

POINT LOMA OCEAN OUTFALL MONTHLY RECEIVING WATERS MONITORING REPORT

POINT LOMA WASTEWATER TREATMENT PLANT

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

DECEMBER 2025

Environmental Monitoring and Technical Services
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January 31, 2026

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 December 2025 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:

- Over the past several years, due to increasing instability in some cliffside areas of Point Loma, City staff have periodically been unable to safely access and sample some stations. As a result, the after consultation with and approval by the Regional Board, the sampling location has varied between D8, D8-A and D8-B. Access to site D8 was recently restored and sampling at D8 resumed in March 2025.

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, chromomorphic 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

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.

Single Sample Maximums:

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

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, D9, D10, D11, D12) were sampled on December 3, 10, 18, 22, and 30.
- During the December 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 detected at stations D8 and D9 on one or more days in December.
- 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 December 2, 8, 15, 23, and 29.
- During the December reporting period, each of the eight kelp stations was in compliance with the various 2015 California Ocean Plan (Ocean Plan) water contact standards.

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

- Water column temperatures ranged from 13.77 to 17.31°C. The difference between surface and bottom waters ranged from 0.02 to 3.44°C.
- Chlorophyll *a* concentrations ranged from 0.32 to 4.37 µg/L.
- Nothing of sewage origin was observed at PLOO kelp stations in December.

Offshore Stations

- Quarterly water quality sampling was not conducted during December at the offshore stations. The next quarterly sampling is scheduled for February 2026.



TABLES AND FIGURES

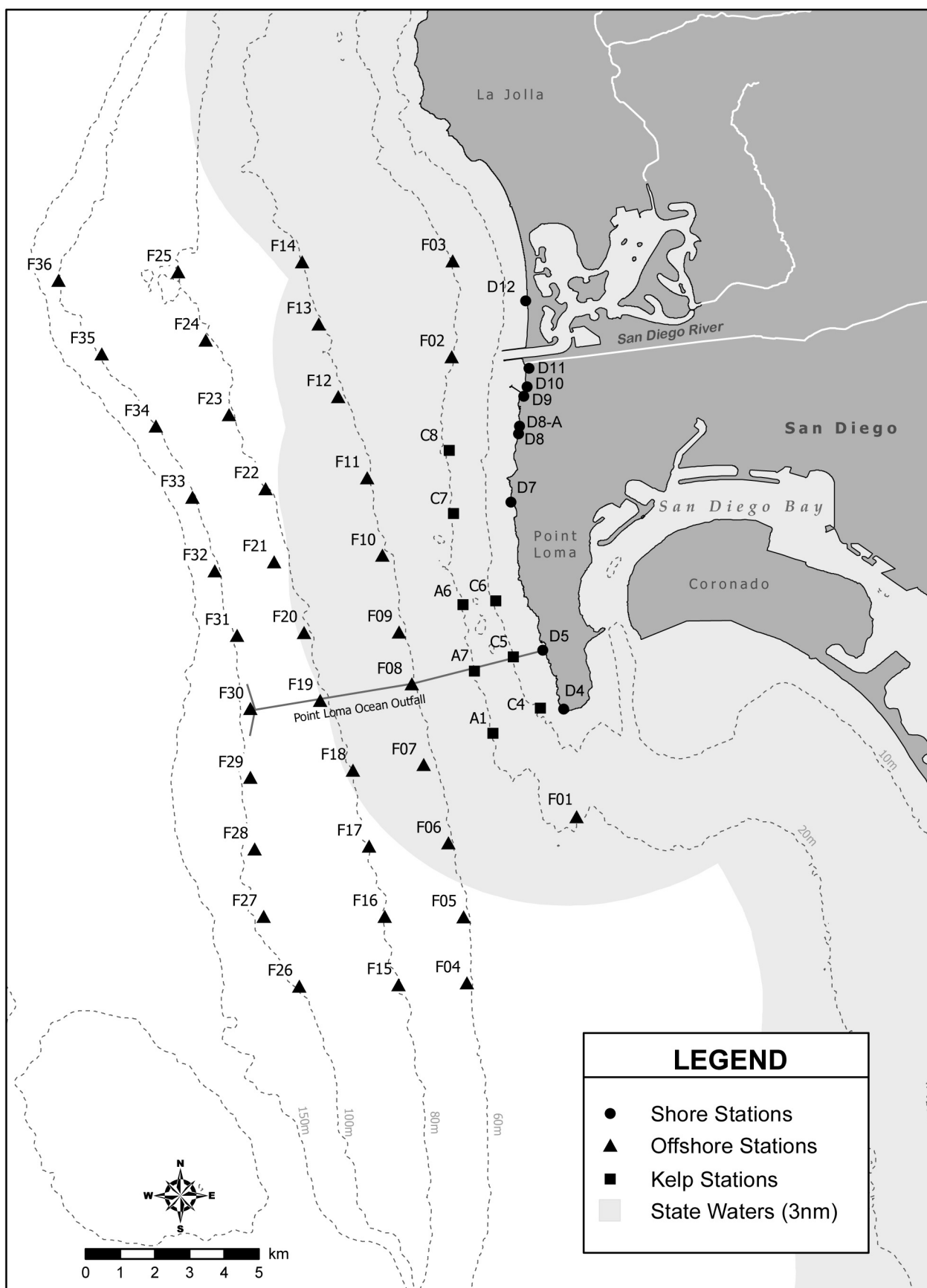


Figure 1.1 Station Map

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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	D9	D10	D11	D12
01 Dec 2025	*2	*2	*2	*7	*4	*5	*4	*9
02 Dec 2025	*2	*2	*2	*7	*4	*5	*4	*9
03 Dec 2025	2	4	2	8	5	11	7	8
04 Dec 2025	2	4	2	8	5	11	7	8
05 Dec 2025	*2	*4	*2	*8	*7	*12	*9	*9
06 Dec 2025	*2	*4	*2	*8	*7	*12	*9	*9
07 Dec 2025	*2	*4	*2	*8	*7	*12	*9	*9
08 Dec 2025	*2	*4	*2	*8	*7	*12	*9	*9
09 Dec 2025	*2	*4	*2	*8	*7	*12	*9	*9
10 Dec 2025	2	4	2	7	5	16	7	11
11 Dec 2025	2	4	2	7	5	16	7	11
12 Dec 2025	2	4	2	7	5	16	7	11
13 Dec 2025	*2	*4	*2	*9	*7	*26	*10	*12
14 Dec 2025	*2	*4	*2	*9	*7	*26	*10	*12
15 Dec 2025	*2	*4	*2	*9	*7	*26	*10	*12
16 Dec 2025	*2	*4	*2	*9	*7	*26	*10	*12
17 Dec 2025	*2	*4	*2	*9	*7	*26	*10	*12
18 Dec 2025	2	6	2	7	5	20	13	8
19 Dec 2025	*2	*6	*2	*6	*4	*18	*12	*6
20 Dec 2025	*2	*6	*2	*6	*4	*18	*12	*6
21 Dec 2025	*2	*6	*2	*6	*4	*18	*12	*6
22 Dec 2025	2	5	2	10	4	16	10	7
23 Dec 2025	2	5	2	10	4	16	10	7
24 Dec 2025	*3	*6	*3	*9	*4	*27	*16	*9
25 Dec 2025	*3	*6	*3	*9	*4	*27	*16	*9
26 Dec 2025	*3	*6	*3	*9	*4	*27	*16	*9
27 Dec 2025	*3	*6	*3	*9	*4	*27	*16	*9
28 Dec 2025	*3	*6	*3	*9	*4	*27	*16	*9
29 Dec 2025	*3	*6	*3	*9	*4	*27	*16	*9
30 Dec 2025	3	5	4	8	3	20	10	6
31 Dec 2025	3	5	4	8	3	20	10	6

* 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	D9	D10	D11	D12
03 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
10 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
18 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
22 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
30 Dec 2025	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	D9	D10	D11	D12
01 Dec 2025	*2	*2	*2	*11	*3	*4	*5	*6
02 Dec 2025	*2	*2	*2	*11	*3	*4	*5	*6
03 Dec 2025	2	3	3	16	5	7	8	6
04 Dec 2025	2	3	3	16	5	7	8	6
05 Dec 2025	*2	*4	*3	*16	*6	*9	*9	*5
06 Dec 2025	*2	*4	*3	*16	*6	*9	*9	*5
07 Dec 2025	*2	*4	*3	*16	*6	*9	*9	*5
08 Dec 2025	*2	*4	*3	*16	*6	*9	*9	*5
09 Dec 2025	*2	*4	*3	*16	*6	*9	*9	*5
10 Dec 2025	2	3	3	10	5	8	7	4
11 Dec 2025	2	3	3	10	5	8	7	4
12 Dec 2025	2	3	3	10	5	8	7	4
13 Dec 2025	*2	*4	*3	*16	*6	*11	*9	*5
14 Dec 2025	*2	*4	*3	*16	*6	*11	*9	*5
15 Dec 2025	*2	*4	*3	*16	*6	*11	*9	*5
16 Dec 2025	*2	*4	*3	*16	*6	*11	*9	*5
17 Dec 2025	*2	*4	*3	*16	*6	*11	*9	*5
18 Dec 2025	2	4	3	19	5	9	14	5
19 Dec 2025	*2	*5	*3	*17	*4	*7	*15	*3
20 Dec 2025	*2	*5	*3	*17	*4	*7	*15	*3
21 Dec 2025	*2	*5	*3	*17	*4	*7	*15	*3
22 Dec 2025	3	4	3	14	4	5	10	3
23 Dec 2025	3	4	3	14	4	5	10	3
24 Dec 2025	*4	*5	*3	*14	*5	*7	*11	*3
25 Dec 2025	*4	*5	*3	*14	*5	*7	*11	*3
26 Dec 2025	*4	*5	*3	*14	*5	*7	*11	*3
27 Dec 2025	*4	*5	*3	*14	*5	*7	*11	*3
28 Dec 2025	*4	*5	*3	*14	*5	*7	*11	*3
29 Dec 2025	*4	*5	*3	*14	*5	*7	*11	*3
30 Dec 2025	4	4	3	16	4	5	8	4
31 Dec 2025	4	4	3	16	4	5	8	4

