	*200	*120	*60	*200	*40	*50
16 Sep 2024	*200	*200	*200	*120	*60	*200	*40	*50
17 Sep 2024	*200	*200	*200	*120	*60	*200	*40	*50
18 Sep 2024	200	200	200	200	40	200	20	20
19 Sep 2024	200	200	200	200	40	200	20	20
20 Sep 2024	*200	*200	*110	*120	*30	*150	*20	*50
21 Sep 2024	*200	*200	*110	*120	*30	*150	*20	*50
22 Sep 2024	*200	*200	*110	*120	*30	*150	*20	*50
23 Sep 2024	*200	*200	*110	*120	*30	*150	*20	*50
24 Sep 2024	*200	*200	*110	*120	*30	*150	*20	*50
25 Sep 2024	*200	*200	*110	*120	*30	*150	*20	*50
26 Sep 2024	200	200	20	60	20	100	20	20
27 Sep 2024	*200	*200	*20	*130	*20	*60	*30	*50
28 Sep 2024	*200	*200	*20	*130	*20	*60	*30	*50
29 Sep 2024	*200	*200	*20	*130	*20	*60	*30	*50
30 Sep 2024	*200	*200	*20	*130	*20	*60	*30	*50

* Median calculated using n<5

Table B.4

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

Date	D4	D5	D7	D8-B	D9	D10	D11	D12
September	IC	IC	IC	E	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Kelp Stations

Table B.5

Summary of compliance with the Ocean Plan's 6-week Geometric Mean standard for *Enterococcus* at the PLOO 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	A1	A6	A7	C4	C5	C6	C7	C8
01 Sep 2024	2	2	2	2	2	2	2	2
02 Sep 2024	2	2	2	2	2	2	2	2
03 Sep 2024	2	2	2	2	2	2	2	2
04 Sep 2024	2	2	2	2	2	2	2	2
05 Sep 2024	2	2	2	2	2	2	2	2
06 Sep 2024	2	2	2	2	2	2	2	2
07 Sep 2024	2	2	2	2	2	2	2	2
08 Sep 2024	2	2	2	2	2	2	2	2
09 Sep 2024	2	2	2	2	2	2	2	2
10 Sep 2024	2	2	2	2	2	2	2	2
11 Sep 2024	2	2	2	2	2	2	2	2
12 Sep 2024	2	2	2	2	2	2	2	2
13 Sep 2024	2	2	2	2	2	2	2	2
14 Sep 2024	2	2	2	2	2	2	2	2
15 Sep 2024	2	2	2	2	2	2	2	2
16 Sep 2024	2	2	2	2	2	2	2	2
17 Sep 2024	2	2	2	2	2	2	2	3
18 Sep 2024	2	2	2	2	2	2	2	3
19 Sep 2024	2	2	2	2	2	2	2	3
20 Sep 2024	2	2	2	2	2	2	2	3
21 Sep 2024	2	2	2	2	2	2	2	3
22 Sep 2024	2	2	2	2	2	2	2	3
23 Sep 2024	2	2	2	2	2	2	2	3
24 Sep 2024	2	2	2	2	2	2	2	3
25 Sep 2024	2	2	2	2	2	2	2	3
26 Sep 2024	2	2	2	2	2	2	2	3
27 Sep 2024	2	2	2	2	2	2	2	3
28 Sep 2024	2	2	2	2	2	2	2	3
29 Sep 2024	2	2	2	2	2	2	2	3
30 Sep 2024	2	2	2	2	2	2	2	2

* Geometric mean calculated using n<5

Table B.6

Summary of compliance at the PLOO 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	A1	A6	A7	C4	C5	C6	C7	C8
September	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table B.7