* 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	D9	D10	D11	D12
03 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
10 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
18 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
22 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
30 Dec 2025	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	D9	D10	D11	D12
01 Dec 2025	*11	*36	*9	*34	*28	*39	*20	*16
02 Dec 2025	*11	*36	*9	*34	*28	*39	*20	*16
03 Dec 2025	13	69	11	60	43	65	34	17
04 Dec 2025	13	69	11	60	43	65	34	17
05 Dec 2025	*11	*95	*13	*66	*57	*73	*39	*16
06 Dec 2025	*11	*95	*13	*66	*57	*73	*39	*16
07 Dec 2025	*11	*95	*13	*66	*57	*73	*39	*16
08 Dec 2025	*11	*95	*13	*66	*57	*73	*39	*16
09 Dec 2025	*11	*95	*13	*66	*57	*73	*39	*16
10 Dec 2025	8	44	9	41	33	87	33	17
11 Dec 2025	8	44	9	41	33	87	33	17
12 Dec 2025	8	44	9	41	33	87	33	17
13 Dec 2025	*11	*53	*13	*49	*39	*138	*45	*20
14 Dec 2025	*11	*53	*13	*49	*39	*138	*45	*20
15 Dec 2025	*11	*53	*13	*49	*39	*138	*45	*20
16 Dec 2025	*11	*53	*13	*49	*39	*138	*45	*20
17 Dec 2025	*11	*53	*13	*49	*39	*138	*45	*20
18 Dec 2025	13	69	14	41	39	94	44	14
19 Dec 2025	*11	*53	*11	*35	*35	*77	*45	*8
20 Dec 2025	*11	*53	*11	*35	*35	*77	*45	*8
21 Dec 2025	*11	*53	*11	*35	*35	*77	*45	*8
22 Dec 2025	13	44	11	44	31	59	34	11
23 Dec 2025	13	44	11	44	31	59	34	11
24 Dec 2025	*11	*53	*9	*54	*30	*77	*39	*16
25 Dec 2025	*11	*53	*9	*54	*30	*77	*39	*16
26 Dec 2025	*11	*53	*9	*54	*30	*77	*39	*16
27 Dec 2025	*11	*53	*9	*54	*30	*77	*39	*16
28 Dec 2025	*11	*53	*9	*54	*30	*77	*39	*16
29 Dec 2025	*11	*53	*9	*54	*30	*77	*39	*16
30 Dec 2025	9	28	10	86	25	58	32	17
31 Dec 2025	9	28	10	86	25	58	32	17

* 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	D9	D10	D11	D12
03 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
10 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
18 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
22 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
30 Dec 2025	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	D9	D10	D11	D12
03 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
10 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
18 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
22 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
30 Dec 2025	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	03 Dec 2025	846	500	220e	66
D10	10 Dec 2025	844	180e	42	4e
D10	18 Dec 2025	942	20e	6e	4e
D10	22 Dec 2025	926	20e	10e	2e
D10	30 Dec 2025	850	18e	6e	2e
D11	03 Dec 2025	826	280e	80e	54
D11	10 Dec 2025	829	18e	4e	<2
D11	18 Dec 2025	930	40e	32e	80e
D11	22 Dec 2025	915	12e	6e	2e
D11	30 Dec 2025	839	14e	2e	<2
D12	03 Dec 2025	807	20e	6e	8e
D12	10 Dec 2025	801	24e	24e	2e
D12	18 Dec 2025	913	4e	<2	4e
D12	22 Dec 2025	848	36e	20e	2e
D12	30 Dec 2025	821	20e	2e	10e
D4	03 Dec 2025	1048	<20	<2	<2
D4	10 Dec 2025	1050	2e	<2	2e
D4	18 Dec 2025	1104	<20	<2	4e
D4	22 Dec 2025	1051	20e	6e	12e
D4	30 Dec 2025	1045	4e	6e	6e
D5	03 Dec 2025	1010	1000e	20e	20e
D5	10 Dec 2025	1004	2e	2e	<2
D5	18 Dec 2025	1053	<200	<20	8e
D5	22 Dec 2025	1039	20e	<2	<2
D5	30 Dec 2025	1058	2e	<2	<2
D7	03 Dec 2025	944	20e	2e	8e
D7	10 Dec 2025	929	<2	<2	<2
D7	18 Dec 2025	1027	<20	<2	<2
D7	22 Dec 2025	1002	8e	6e	<2
D7	30 Dec 2025	942	18e	18e	<2
D8	03 Dec 2025	926	600e	14e	80e
D8	10 Dec 2025	914	6e	4e	<2
D8	18 Dec 2025	1008	<20	<2	42
D8	22 Dec 2025	949	120e	60	6e
D8	30 Dec 2025	927	540	6e	30e
D9	03 Dec 2025	907	240e	20e	32e
D9	10 Dec 2025	856	4e	<2	<2
D9	18 Dec 2025	954	40e	2e	<2
D9	22 Dec 2025	938	20e	<2	6e
D9	30 Dec 2025	915	12e	<2	2e

ns = not sampled

ND = no data

Table 2.9

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

Station	Date	Parameter	Value
D4	03 Dec 2025	Arrive Time	1048
D4	03 Dec 2025	Wind Speed (kts)	1.1
D4	03 Dec 2025	Wind Dir	W
D4	03 Dec 2025	Animal Life	
D4	03 Dec 2025	Floatables	
D4	03 Dec 2025	Current Direction	S
D4	03 Dec 2025	Water Temp (C)	15.1
D4	03 Dec 2025	High Tide Time	649
D4	03 Dec 2025	Low Tide Time	32
D4	03 Dec 2025	Comments	Water clear; Surfer/Paddle boarder-5; Trash-3; Kelp;Sea-grass;Algae
D4	10 Dec 2025	Arrive Time	1050
D4	10 Dec 2025	Wind Speed (kts)	1.5
D4	10 Dec 2025	Wind Dir	SW
D4	10 Dec 2025	Animal Life	
D4	10 Dec 2025	Floatables	
D4	10 Dec 2025	Current Direction	S
D4	10 Dec 2025	Water Temp (C)	15.8
D4	10 Dec 2025	High Tide Time	206
D4	10 Dec 2025	Low Tide Time	711
D4	10 Dec 2025	Comments	Water clear; Trash-3; Kelp;Seagrass;Algae;Debris
D4	18 Dec 2025	Arrive Time	1053
D4	18 Dec 2025	Wind Speed (kts)	2.9
D4	18 Dec 2025	Wind Dir	W
D4	18 Dec 2025	Animal Life	
D4	18 Dec 2025	Floatables	
D4	18 Dec 2025	Current Direction	S
D4	18 Dec 2025	Water Temp (C)	16
D4	18 Dec 2025	High Tide Time	714
D4	18 Dec 2025	Low Tide Time	57
D4	18 Dec 2025	Comments	Water clear; Surfer/Paddle boarder-5; Boater/Kayaker-5; Trash-2; Kelp;Seagrass;Algae
D4	22 Dec 2025	Arrive Time	1051
D4	22 Dec 2025	Wind Speed (kts)	4.6
D4	22 Dec 2025	Wind Dir	W
D4	22 Dec 2025	Animal Life	
D4	22 Dec 2025	Floatables	
D4	22 Dec 2025	Current Direction	S
D4	22 Dec 2025	Water Temp (C)	16.8
D4	22 Dec 2025	High Tide Time	921
D4	22 Dec 2025	Low Tide Time	313
D4	22 Dec 2025	Comments	Water clear; Trash-3; Kelp;Seagrass;Debris;Algae
D4	30 Dec 2025	Arrive Time	1045
D4	30 Dec 2025	Wind Speed (kts)	2.5
D4	30 Dec 2025	Wind Dir	NW
D4	30 Dec 2025	Animal Life	
D4	30 Dec 2025	Floatables	
D4	30 Dec 2025	Current Direction	NW
D4	30 Dec 2025	Water Temp (C)	15.9
D4	30 Dec 2025	High Tide Time	458
D4	30 Dec 2025	Low Tide Time	1231
D4	30 Dec 2025	Comments	Water clear; Trash-2; Kelp;Seagrass;Algae

Station	Date	Parameter	Value
D5	03 Dec 2025	Arrive Time	1010
D5	03 Dec 2025	Wind Speed (kts)	0.7
D5	03 Dec 2025	Wind Dir	NW
D5	03 Dec 2025	Animal Life	
D5	03 Dec 2025	Floatables	
D5	03 Dec 2025	Current Direction	S
D5	03 Dec 2025	Water Temp (C)	16
D5	03 Dec 2025	High Tide Time	649
D5	03 Dec 2025	Low Tide Time	32
D5	03 Dec 2025	Comments	Water clear; Trash-3; Kelp;Seagrass;Algae
D5	10 Dec 2025	Arrive Time	1004
D5	10 Dec 2025	Wind Speed (kts)	0
D5	10 Dec 2025	Wind Dir	XX
D5	10 Dec 2025	Animal Life	
D5	10 Dec 2025	Floatables	
D5	10 Dec 2025	Current Direction	S
D5	10 Dec 2025	Water Temp (C)	14.8
D5	10 Dec 2025	High Tide Time	206
D5	10 Dec 2025	Low Tide Time	711
D5	10 Dec 2025	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae
D5	18 Dec 2025	Arrive Time	1104
D5	18 Dec 2025	Wind Speed (kts)	4.9
D5	18 Dec 2025	Wind Dir	W
D5	18 Dec 2025	Animal Life	
D5	18 Dec 2025	Floatables	
D5	18 Dec 2025	Current Direction	S
D5	18 Dec 2025	Water Temp (C)	15.8
D5	18 Dec 2025	High Tide Time	714
D5	18 Dec 2025	Low Tide Time	57
D5	18 Dec 2025	Comments	Water clear; Trash-3; Kelp;Seagrass;Algae
D5	22 Dec 2025	Arrive Time	1039
D5	22 Dec 2025	Wind Speed (kts)	4
D5	22 Dec 2025	Wind Dir	W
D5	22 Dec 2025	Animal Life	
D5	22 Dec 2025	Floatables	
D5	22 Dec 2025	Current Direction	S
D5	22 Dec 2025	Water Temp (C)	16.5
D5	22 Dec 2025	High Tide Time	921
D5	22 Dec 2025	Low Tide Time	313
D5	22 Dec 2025	Comments	Water clear; Trash-1; Kelp
D5	30 Dec 2025	Arrive Time	1058
D5	30 Dec 2025	Wind Speed (kts)	0
D5	30 Dec 2025	Wind Dir	XX
D5	30 Dec 2025	Animal Life	
D5	30 Dec 2025	Floatables	
D5	30 Dec 2025	Current Direction	S
D5	30 Dec 2025	Water Temp (C)	16.1
D5	30 Dec 2025	High Tide Time	458
D5	30 Dec 2025	Low Tide Time	1231
D5	30 Dec 2025	Comments	Water clear; Trash-3; Kelp;Seagrass;Algae
D7	03 Dec 2025	Arrive Time	944
D7	03 Dec 2025	Wind Speed (kts)	1.1
D7	03 Dec 2025	Wind Dir	W
D7	03 Dec 2025	Animal Life	
D7	03 Dec 2025	Floatables	

Station	Date	Parameter	Value
D7	03 Dec 2025	Current Direction	S
D7	03 Dec 2025	Water Temp (C)	15.5
D7	03 Dec 2025	High Tide Time	649
D7	03 Dec 2025	Low Tide Time	32
D7	03 Dec 2025	Comments	Water clear; Surfer/Paddle boarder-9; Trash-1; Kelp;Sea-grass;Algae
D7	10 Dec 2025	Arrive Time	929
D7	10 Dec 2025	Wind Speed (kts)	0
D7	10 Dec 2025	Wind Dir	XX
D7	10 Dec 2025	Animal Life	
D7	10 Dec 2025	Floatables	
D7	10 Dec 2025	Current Direction	S
D7	10 Dec 2025	Water Temp (C)	14.8
D7	10 Dec 2025	High Tide Time	206
D7	10 Dec 2025	Low Tide Time	711
D7	10 Dec 2025	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae;Debris
D7	18 Dec 2025	Arrive Time	1027
D7	18 Dec 2025	Wind Speed (kts)	2
D7	18 Dec 2025	Wind Dir	NW
D7	18 Dec 2025	Animal Life	
D7	18 Dec 2025	Floatables	
D7	18 Dec 2025	Current Direction	S
D7	18 Dec 2025	Water Temp (C)	14.2
D7	18 Dec 2025	High Tide Time	714
D7	18 Dec 2025	Low Tide Time	57
D7	18 Dec 2025	Comments	Water clear; Surfer/Paddle boarder-3; Trash-1
D7	22 Dec 2025	Arrive Time	1002
D7	22 Dec 2025	Wind Speed (kts)	1.3
D7	22 Dec 2025	Wind Dir	W
D7	22 Dec 2025	Animal Life	
D7	22 Dec 2025	Floatables	
D7	22 Dec 2025	Current Direction	S
D7	22 Dec 2025	Water Temp (C)	16.5
D7	22 Dec 2025	High Tide Time	921
D7	22 Dec 2025	Low Tide Time	313
D7	22 Dec 2025	Comments	Water clear; Trash-1; Algae
D7	30 Dec 2025	Arrive Time	942
D7	30 Dec 2025	Wind Speed (kts)	0
D7	30 Dec 2025	Wind Dir	XX
D7	30 Dec 2025	Animal Life	
D7	30 Dec 2025	Floatables	
D7	30 Dec 2025	Current Direction	S
D7	30 Dec 2025	Water Temp (C)	16
D7	30 Dec 2025	High Tide Time	458
D7	30 Dec 2025	Low Tide Time	1231
D7	30 Dec 2025	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae; Person/Walker/Jogger-6
D8	03 Dec 2025	Arrive Time	926
D8	03 Dec 2025	Wind Speed (kts)	1.5
D8	03 Dec 2025	Wind Dir	NW
D8	03 Dec 2025	Animal Life	
D8	03 Dec 2025	Floatables	
D8	03 Dec 2025	Current Direction	S
D8	03 Dec 2025	Water Temp (C)	15.5
D8	03 Dec 2025	High Tide Time	649
D8	03 Dec 2025	Low Tide Time	32

Station	Date	Parameter	Value
D8	03 Dec 2025	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae
D8	10 Dec 2025	Arrive Time	914
D8	10 Dec 2025	Wind Speed (kts)	0
D8	10 Dec 2025	Wind Dir	XX
D8	10 Dec 2025	Animal Life	
D8	10 Dec 2025	Floatables	
D8	10 Dec 2025	Current Direction	S
D8	10 Dec 2025	Water Temp (C)	14.8
D8	10 Dec 2025	High Tide Time	206
D8	10 Dec 2025	Low Tide Time	711
D8	10 Dec 2025	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae;Debris; Sewage-like odor
D8	18 Dec 2025	Arrive Time	1008
D8	18 Dec 2025	Wind Speed (kts)	1.5
D8	18 Dec 2025	Wind Dir	W
D8	18 Dec 2025	Animal Life	
D8	18 Dec 2025	Floatables	
D8	18 Dec 2025	Current Direction	S
D8	18 Dec 2025	Water Temp (C)	16.3
D8	18 Dec 2025	High Tide Time	714
D8	18 Dec 2025	Low Tide Time	57
D8	18 Dec 2025	Comments	Water clear; Trash-2; Kelp;Seagrass;Algae
D8	22 Dec 2025	Arrive Time	949
D8	22 Dec 2025	Wind Speed (kts)	4.8
D8	22 Dec 2025	Wind Dir	SW
D8	22 Dec 2025	Animal Life	
D8	22 Dec 2025	Floatables	
D8	22 Dec 2025	Current Direction	S
D8	22 Dec 2025	Water Temp (C)	16.5
D8	22 Dec 2025	High Tide Time	921
D8	22 Dec 2025	Low Tide Time	313
D8	22 Dec 2025	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae;Debris
D8	30 Dec 2025	Arrive Time	927
D8	30 Dec 2025	Wind Speed (kts)	0
D8	30 Dec 2025	Wind Dir	XX
D8	30 Dec 2025	Animal Life	
D8	30 Dec 2025	Floatables	
D8	30 Dec 2025	Current Direction	S
D8	30 Dec 2025	Water Temp (C)	14.8
D8	30 Dec 2025	High Tide Time	458
D8	30 Dec 2025	Low Tide Time	1231
D8	30 Dec 2025	Comments	Water clear; Trash-2; Kelp;Seagrass;Algae
D9	03 Dec 2025	Arrive Time	907
D9	03 Dec 2025	Wind Speed (kts)	1.9
D9	03 Dec 2025	Wind Dir	W
D9	03 Dec 2025	Animal Life	
D9	03 Dec 2025	Floatables	
D9	03 Dec 2025	Current Direction	S
D9	03 Dec 2025	Water Temp (C)	15.4
D9	03 Dec 2025	High Tide Time	649
D9	03 Dec 2025	Low Tide Time	32
D9	03 Dec 2025	Comments	Water clear; Trash-2; Kelp;Seagrass;Algae
D9	10 Dec 2025	Arrive Time	856
D9	10 Dec 2025	Wind Speed (kts)	0
D9	10 Dec 2025	Wind Dir	XX

Station	Date	Parameter	Value
D9	10 Dec 2025	Animal Life	
D9	10 Dec 2025	Floatables	nan
D9	10 Dec 2025	Current Direction	S
D9	10 Dec 2025	Water Temp (C)	14.2
D9	10 Dec 2025	High Tide Time	206
D9	10 Dec 2025	Low Tide Time	711
D9	10 Dec 2025	Comments	Water clear; Trash-2; Algae;Seagrass;Debris
D9	18 Dec 2025	Arrive Time	954
D9	18 Dec 2025	Wind Speed (kts)	0
D9	18 Dec 2025	Wind Dir	XX
D9	18 Dec 2025	Animal Life	
D9	18 Dec 2025	Floatables	
D9	18 Dec 2025	Current Direction	S
D9	18 Dec 2025	Water Temp (C)	16.1
D9	18 Dec 2025	High Tide Time	714
D9	18 Dec 2025	Low Tide Time	57
D9	18 Dec 2025	Comments	Water clear; Surfer/Paddle boarder-5; Trash-2; Kelp;Sea-grass;Algae; Person/Walker/Jogger-1; Sewage-like odor
D9	22 Dec 2025	Arrive Time	938
D9	22 Dec 2025	Wind Speed (kts)	1.7
D9	22 Dec 2025	Wind Dir	SW
D9	22 Dec 2025	Animal Life	
D9	22 Dec 2025	Floatables	
D9	22 Dec 2025	Current Direction	S
D9	22 Dec 2025	Water Temp (C)	16.8
D9	22 Dec 2025	High Tide Time	921
D9	22 Dec 2025	Low Tide Time	313
D9	22 Dec 2025	Comments	Water clear; Trash-2; Algae
D9	30 Dec 2025	Arrive Time	915
D9	30 Dec 2025	Wind Speed (kts)	0
D9	30 Dec 2025	Wind Dir	XX
D9	30 Dec 2025	Animal Life	
D9	30 Dec 2025	Floatables	
D9	30 Dec 2025	Current Direction	S
D9	30 Dec 2025	Water Temp (C)	15.5
D9	30 Dec 2025	High Tide Time	458
D9	30 Dec 2025	Low Tide Time	1231
D9	30 Dec 2025	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae; Per-son/Walker/Jogger-1
D10	03 Dec 2025	Arrive Time	846
D10	03 Dec 2025	Wind Speed (kts)	1.5
D10	03 Dec 2025	Wind Dir	W
D10	03 Dec 2025	Animal Life	
D10	03 Dec 2025	Floatables	
D10	03 Dec 2025	Current Direction	S
D10	03 Dec 2025	Water Temp (C)	15.4
D10	03 Dec 2025	High Tide Time	649
D10	03 Dec 2025	Low Tide Time	32
D10	03 Dec 2025	Comments	Water clear; Surfer/Paddle boarder-8; Trash-1; Kelp;Sea-grass; Person/Walker/Jogger-3
D10	10 Dec 2025	Arrive Time	844
D10	10 Dec 2025	Wind Speed (kts)	4.6
D10	10 Dec 2025	Wind Dir	E
D10	10 Dec 2025	Animal Life	
D10	10 Dec 2025	Floatables	
D10	10 Dec 2025	Current Direction	S

Station	Date	Parameter	Value
D10	10 Dec 2025	Water Temp (C)	13.8
D10	10 Dec 2025	High Tide Time	206
D10	10 Dec 2025	Low Tide Time	711
D10	10 Dec 2025	Comments	Water clear; Surfer/Paddle boarder-4; Trash-2; Seagrass;Debris
D10	18 Dec 2025	Arrive Time	942
D10	18 Dec 2025	Wind Speed (kts)	0
D10	18 Dec 2025	Wind Dir	XX
D10	18 Dec 2025	Animal Life	
D10	18 Dec 2025	Floatables	
D10	18 Dec 2025	Current Direction	S
D10	18 Dec 2025	Water Temp (C)	15.3
D10	18 Dec 2025	High Tide Time	714
D10	18 Dec 2025	Low Tide Time	57
D10	18 Dec 2025	Comments	Water clear; Surfer/Paddle boarder-7; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-12
D10	22 Dec 2025	Arrive Time	926
D10	22 Dec 2025	Wind Speed (kts)	2.3
D10	22 Dec 2025	Wind Dir	W
D10	22 Dec 2025	Animal Life	
D10	22 Dec 2025	Floatables	
D10	22 Dec 2025	Current Direction	S
D10	22 Dec 2025	Water Temp (C)	16.8
D10	22 Dec 2025	High Tide Time	921
D10	22 Dec 2025	Low Tide Time	313
D10	22 Dec 2025	Comments	Water clear; Surfer/Paddle boarder-9; Trash-3; Kelp;Seagrass;Debris
D10	30 Dec 2025	Arrive Time	850
D10	30 Dec 2025	Wind Speed (kts)	0
D10	30 Dec 2025	Wind Dir	XX
D10	30 Dec 2025	Animal Life	
D10	30 Dec 2025	Floatables	
D10	30 Dec 2025	Current Direction	S
D10	30 Dec 2025	Water Temp (C)	16.3
D10	30 Dec 2025	High Tide Time	458
D10	30 Dec 2025	Low Tide Time	1231
D10	30 Dec 2025	Comments	Water clear; Surfer/Paddle boarder-1; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-5
D11	03 Dec 2025	Arrive Time	826
D11	03 Dec 2025	Wind Speed (kts)	3.3
D11	03 Dec 2025	Wind Dir	W
D11	03 Dec 2025	Animal Life	
D11	03 Dec 2025	Floatables	
D11	03 Dec 2025	Current Direction	S
D11	03 Dec 2025	Water Temp (C)	15.5
D11	03 Dec 2025	High Tide Time	649
D11	03 Dec 2025	Low Tide Time	32
D11	03 Dec 2025	Comments	Water clear; Surfer/Paddle boarder-5; Trash-2; Kelp;Seagrass;Algae; Person/Walker/Jogger-4
D11	10 Dec 2025	Arrive Time	829
D11	10 Dec 2025	Wind Speed (kts)	2.7
D11	10 Dec 2025	Wind Dir	E
D11	10 Dec 2025	Animal Life	
D11	10 Dec 2025	Floatables	
D11	10 Dec 2025	Current Direction	S
D11	10 Dec 2025	Water Temp (C)	14