Summary of compliance with the Ocean Plan's 30-day Median¹¹ standard for total coliform bacteria at the PLOO 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	A1		A6		A7		C4		C5		C6			C7			C8		
	1m	18m	1m	18m	1m	18m	1m	3m	9m	1m	3m	9m	1m	12m	18m	1m	12m	18m	
01 Sep 2024	*3	*2	*2	*2	*2	*2	*2	*11	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2
02 Sep 2024	*3	*2	*2	*2	*2	*2	*11	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2
03 Sep 2024	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
04 Sep 2024	*12	*2	*2	*2	*2	*2	*2	*2	*3	*3	*2	*2	*3	*2	*2	*4	*2	*2	*2
05 Sep 2024	*12	*3	*2	*2	*2	*2	*2	*2	*3	*3	*2	*2	*3	*2	*2	*4	*2	*2	*2
06 Sep 2024	*12	*3	*2	*2	*2	*2	*2	*2	*3	*3	*2	*2	*3	*2	*2	*4	*2	*2	*2
07 Sep 2024	*12	*3	*2	*2	*2	*2	*2	*2	*3	*3	*2	*2	*3	*2	*2	*4	*2	*2	*2
08 Sep 2024	*12	*3	*2	*2	*2	*2	*2	*2	*3	*3	*2	*2	*3	*2	*2	*4	*2	*2	*2
09 Sep 2024	*12	*3	*2	*2	*2	*2	*2	*2	*3	*3	*2	*2	*3	*2	*2	*4	*2	*2	*2
10 Sep 2024	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
11 Sep 2024	*3	*2	*2	*2	*2	*2	*2	*2	*3	*3	*2	*2	*3	*2	*2	*2	*2	*2	*2
12 Sep 2024	*3	*2	*2	*2	*2	*2	*2	*2	*3	*3	*2	*2	*3	*2	*2	*2	*2	*2	*2
13 Sep 2024	*3	*2	*2	*2	*2	*2	*2	*2	*3	*3	*2	*2	*3	*2	*2	*2	*2	*2	*2
14 Sep 2024	*3	*2	*2	*2	*2	*2	*2	*2	*3	*3	*2	*2	*3	*2	*2	*2	*2	*2	*2
15 Sep 2024	*3	*2	*2	*2	*2	*2	*2	*2	*3	*3	*2	*2	*3	*2	*2	*2	*2	*2	*2
16 Sep 2024	*3	*2	*2	*2	*2	*2	*2	*2	*3	*3	*2	*2	*3	*2	*2	*2	*2	*2	*2
17 Sep 2024	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18 Sep 2024	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19 Sep 2024	*3	*2	*2	*2	*2	*2	*2	*2	*3	*3	*2	*2	*3	*2	*4	*17	*2	*2	*2
20 Sep 2024	*3	*2	*2	*2	*2	*2	*2	*2	*3	*3	*2	*2	*3	*2	*4	*17	*2	*2	*2
21 Sep 2024	*3	*2	*2	*2	*2	*2	*2	*2	*3	*3	*2	*2	*3	*2	*4	*17	*2	*2	*2
22 Sep 2024	*3	*2	*2	*2	*2	*2	*2	*2	*3	*3	*2	*2	*3	*2	*4	*17	*2	*2	*2
23 Sep 2024	*3	*2	*2	*2	*2	*2	*2	*2	*3	*3	*2	*2	*3	*2	*4	*17	*2	*2	*2
24 Sep 2024	2	2	2	2	2	2	2	2	4	4	2	2	4	2	4	2	2	2	2
25 Sep 2024	2	2	2	2	2	2	2	2	4	4	2	2	4	2	4	2	2	2	2
26 Sep 2024	*2	*2	*2	*4	*2	*2	*2	*2	*3	*3	*2	*2	*7	*2	*6	*16	*2	*2	*2
27 Sep 2024	*2	*2	*2	*4	*2	*2	*2	*2	*3	*3	*2	*2	*7	*2	*6	*16	*2	*2	*2
28 Sep 2024	*2	*2	*2	*4	*2	*2	*2	*2	*3	*3	*2	*2	*7	*2	*6	*16	*2	*2	*2
29 Sep 2024	*2	*2	*2	*4	*2	*2	*2	*2	*3	*3	*2	*2	*7	*2	*6	*16	*2	*2	*2
30 Sep 2024	2	2	2	6	2	2	2	2	2	2	2	2	10	2	20	2	2	2	2

* Median calculated using n<5

Table B.8

Summary of compliance at the PLOO 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

Date	A1			A6			A7			C4			C5			C6			C7			C8		
	1m	12m	18m	1m	12m	18m	1m	12m	18m	1m	3m	9m	1m	3m	9m	1m	3m	9m	1m	12m	18m	1m	12m	18m
September	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 = In Compliance
 E = Exceedance
 ns = not sampled
 ND = no data