Station	Date	Parameter	Value
D11	10 Dec 2025	High Tide Time	206
D11	10 Dec 2025	Low Tide Time	711
D11	10 Dec 2025	Comments	Water clear; Surfer/Paddle boarder-17; Trash-3; Kelp;Sea-grass;Algae;Debris
D11	18 Dec 2025	Arrive Time	930
D11	18 Dec 2025	Wind Speed (kts)	0
D11	18 Dec 2025	Wind Dir	XX
D11	18 Dec 2025	Animal Life	
D11	18 Dec 2025	Floatables	
D11	18 Dec 2025	Current Direction	S
D11	18 Dec 2025	Water Temp (C)	15.3
D11	18 Dec 2025	High Tide Time	714
D11	18 Dec 2025	Low Tide Time	57
D11	18 Dec 2025	Comments	Water clear; Surfer/Paddle boarder-16; Trash-1; Kelp;Sea-grass;Algae; Person/Walker/Jogger-7
D11	22 Dec 2025	Arrive Time	915
D11	22 Dec 2025	Wind Speed (kts)	0
D11	22 Dec 2025	Wind Dir	E
D11	22 Dec 2025	Animal Life	
D11	22 Dec 2025	Floatables	Sanitary napkins
D11	22 Dec 2025	Current Direction	S
D11	22 Dec 2025	Water Temp (C)	15.9
D11	22 Dec 2025	High Tide Time	921
D11	22 Dec 2025	Low Tide Time	313
D11	22 Dec 2025	Comments	Water clear; Surfer/Paddle boarder-4; Fisherpersion-1; Trash-5; Kelp;Seagrass;Debris;Algae; Person/Walker/Jogger-7
D11	30 Dec 2025	Arrive Time	839
D11	30 Dec 2025	Wind Speed (kts)	0
D11	30 Dec 2025	Wind Dir	XX
D11	30 Dec 2025	Animal Life	Dog-2;
D11	30 Dec 2025	Floatables	
D11	30 Dec 2025	Current Direction	S
D11	30 Dec 2025	Water Temp (C)	16.3
D11	30 Dec 2025	High Tide Time	458
D11	30 Dec 2025	Low Tide Time	1231
D11	30 Dec 2025	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae; Person/Walker/Jogger-5
D12	03 Dec 2025	Arrive Time	807
D12	03 Dec 2025	Wind Speed (kts)	0
D12	03 Dec 2025	Wind Dir	XX
D12	03 Dec 2025	Animal Life	
D12	03 Dec 2025	Floatables	
D12	03 Dec 2025	Current Direction	S
D12	03 Dec 2025	Water Temp (C)	16
D12	03 Dec 2025	High Tide Time	649
D12	03 Dec 2025	Low Tide Time	32
D12	03 Dec 2025	Comments	Water clear; Fisherpersion-1; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-1
D12	10 Dec 2025	Arrive Time	801
D12	10 Dec 2025	Wind Speed (kts)	4.8
D12	10 Dec 2025	Wind Dir	E
D12	10 Dec 2025	Animal Life	Bird-1;
D12	10 Dec 2025	Floatables	
D12	10 Dec 2025	Current Direction	S
D12	10 Dec 2025	Water Temp (C)	14.1
D12	10 Dec 2025	High Tide Time	206

Station	Date	Parameter	Value
D12	10 Dec 2025	Low Tide Time	711
D12	10 Dec 2025	Comments	Water clear; Surfer/Paddle boarder-4; Trash-2; Kelp;Seagrass;Debris
D12	18 Dec 2025	Arrive Time	913
D12	18 Dec 2025	Wind Speed (kts)	3.5
D12	18 Dec 2025	Wind Dir	W
D12	18 Dec 2025	Animal Life	
D12	18 Dec 2025	Floatables	
D12	18 Dec 2025	Current Direction	S
D12	18 Dec 2025	Water Temp (C)	13.2
D12	18 Dec 2025	High Tide Time	714
D12	18 Dec 2025	Low Tide Time	57
D12	18 Dec 2025	Comments	Water clear; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-2
D12	22 Dec 2025	Arrive Time	848
D12	22 Dec 2025	Wind Speed (kts)	0.5
D12	22 Dec 2025	Wind Dir	NE
D12	22 Dec 2025	Animal Life	
D12	22 Dec 2025	Floatables	
D12	22 Dec 2025	Current Direction	S
D12	22 Dec 2025	Water Temp (C)	15.4
D12	22 Dec 2025	High Tide Time	921
D12	22 Dec 2025	Low Tide Time	313
D12	22 Dec 2025	Comments	Water clear; Trash-2; Seagrass;Debris; Person/Walker/Jogger-4
D12	30 Dec 2025	Arrive Time	821
D12	30 Dec 2025	Wind Speed (kts)	2.5
D12	30 Dec 2025	Wind Dir	W
D12	30 Dec 2025	Animal Life	
D12	30 Dec 2025	Floatables	
D12	30 Dec 2025	Current Direction	S
D12	30 Dec 2025	Water Temp (C)	17.1
D12	30 Dec 2025	High Tide Time	458
D12	30 Dec 2025	Low Tide Time	1231
D12	30 Dec 2025	Comments	Water clear; Fisherpersion-1; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-5

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 Dec 2025	*2	*3	*3	*2	*4	*2	*2	*2
02 Dec 2025	2	2	3	2	4	2	3	2
03 Dec 2025	*2	*3	*3	*2	*4	*2	*3	*2
04 Dec 2025	*2	*3	*3	*2	*4	*2	*3	*2
05 Dec 2025	*2	*3	*3	*2	*4	*2	*3	*2
06 Dec 2025	*2	*3	*3	*2	*4	*2	*3	*2
07 Dec 2025	*2	*3	*3	*2	*4	*2	*3	*2
08 Dec 2025	3	3	3	2	4	2	3	2
09 Dec 2025	3	3	3	2	4	2	3	2
10 Dec 2025	*3	*3	*3	*2	*4	*2	*3	*2
11 Dec 2025	*3	*3	*3	*2	*4	*2	*3	*2
12 Dec 2025	*3	*3	*3	*2	*4	*2	*3	*2
13 Dec 2025	*3	*3	*3	*2	*4	*2	*3	*2
14 Dec 2025	*3	*3	*3	*2	*4	*2	*3	*2
15 Dec 2025	3	3	4	2	4	2	3	2
16 Dec 2025	3	3	4	2	4	2	3	2
17 Dec 2025	*3	*3	*5	*2	*2	*2	*3	*2
18 Dec 2025	*3	*3	*5	*2	*2	*2	*3	*2
19 Dec 2025	*3	*3	*5	*2	*2	*2	*3	*2
20 Dec 2025	*3	*3	*5	*2	*2	*2	*3	*2
21 Dec 2025	*3	*3	*5	*2	*2	*2	*3	*2
22 Dec 2025	*3	*3	*5	*2	*2	*2	*3	*2
23 Dec 2025	3	5	4	2	2	2	3	2
24 Dec 2025	3	5	4	2	2	2	3	2
25 Dec 2025	*3	*4	*4	*2	*2	*2	*4	*2
26 Dec 2025	*3	*4	*4	*2	*2	*2	*4	*2
27 Dec 2025	*3	*4	*4	*2	*2	*2	*4	*2
28 Dec 2025	*3	*4	*4	*2	*2	*2	*4	*2
29 Dec 2025	4	4	4	2	2	2	3	2
30 Dec 2025	4	4	4	2	2	2	3	2
31 Dec 2025	4	4	4	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
02 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
08 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
15 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
23 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
29 Dec 2025	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 Dec 2025	*2	*2	*2	*2	*3	*2	*2	*2
02 Dec 2025	2	2	2	2	3	2	2	2
03 Dec 2025	*2	*2	*2	*2	*3	*2	*2	*2
04 Dec 2025	*2	*2	*2	*2	*3	*2	*2	*2
05 Dec 2025	*2	*2	*2	*2	*3	*2	*2	*2
06 Dec 2025	*2	*2	*2	*2	*3	*2	*2	*2
07 Dec 2025	*2	*2	*2	*2	*3	*2	*2	*2
08 Dec 2025	2	2	2	2	3	2	2	2
09 Dec 2025	2	2	2	2	3	2	2	2
10 Dec 2025	*2	*2	*2	*2	*3	*2	*2	*2
11 Dec 2025	*2	*2	*2	*2	*3	*2	*2	*2
12 Dec 2025	*2	*2	*2	*2	*3	*2	*2	*2
13 Dec 2025	*2	*2	*2	*2	*3	*2	*2	*2
14 Dec 2025	*2	*2	*2	*2	*3	*2	*2	*2
15 Dec 2025	2	2	2	2	3	2	2	2
16 Dec 2025	2	2	2	2	3	2	2	2
17 Dec 2025	*2	*2	*2	*2	*2	*2	*2	*2
18 Dec 2025	*2	*2	*2	*2	*2	*2	*2	*2
19 Dec 2025	*2	*2	*2	*2	*2	*2	*2	*2
20 Dec 2025	*2	*2	*2	*2	*2	*2	*2	*2
21 Dec 2025	*2	*2	*2	*2	*2	*2	*2	*2
22 Dec 2025	*2	*2	*2	*2	*2	*2	*2	*2
23 Dec 2025	2	2	2	2	2	2	2	2
24 Dec 2025	2	2	2	2	2	2	2	2
25 Dec 2025	*2	*2	*2	*2	*2	*2	*2	*2
26 Dec 2025	*2	*2	*2	*2	*2	*2	*2	*2
27 Dec 2025	*2	*2	*2	*2	*2	*2	*2	*2
28 Dec 2025	*2	*2	*2	*2	*2	*2	*2	*2
29 Dec 2025	2	2	2	2	2	2	2	2
30 Dec 2025	2	2	2	2	2	2	2	2
31 Dec 2025	2	2	2	2	2	2	2	2

* 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
02 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
08 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
15 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
23 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
29 Dec 2025	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 Dec 2025	*4	*6	*15	*3	*13	*3	*5	*5
02 Dec 2025	3	5	12	3	12	3	6	5
03 Dec 2025	*4	*7	*19	*3	*13	*3	*8	*6
04 Dec 2025	*4	*7	*19	*3	*13	*3	*8	*6
05 Dec 2025	*4	*7	*19	*3	*13	*3	*8	*6
06 Dec 2025	*4	*7	*19	*3	*13	*3	*8	*6
07 Dec 2025	*4	*7	*19	*3	*13	*3	*8	*6
08 Dec 2025	6	7	12	3	9	3	8	5
09 Dec 2025	6	7	12	3	9	3	8	5
10 Dec 2025	*6	*5	*8	*3	*13	*3	*8	*4
11 Dec 2025	*6	*5	*8	*3	*13	*3	*8	*4
12 Dec 2025	*6	*5	*8	*3	*13	*3	*8	*4
13 Dec 2025	*6	*5	*8	*3	*13	*3	*8	*4
14 Dec 2025	*6	*5	*8	*3	*13	*3	*8	*4
15 Dec 2025	7	6	12	3	10	3	8	4
16 Dec 2025	7	6	12	3	10	3	8	4
17 Dec 2025	*8	*7	*16	*3	*6	*3	*10	*4
18 Dec 2025	*8	*7	*16	*3	*6	*3	*10	*4
19 Dec 2025	*8	*7	*16	*3	*6	*3	*10	*4
20 Dec 2025	*8	*7	*16	*3	*6	*3	*10	*4
21 Dec 2025	*8	*7	*16	*3	*6	*3	*10	*4
22 Dec 2025	*8	*7	*16	*3	*6	*3	*10	*4
23 Dec 2025	6	13	11	2	5	3	9	4
24 Dec 2025	6	13	11	2	5	3	9	4
25 Dec 2025	*8	*11	*7	*2	*3	*2	*8	*4
26 Dec 2025	*8	*11	*7	*2	*3	*2	*8	*4
27 Dec 2025	*8	*11	*7	*2	*3	*2	*8	*4
28 Dec 2025	*8	*11	*7	*2	*3	*2	*8	*4
29 Dec 2025	11	8	8	3	3	2	7	4
30 Dec 2025	11	8	8	3	3	2	7	4
31 Dec 2025	11	8	8	3	3	2	7	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 10^4 CFU/100 mL.

Date	A1	A6	A7	C4	C5	C6	C7	C8
02 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
08 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
15 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
23 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
29 Dec 2025	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
02 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
08 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
15 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
23 Dec 2025	IC	IC	IC	IC	IC	IC	IC	IC
29 Dec 2025	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	02 Dec 2025	738	1	<2	<2	<2
A1	02 Dec 2025	738	12	<2	<2	<2
A1	02 Dec 2025	738	18	<2	2e	<2
A1	08 Dec 2025	807	1	6e	2e	<2
A1	08 Dec 2025	807	12	50	8e	2e
A1	08 Dec 2025	807	18	82	14e	4e
A1	15 Dec 2025	841	1	28e	4e	<2
A1	15 Dec 2025	841	12	6e	<2	<2
A1	15 Dec 2025	841	18	20e	4e	<2
A1	23 Dec 2025	731	1	<2	<2	<2
A1	23 Dec 2025	731	12	2e	<2	<2
A1	23 Dec 2025	731	18	<2	2e	<2
A1	29 Dec 2025	804	1	4e	<2	<2
A1	29 Dec 2025	804	12	8e	2e	<2
A1	29 Dec 2025	804	18	140e	20e	6e
A6	02 Dec 2025	806	1	<2	<2	<2
A6	02 Dec 2025	806	12	<2	<2	<2
A6	02 Dec 2025	806	18	4e	<2	<2
A6	08 Dec 2025	835	1	<2	<2	<2
A6	08 Dec 2025	835	12	2e	<2	<2
A6	08 Dec 2025	835	18	18e	4e	<2
A6	15 Dec 2025	909	1	<2	<2	<2
A6	15 Dec 2025	909	12	10e	2e	<2
A6	15 Dec 2025	909	18	10e	2e	<2
A6	23 Dec 2025	753	1	<2	<2	<2
A6	23 Dec 2025	753	12	76	20e	<2
A6	23 Dec 2025	753	18	280e	68	2e
A6	29 Dec 2025	834	1	2e	<2	<2
A6	29 Dec 2025	834	12	2e	<2	<2
A6	29 Dec 2025	834	18	<2	<2	<2
A7	02 Dec 2025	755	1	<2	<2	<2
A7	02 Dec 2025	755	12	4e	<2	<2
A7	02 Dec 2025	755	18	10e	4e	<2
A7	08 Dec 2025	822	1	<2	<2	<2
A7	08 Dec 2025	822	12	<2	<2	<2
A7	08 Dec 2025	822	18	<2	<2	<2
A7	15 Dec 2025	856	1	2e	<2	<2
A7	15 Dec 2025	856	12	80e	14e	<2
A7	15 Dec 2025	856	18	120e	30e	6e

Station	Date	Time	Depth	Total	Fecal	Entero
A7	23 Dec 2025	742	1	<2	<2	<2
A7	23 Dec 2025	742	12	2e	2e	<2
A7	23 Dec 2025	742	18	4e	<2	<2
A7	29 Dec 2025	821	1	<2	<2	<2
A7	29 Dec 2025	821	12	8e	<2	<2
A7	29 Dec 2025	821	18	30e	6e	2e
C4	02 Dec 2025	912	1	2e	<2	2e
C4	02 Dec 2025	912	3	4e	<2	<2
C4	02 Dec 2025	912	9	2e	<2	<2
C4	08 Dec 2025	940	1	<2	<2	<2
C4	08 Dec 2025	940	3	<2	<2	<2
C4	08 Dec 2025	940	9	2e	4e	<2
C4	15 Dec 2025	1013	1	<2	2e	<2
C4	15 Dec 2025	1013	3	<2	<2	<2
C4	15 Dec 2025	1013	9	2e	<2	<2
C4	23 Dec 2025	916	1	<2	<2	<2
C4	23 Dec 2025	916	3	<2	<2	<2
C4	23 Dec 2025	916	9	<2	<2	<2
C4	29 Dec 2025	944	1	40e	<2	<2
C4	29 Dec 2025	944	3	<2	<2	<2
C4	29 Dec 2025	944	9	<2	6e	2e
C5	02 Dec 2025	900	1	2e	<2	<2
C5	02 Dec 2025	900	3	<2	2e	<2
C5	02 Dec 2025	900	9	<20	4e	<2
C5	08 Dec 2025	931	1	<2	<2	<2
C5	08 Dec 2025	931	3	<2	<2	<2
C5	08 Dec 2025	931	9	<2	<2	<2
C5	15 Dec 2025	1002	1	2e	<2	<2
C5	15 Dec 2025	1002	3	2e	<2	<2
C5	15 Dec 2025	1002	9	8e	2e	<2
C5	23 Dec 2025	905	1	<2	<2	2e
C5	23 Dec 2025	905	3	<2	<2	<2
C5	23 Dec 2025	905	9	<2	<2	<2
C5	29 Dec 2025	932	1	<2	<2	<2
C5	29 Dec 2025	932	3	<2	2e	<2
C5	29 Dec 2025	932	9	2e	<2	<2
C6	02 Dec 2025	850	1	2e	<2	<2
C6	02 Dec 2025	850	3	4e	<2	<2
C6	02 Dec 2025	850	9	<2	<2	<2
C6	08 Dec 2025	919	1	<2	<2	<2
C6	08 Dec 2025	919	3	<2	<2	<2
C6	08 Dec 2025	919	9	<2	<2	<2
C6	15 Dec 2025	953	1	<2	<2	<2
C6	15 Dec 2025	953	3	4e	<2	<2
C6	15 Dec 2025	953	9	<2	<2	<2

Station	Date	Time	Depth	Total	Fecal	Entero
C6	23 Dec 2025	851	1	<2	<2	<2
C6	23 Dec 2025	851	3	<2	<2	<2
C6	23 Dec 2025	851	9	<2	<2	<2
C6	29 Dec 2025	920	1	2e	<2	<2
C6	29 Dec 2025	920	3	2e	2e	<2
C6	29 Dec 2025	920	9	<2	<2	<2
C7	02 Dec 2025	820	1	2e	<2	<2
C7	02 Dec 2025	820	12	6e	<2	<2
C7	02 Dec 2025	820	18	20e	8e	<2
C7	08 Dec 2025	851	1	<2	<2	<2
C7	08 Dec 2025	851	12	2e	2e	<2
C7	08 Dec 2025	851	18	36e	8e	4e
C7	15 Dec 2025	923	1	<2	2e	2e
C7	15 Dec 2025	923	12	<2	<2	<2
C7	15 Dec 2025	923	18	16e	4e	<2
C7	23 Dec 2025	811	1	<2	<2	<2
C7	23 Dec 2025	811	12	<2	2e	<2
C7	23 Dec 2025	811	18	14e	8e	<2
C7	29 Dec 2025	848	1	<2	<2	<2
C7	29 Dec 2025	848	12	<2	<2	<2
C7	29 Dec 2025	848	18	10e	<2	<2
C8	02 Dec 2025	831	1	<2	<2	<2
C8	02 Dec 2025	831	12	4e	2e	2e
C8	02 Dec 2025	831	18	12e	<2	<2
C8	08 Dec 2025	901	1	<2	<2	<2
C8	08 Dec 2025	901	12	<2	<2	<2
C8	08 Dec 2025	901	18	<2	<2	<2
C8	15 Dec 2025	935	1	<2	2e	<2
C8	15 Dec 2025	935	12	2e	2e	<2
C8	15 Dec 2025	935	18	6e	<2	<2
C8	23 Dec 2025	821	1	<2	<2	<2
C8	23 Dec 2025	821	12	<2	<2	<2
C8	23 Dec 2025	821	18	8e	6e	<2
C8	29 Dec 2025	900	1	<2	<2	<2
C8	29 Dec 2025	900	12	2e	<2	<2
C8	29 Dec 2025	900	18	20e	<2	<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	02 Dec 2025	Arrive Time	738
A1	02 Dec 2025	Depart Time	749
A1	02 Dec 2025	Air Temp (C)	15.2
A1	02 Dec 2025	Visibility (mi)	6
A1	02 Dec 2025	Wind Speed (kts)	0
A1	02 Dec 2025	Wind Dir	NW
A1	02 Dec 2025	Sea State	Calm
A1	02 Dec 2025	High Tide Time	612
A1	02 Dec 2025	Low Tide Time	1312
A1	02 Dec 2025	Comments	1st cast O2 and pH not varying together on surface. 4Hz data overwritten. Use 2nd cast 16Hz.; Kelp; Kelp Debris
A1	08 Dec 2025	Arrive Time	807
A1	08 Dec 2025	Depart Time	815
A1	08 Dec 2025	Air Temp (C)	18.4
A1	08 Dec 2025	Visibility (mi)	10
A1	08 Dec 2025	Wind Speed (kts)	2.7
A1	08 Dec 2025	Wind Dir	N
A1	08 Dec 2025	Sea State	Calm
A1	08 Dec 2025	High Tide Time	1048
A1	08 Dec 2025	Low Tide Time	1818
A1	08 Dec 2025	Comments	kelp on ctd; Kelp; Lobster Floats
A1	15 Dec 2025	Arrive Time	841
A1	15 Dec 2025	Depart Time	850
A1	15 Dec 2025	Air Temp (C)	13.7
A1	15 Dec 2025	Visibility (mi)	1.2
A1	15 Dec 2025	Wind Speed (kts)	6.5
A1	15 Dec 2025	Wind Dir	N
A1	15 Dec 2025	Sea State	Calm
A1	15 Dec 2025	High Tide Time	548
A1	15 Dec 2025	Low Tide Time	1300
A1	15 Dec 2025	Comments	rafts of birds; lobster boat; Kelp; Lobster Floats
A1	23 Dec 2025	Arrive Time	731
A1	23 Dec 2025	Depart Time	738
A1	23 Dec 2025	Air Temp (C)	16.6
A1	23 Dec 2025	Visibility (mi)	6
A1	23 Dec 2025	Wind Speed (kts)	4.9
A1	23 Dec 2025	Wind Dir	SW
A1	23 Dec 2025	Sea State	Confused Swell
A1	23 Dec 2025	High Tide Time	1000
A1	23 Dec 2025	Low Tide Time	1730
A1	23 Dec 2025	Comments	
A1	29 Dec 2025	Arrive Time	804
A1	29 Dec 2025	Depart Time	816
A1	29 Dec 2025	Air Temp (C)	16.5
A1	29 Dec 2025	Visibility (mi)	8
A1	29 Dec 2025	Wind Speed (kts)	3.4
A1	29 Dec 2025	Wind Dir	E
A1	29 Dec 2025	Sea State	Calm
A1	29 Dec 2025	High Tide Time	412
A1	29 Dec 2025	Low Tide Time	1124
A1	29 Dec 2025	Comments	Kelp; Kelp Debris

Station	Date	Parameter	Value
C4	02 Dec 2025	Arrive Time	912
C4	02 Dec 2025	Depart Time	915
C4	02 Dec 2025	Air Temp (C)	15.1
C4	02 Dec 2025	Visibility (mi)	6
C4	02 Dec 2025	Wind Speed (kts)	4.9
C4	02 Dec 2025	Wind Dir	E
C4	02 Dec 2025	Sea State	Calm
C4	02 Dec 2025	High Tide Time	612
C4	02 Dec 2025	Low Tide Time	1312
C4	02 Dec 2025	Comments	Kelp; Kelp Debris
C4	08 Dec 2025	Arrive Time	940
C4	08 Dec 2025	Depart Time	943
C4	08 Dec 2025	Air Temp (C)	18.3
C4	08 Dec 2025	Visibility (mi)	10
C4	08 Dec 2025	Wind Speed (kts)	3.9
C4	08 Dec 2025	Wind Dir	N
C4	08 Dec 2025	Sea State	Calm
C4	08 Dec 2025	High Tide Time	1048
C4	08 Dec 2025	Low Tide Time	1818
C4	08 Dec 2025	Comments	Kelp; Lobster Floats
C4	15 Dec 2025	Arrive Time	1013
C4	15 Dec 2025	Depart Time	1018
C4	15 Dec 2025	Air Temp (C)	15
C4	15 Dec 2025	Visibility (mi)	1.2
C4	15 Dec 2025	Wind Speed (kts)	2.4
C4	15 Dec 2025	Wind Dir	NW
C4	15 Dec 2025	Sea State	Calm
C4	15 Dec 2025	High Tide Time	548
C4	15 Dec 2025	Low Tide Time	1300
C4	15 Dec 2025	Comments	Kelp; Kelp Debris; Lobster Floats
C4	23 Dec 2025	Arrive Time	916
C4	23 Dec 2025	Depart Time	919
C4	23 Dec 2025	Air Temp (C)	16
C4	23 Dec 2025	Visibility (mi)	6
C4	23 Dec 2025	Wind Speed (kts)	15.2
C4	23 Dec 2025	Wind Dir	S
C4	23 Dec 2025	Sea State	Confused Swell
C4	23 Dec 2025	High Tide Time	1000
C4	23 Dec 2025	Low Tide Time	1730
C4	23 Dec 2025	Comments	
C4	29 Dec 2025	Arrive Time	944
C4	29 Dec 2025	Depart Time	949
C4	29 Dec 2025	Air Temp (C)	18.6
C4	29 Dec 2025	Visibility (mi)	8
C4	29 Dec 2025	Wind Speed (kts)	1.6
C4	29 Dec 2025	Wind Dir	NW
C4	29 Dec 2025	Sea State	Calm
C4	29 Dec 2025	High Tide Time	412
C4	29 Dec 2025	Low Tide Time	1124
C4	29 Dec 2025	Comments	
A7	02 Dec 2025	Arrive Time	755
A7	02 Dec 2025	Depart Time	758
A7	02 Dec 2025	Air Temp (C)	15.4
A7	02 Dec 2025	Visibility (mi)	6
A7	02 Dec 2025	Wind Speed (kts)	0
A7	02 Dec 2025	Wind Dir	N

Station	Date	Parameter	Value
A7	02 Dec 2025	Sea State	Calm
A7	02 Dec 2025	High Tide Time	612
A7	02 Dec 2025	Low Tide Time	1312
A7	02 Dec 2025	Comments	Kelp Debris
A7	08 Dec 2025	Arrive Time	822
A7	08 Dec 2025	Depart Time	827
A7	08 Dec 2025	Air Temp (C)	16.2
A7	08 Dec 2025	Visibility (mi)	10
A7	08 Dec 2025	Wind Speed (kts)	2.2
A7	08 Dec 2025	Wind Dir	NE
A7	08 Dec 2025	Sea State	Calm
A7	08 Dec 2025	High Tide Time	1048
A7	08 Dec 2025	Low Tide Time	1818
A7	08 Dec 2025	Comments	Kelp; Lobster Floats
A7	15 Dec 2025	Arrive Time	856
A7	15 Dec 2025	Depart Time	901
A7	15 Dec 2025	Air Temp (C)	13.7
A7	15 Dec 2025	Visibility (mi)	1.2
A7	15 Dec 2025	Wind Speed (kts)	1.5
A7	15 Dec 2025	Wind Dir	NW
A7	15 Dec 2025	Sea State	Calm
A7	15 Dec 2025	High Tide Time	548
A7	15 Dec 2025	Low Tide Time	1300
A7	15 Dec 2025	Comments	Kelp; Lobster Floats
A7	23 Dec 2025	Arrive Time	742
A7	23 Dec 2025	Depart Time	746
A7	23 Dec 2025	Air Temp (C)	16.3
A7	23 Dec 2025	Visibility (mi)	6
A7	23 Dec 2025	Wind Speed (kts)	5
A7	23 Dec 2025	Wind Dir	S
A7	23 Dec 2025	Sea State	Confused Swell
A7	23 Dec 2025	High Tide Time	1000
A7	23 Dec 2025	Low Tide Time	1730
A7	23 Dec 2025	Comments	
A7	29 Dec 2025	Arrive Time	821
A7	29 Dec 2025	Depart Time	825
A7	29 Dec 2025	Air Temp (C)	15.3
A7	29 Dec 2025	Visibility (mi)	8
A7	29 Dec 2025	Wind Speed (kts)	2.2
A7	29 Dec 2025	Wind Dir	E
A7	29 Dec 2025	Sea State	Calm
A7	29 Dec 2025	High Tide Time	412
A7	29 Dec 2025	Low Tide Time	1124
A7	29 Dec 2025	Comments	Kelp; Kelp Debris
C5	02 Dec 2025	Arrive Time	900
C5	02 Dec 2025	Depart Time	906
C5	02 Dec 2025	Air Temp (C)	16
C5	02 Dec 2025	Visibility (mi)	6
C5	02 Dec 2025	Wind Speed (kts)	0
C5	02 Dec 2025	Wind Dir	N
C5	02 Dec 2025	Sea State	Calm
C5	02 Dec 2025	High Tide Time	612
C5	02 Dec 2025	Low Tide Time	1312
C5	02 Dec 2025	Comments	Lots of birds. Re-cast due to high CDOM issues. Use 2nd cast.; Kelp; Kelp Debris

Station	Date	Parameter	Value
C5	08 Dec 2025	Arrive Time	931
C5	08 Dec 2025	Depart Time	933
C5	08 Dec 2025	Air Temp (C)	17.6
C5	08 Dec 2025	Visibility (mi)	10
C5	08 Dec 2025	Wind Speed (kts)	4.3
C5	08 Dec 2025	Wind Dir	N
C5	08 Dec 2025	Sea State	Calm
C5	08 Dec 2025	High Tide Time	1048
C5	08 Dec 2025	Low Tide Time	1818
C5	08 Dec 2025	Comments	Rafts of grebes; Kelp; Lobster Floats
C5	15 Dec 2025	Arrive Time	1002
C5	15 Dec 2025	Depart Time	1009
C5	15 Dec 2025	Air Temp (C)	14.7
C5	15 Dec 2025	Visibility (mi)	1.2
C5	15 Dec 2025	Wind Speed (kts)	5.6
C5	15 Dec 2025	Wind Dir	SW
C5	15 Dec 2025	Sea State	Calm
C5	15 Dec 2025	High Tide Time	548
C5	15 Dec 2025	Low Tide Time	1300
C5	15 Dec 2025	Comments	Lots of grebes ; Kelp; Kelp Debris; Lobster Floats
C5	23 Dec 2025	Arrive Time	905
C5	23 Dec 2025	Depart Time	909
C5	23 Dec 2025	Air Temp (C)	16.9
C5	23 Dec 2025	Visibility (mi)	6
C5	23 Dec 2025	Wind Speed (kts)	13.8
C5	23 Dec 2025	Wind Dir	S
C5	23 Dec 2025	Sea State	Confused Swell
C5	23 Dec 2025	High Tide Time	1000
C5	23 Dec 2025	Low Tide Time	1730
C5	23 Dec 2025	Comments	
C5	29 Dec 2025	Arrive Time	932
C5	29 Dec 2025	Depart Time	943
C5	29 Dec 2025	Air Temp (C)	16.8
C5	29 Dec 2025	Visibility (mi)	8
C5	29 Dec 2025	Wind Speed (kts)	1.8
C5	29 Dec 2025	Wind Dir	NW
C5	29 Dec 2025	Sea State	Calm
C5	29 Dec 2025	High Tide Time	412
C5	29 Dec 2025	Low Tide Time	1124
C5	29 Dec 2025	Comments	
A6	02 Dec 2025	Arrive Time	806
A6	02 Dec 2025	Depart Time	811
A6	02 Dec 2025	Air Temp (C)	14.2
A6	02 Dec 2025	Visibility (mi)	6
A6	02 Dec 2025	Wind Speed (kts)	2.5
A6	02 Dec 2025	Wind Dir	NW
A6	02 Dec 2025	Sea State	Calm
A6	02 Dec 2025	High Tide Time	612
A6	02 Dec 2025	Low Tide Time	1312
A6	02 Dec 2025	Comments	Kelp Debris
A6	08 Dec 2025	Arrive Time	835
A6	08 Dec 2025	Depart Time	839
A6	08 Dec 2025	Air Temp (C)	16.4
A6	08 Dec 2025	Visibility (mi)	10
A6	08 Dec 2025	Wind Speed (kts)	2.3
A6	08 Dec 2025	Wind Dir	E

Station	Date	Parameter	Value
A6	08 Dec 2025	Sea State	Calm
A6	08 Dec 2025	High Tide Time	1048
A6	08 Dec 2025	Low Tide Time	1818
A6	08 Dec 2025	Comments	Kelp; Lobster Floats
A6	15 Dec 2025	Arrive Time	909
A6	15 Dec 2025	Depart Time	917
A6	15 Dec 2025	Air Temp (C)	13.8
A6	15 Dec 2025	Visibility (mi)	1.2
A6	15 Dec 2025	Wind Speed (kts)	0
A6	15 Dec 2025	Wind Dir	N
A6	15 Dec 2025	Sea State	Calm
A6	15 Dec 2025	High Tide Time	548
A6	15 Dec 2025	Low Tide Time	1300
A6	15 Dec 2025	Comments	CTD Covered in kelp; Kelp; Kelp Debris; Lobster Floats
A6	23 Dec 2025	Arrive Time	753
A6	23 Dec 2025	Depart Time	802
A6	23 Dec 2025	Air Temp (C)	16.4
A6	23 Dec 2025	Visibility (mi)	6
A6	23 Dec 2025	Wind Speed (kts)	5.7
A6	23 Dec 2025	Wind Dir	SE
A6	23 Dec 2025	Sea State	Confused Swell
A6	23 Dec 2025	High Tide Time	1000
A6	23 Dec 2025	Low Tide Time	1730
A6	23 Dec 2025	Comments	Didn't get depth on first cast; use second cast for data
A6	29 Dec 2025	Arrive Time	834
A6	29 Dec 2025	Depart Time	839
A6	29 Dec 2025	Air Temp (C)	16
A6	29 Dec 2025	Visibility (mi)	8
A6	29 Dec 2025	Wind Speed (kts)	0.1
A6	29 Dec 2025	Wind Dir	E
A6	29 Dec 2025	Sea State	Calm
A6	29 Dec 2025	High Tide Time	412
A6	29 Dec 2025	Low Tide Time	1124
A6	29 Dec 2025	Comments	
C6	02 Dec 2025	Arrive Time	850
C6	02 Dec 2025	Depart Time	853
C6	02 Dec 2025	Air Temp (C)	15.5
C6	02 Dec 2025	Visibility (mi)	6
C6	02 Dec 2025	Wind Speed (kts)	0.8
C6	02 Dec 2025	Wind Dir	NW
C6	02 Dec 2025	Sea State	Calm
C6	02 Dec 2025	High Tide Time	612
C6	02 Dec 2025	Low Tide Time	1312
C6	02 Dec 2025	Comments	Kelp
C6	08 Dec 2025	Arrive Time	919
C6	08 Dec 2025	Depart Time	924
C6	08 Dec 2025	Air Temp (C)	18.7
C6	08 Dec 2025	Visibility (mi)	10
C6	08 Dec 2025	Wind Speed (kts)	3.4
C6	08 Dec 2025	Wind Dir	NE
C6	08 Dec 2025	Sea State	Calm
C6	08 Dec 2025	High Tide Time	1048
C6	08 Dec 2025	Low Tide Time	1818
C6	08 Dec 2025	Comments	
C6	15 Dec 2025	Arrive Time	953

Station	Date	Parameter	Value
C6	15 Dec 2025	Depart Time	958
C6	15 Dec 2025	Air Temp (C)	14.4
C6	15 Dec 2025	Visibility (mi)	1.2
C6	15 Dec 2025	Wind Speed (kts)	7.6
C6	15 Dec 2025	Wind Dir	N
C6	15 Dec 2025	Sea State	Calm
C6	15 Dec 2025	High Tide Time	548
C6	15 Dec 2025	Low Tide Time	1300
C6	15 Dec 2025	Comments	Kelp; Kelp Debris; Lobster Floats
C6	23 Dec 2025	Arrive Time	851
C6	23 Dec 2025	Depart Time	859
C6	23 Dec 2025	Air Temp (C)	16.8
C6	23 Dec 2025	Visibility (mi)	6
C6	23 Dec 2025	Wind Speed (kts)	6.6
C6	23 Dec 2025	Wind Dir	S
C6	23 Dec 2025	Sea State	Confused Swell
C6	23 Dec 2025	High Tide Time	1000
C6	23 Dec 2025	Low Tide Time	1730
C6	23 Dec 2025	Comments	Didn't get first 2meters of data; had to recast; use 3rd data set
C6	29 Dec 2025	Arrive Time	920
C6	29 Dec 2025	Depart Time	926
C6	29 Dec 2025	Air Temp (C)	16.6
C6	29 Dec 2025	Visibility (mi)	8
C6	29 Dec 2025	Wind Speed (kts)	1.8
C6	29 Dec 2025	Wind Dir	NW
C6	29 Dec 2025	Sea State	Calm
C6	29 Dec 2025	High Tide Time	412
C6	29 Dec 2025	Low Tide Time	1124
C6	29 Dec 2025	Comments	niskin 3 misfire. taking middle sample from 4.; Kelp; Kelp Debris
C7	02 Dec 2025	Arrive Time	820
C7	02 Dec 2025	Depart Time	824
C7	02 Dec 2025	Air Temp (C)	13.2
C7	02 Dec 2025	Visibility (mi)	6
C7	02 Dec 2025	Wind Speed (kts)	4.9
C7	02 Dec 2025	Wind Dir	N
C7	02 Dec 2025	Sea State	Calm
C7	02 Dec 2025	High Tide Time	612
C7	02 Dec 2025	Low Tide Time	1312
C7	02 Dec 2025	Comments	Kelp
C7	08 Dec 2025	Arrive Time	851
C7	08 Dec 2025	Depart Time	853
C7	08 Dec 2025	Air Temp (C)	16.6
C7	08 Dec 2025	Visibility (mi)	10
C7	08 Dec 2025	Wind Speed (kts)	3.1
C7	08 Dec 2025	Wind Dir	NE
C7	08 Dec 2025	Sea State	Calm
C7	08 Dec 2025	High Tide Time	1048
C7	08 Dec 2025	Low Tide Time	1818
C7	08 Dec 2025	Comments	Kelp; Lobster Floats
C7	15 Dec 2025	Arrive Time	923
C7	15 Dec 2025	Depart Time	928
C7	15 Dec 2025	Air Temp (C)	14.1
C7	15 Dec 2025	Visibility (mi)	1.2
C7	15 Dec 2025	Wind Speed (kts)	5.4
C7	15 Dec 2025	Wind Dir	NW

Station	Date	Parameter	Value
C7	15 Dec 2025	Sea State	Calm
C7	15 Dec 2025	High Tide Time	548
C7	15 Dec 2025	Low Tide Time	1300
C7	15 Dec 2025	Comments	Kelp; Kelp Debris; Lobster Floats
C7	23 Dec 2025	Arrive Time	811
C7	23 Dec 2025	Depart Time	815
C7	23 Dec 2025	Air Temp (C)	16.3
C7	23 Dec 2025	Visibility (mi)	6
C7	23 Dec 2025	Wind Speed (kts)	3.8
C7	23 Dec 2025	Wind Dir	SE
C7	23 Dec 2025	Sea State	Confused Swell
C7	23 Dec 2025	High Tide Time	1000
C7	23 Dec 2025	Low Tide Time	1730
C7	23 Dec 2025	Comments	
C7	29 Dec 2025	Arrive Time	848
C7	29 Dec 2025	Depart Time	853
C7	29 Dec 2025	Air Temp (C)	15.5
C7	29 Dec 2025	Visibility (mi)	8
C7	29 Dec 2025	Wind Speed (kts)	0.9
C7	29 Dec 2025	Wind Dir	E
C7	29 Dec 2025	Sea State	Calm
C7	29 Dec 2025	High Tide Time	412
C7	29 Dec 2025	Low Tide Time	1124
C7	29 Dec 2025	Comments	Kelp; Kelp Debris
C8	02 Dec 2025	Arrive Time	831
C8	02 Dec 2025	Depart Time	838
C8	02 Dec 2025	Air Temp (C)	13.5
C8	02 Dec 2025	Visibility (mi)	6
C8	02 Dec 2025	Wind Speed (kts)	3.5
C8	02 Dec 2025	Wind Dir	N
C8	02 Dec 2025	Sea State	Calm
C8	02 Dec 2025	High Tide Time	612
C8	02 Dec 2025	Low Tide Time	1312
C8	02 Dec 2025	Comments	Kelp Debris; Seagrass
C8	08 Dec 2025	Arrive Time	901
C8	08 Dec 2025	Depart Time	905
C8	08 Dec 2025	Air Temp (C)	15.9
C8	08 Dec 2025	Visibility (mi)	10
C8	08 Dec 2025	Wind Speed (kts)	1.1
C8	08 Dec 2025	Wind Dir	NE
C8	08 Dec 2025	Sea State	Calm
C8	08 Dec 2025	High Tide Time	1048
C8	08 Dec 2025	Low Tide Time	1818
C8	08 Dec 2025	Comments	Kelp; Lobster Floats
C8	15 Dec 2025	Arrive Time	935
C8	15 Dec 2025	Depart Time	941
C8	15 Dec 2025	Air Temp (C)	14.4
C8	15 Dec 2025	Visibility (mi)	1.2
C8	15 Dec 2025	Wind Speed (kts)	1
C8	15 Dec 2025	Wind Dir	N
C8	15 Dec 2025	Sea State	Calm
C8	15 Dec 2025	High Tide Time	548
C8	15 Dec 2025	Low Tide Time	1300
C8	15 Dec 2025	Comments	Kelp; Kelp Debris
C8	23 Dec 2025	Arrive Time	821

Station	Date	Parameter	Value
C8	23 Dec 2025	Depart Time	825
C8	23 Dec 2025	Air Temp (C)	16.4
C8	23 Dec 2025	Visibility (mi)	6
C8	23 Dec 2025	Wind Speed (kts)	5.7
C8	23 Dec 2025	Wind Dir	SE
C8	23 Dec 2025	Sea State	Confused Swell
C8	23 Dec 2025	High Tide Time	1000
C8	23 Dec 2025	Low Tide Time	1730
C8	23 Dec 2025	Comments	
C8	29 Dec 2025	Arrive Time	900
C8	29 Dec 2025	Depart Time	920
C8	29 Dec 2025	Air Temp (C)	14.7
C8	29 Dec 2025	Visibility (mi)	8
C8	29 Dec 2025	Wind Speed (kts)	2
C8	29 Dec 2025	Wind Dir	E
C8	29 Dec 2025	Sea State	Calm
C8	29 Dec 2025	High Tide Time	412
C8	29 Dec 2025	Low Tide Time	1124
C8	29 Dec 2025	Comments	

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 (σ -t)	Chlor (μ g/L)
A1	02 Dec 2025	1	17.08	89.42	7.7	33.25	8.1	24.1	0.79
A1	02 Dec 2025	2	17.08	91.69	7.7	33.25	8.1	24.2	0.80
A1	02 Dec 2025	3	17.08	91.17	7.7	33.25	8.1	24.1	0.82
A1	02 Dec 2025	4	17.09	91.68	7.7	33.25	8.1	24.1	0.94
A1	02 Dec 2025	5	17.09	91.74	7.7	33.25	8.1	24.1	0.92
A1	02 Dec 2025	6	17.09	91.61	7.7	33.25	8.1	24.1	0.76
A1	02 Dec 2025	7	17.09	91.65	7.7	33.25	8.1	24.1	0.76
A1	02 Dec 2025	8	17.09	91.57	7.7	33.25	8.1	24.1	0.77
A1	02 Dec 2025	9	17.09	91.46	7.7	33.25	8.1	24.1	0.79
A1	02 Dec 2025	10	17.09	91.55	7.7	33.25	8.1	24.1	0.82
A1	02 Dec 2025	11	17.08	91.72	7.7	33.25	8.1	24.1	0.77
A1	02 Dec 2025	12	17.08	91.49	7.7	33.25	8.1	24.1	0.79
A1	02 Dec 2025	13	17.08	91.4	7.7	33.25	8.1	24.1	0.75
A1	02 Dec 2025	14	17.08	91.13	7.7	33.25	8.1	24.1	0.77
A1	02 Dec 2025	15	17.08	91.1	7.7	33.25	8.1	24.1	0.74
A1	02 Dec 2025	16	17.08	90.73	7.7	33.25	8.1	24.1	0.72
A1	02 Dec 2025	17	17.08	90.14	7.7	33.24	8.1	24.1	0.71
A1	02 Dec 2025	18	17.07	88.87	7.6	33.24	8.1	24.2	NA
A1	08 Dec 2025	1	17.08	96.13	7.6	33.30	8.1	24.2	0.70
A1	08 Dec 2025	2	17.07	95.45	7.6	33.30	8.1	24.2	0.73
A1	08 Dec 2025	3	17.07	95.83	7.6	33.30	8.1	24.2	0.77
A1	08 Dec 2025	4	17.07	96.2	7.6	33.30	8.1	24.2	0.85
A1	08 Dec 2025	5	17.06	96.16	7.6	33.30	8.1	24.2	0.90
A1	08 Dec 2025	6	16.99	96.19	7.6	33.30	8.1	24.2	0.88
A1	08 Dec 2025	7	16.86	96.13	7.5	33.29	8.1	24.2	0.80
A1	08 Dec 2025	8	16.80	96.2	7.5	33.29	8.1	24.2	0.73
A1	08 Dec 2025	9	16.66	96.05	7.4	33.28	8.1	24.3	0.68
A1	08 Dec 2025	10	16.58	96.02	7.3	33.28	8.1	24.3	0.73
A1	08 Dec 2025	11	15.85	95.99	7.2	33.27	8.0	24.5	0.55
A1	08 Dec 2025	12	15.43	95.78	7.0	33.26	8.0	24.5	0.42
A1	08 Dec 2025	13	15.28	95.97	7.0	33.25	8.0	24.6	0.42
A1	08 Dec 2025	14	15.24	96.21	7.0	33.25	8.0	24.6	0.40
A1	08 Dec 2025	15	15.22	96.42	7.0	33.25	8.0	24.6	0.41
A1	08 Dec 2025	16	15.20	96.57	7.0	33.25	8.0	24.6	0.41
A1	08 Dec 2025	17	15.17	96.45	7.0	33.25	8.0	24.6	1.63
A1	08 Dec 2025	18	15.11	96.09	6.9	33.26	8.0	24.6	1.71
A1	08 Dec 2025	19	15.01	95.79	6.9	33.26	8.0	24.6	0.37
A1	15 Dec 2025	1	17.19	97.49	8.0	33.32	8.1	24.2	0.69
A1	15 Dec 2025	2	17.19	97.3	8.0	33.32	8.1	24.2	0.72
A1	15 Dec 2025	3	17.18	97.44	8.0	33.32	8.1	24.2	0.75
A1	15 Dec 2025	4	17.18	97.41	8.0	33.32	8.1	24.2	0.76
A1	15 Dec 2025	5	17.18	97.36	8.0	33.32	8.1	24.2	0.74
A1	15 Dec 2025	6	17.14	97.45	8.0	33.32	8.1	24.2	0.73
A1	15 Dec 2025	7	17.14	96.82	8.0	33.32	8.1	24.2	0.81
A1	15 Dec 2025	8	17.14	95.91	8.0	33.32	8.1	24.2	0.99
A1	15 Dec 2025	9	17.14	95.76	8.0	33.32	8.1	24.2	1.03
A1	15 Dec 2025	10	17.14	95.57	7.9	33.32	8.1	24.2	0.93
A1	15 Dec 2025	11	17.13	95.61	7.9	33.32	8.1	24.2	1.02
A1	15 Dec 2025	12	17.13	96.51	8.0	33.32	8.1	24.2	1.33
A1	15 Dec 2025	13	17.13	96.57	7.9	33.32	8.1	24.2	1.23
A1	15 Dec 2025	14	17.06	96.37	7.9	33.32	8.1	24.2	1.86
A1	15 Dec 2025	15	17.00	96.34	7.9	33.31	8.1	24.2	1.37
A1	15 Dec 2025	16	16.99	96.06	7.8	33.31	8.1	24.2	2.90
A1	15 Dec 2025	17	16.79	95.27	7.7	33.31	8.1	24.3	4.37
A1	15 Dec 2025	18	16.46	94.33	7.7	33.30	8.0	24.3	2.30
A1	15 Dec 2025	19	16.32	94.3	7.5	33.30	8.0	24.4	3.82
A1	23 Dec 2025	1	17.19	98.12	8.0	33.33	8.1	24.2	0.52
A1	23 Dec 2025	2	17.19	97.95	8.0	33.33	8.1	24.2	0.52
A1	23 Dec 2025	3	17.19	98.02	8.0	33.33	8.1	24.2	0.50
A1	23 Dec 2025	4	17.01	98.1	7.9	33.31	8.1	24.2	0.51
A1	23 Dec 2025	5	16.67	97.93	7.9	33.30	8.1	24.3	0.56
A1	23 Dec 2025	6	16.50	97.68	7.8	33.28	8.1	24.3	0.60
A1	23 Dec 2025	7	16.24	97.46	7.8	33.28	8.0	24.4	0.61
A1	23 Dec 2025	8	16.25	97.4	7.8	33.27	8.0	24.4	0.63
A1	23 Dec 2025	9	16.06	97.34	7.8	33.26	8.0	24.4	0.64

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
A1	23 Dec 2025	10	15.80	97.15	7.8	33.26	8.0	24.5	1.05
A1	23 Dec 2025	11	15.74	96.23	7.7	33.26	8.0	24.5	1.25
A1	23 Dec 2025	12	15.39	94.11	7.6	33.26	8.0	24.5	1.27
A1	23 Dec 2025	13	15.14	95.43	7.6	33.23	8.0	24.6	1.23
A1	23 Dec 2025	14	14.89	96.01	7.6	33.21	8.0	24.6	1.25
A1	23 Dec 2025	15	14.69	96.3	7.7	33.20	8.0	24.7	1.28
A1	23 Dec 2025	16	14.51	96.66	7.7	33.20	8.0	24.7	1.32
A1	23 Dec 2025	17	14.22	96.57	7.6	33.20	8.0	24.8	1.31
A1	23 Dec 2025	18	14.03	96.41	7.5	33.21	8.0	24.8	1.25
A1	23 Dec 2025	19	14.01	96.38	7.5	33.20	8.0	24.8	1.14
A1	29 Dec 2025	1	16.82	89.95	7.7	33.29	8.1	24.2	0.81
A1	29 Dec 2025	2	16.83	88.7	7.7	33.29	8.1	24.2	0.84
A1	29 Dec 2025	3	16.83	87.63	7.7	33.29	8.1	24.2	0.82
A1	29 Dec 2025	4	16.83	88.83	7.7	33.29	8.1	24.2	0.86
A1	29 Dec 2025	5	16.83	89.52	7.7	33.29	8.1	24.2	0.88
A1	29 Dec 2025	6	16.83	89.39	7.7	33.29	8.1	24.2	0.89
A1	29 Dec 2025	7	16.83	89.63	7.6	33.29	8.1	24.2	0.86
A1	29 Dec 2025	8	16.83	89.61	7.6	33.29	8.1	24.2	0.85
A1	29 Dec 2025	9	16.83	89.66	7.7	33.29	8.1	24.2	0.86
A1	29 Dec 2025	10	16.82	89.68	7.7	33.29	8.1	24.2	0.86
A1	29 Dec 2025	11	16.82	89.79	7.7	33.29	8.1	24.2	1.17
A1	29 Dec 2025	12	16.82	89.85	7.6	33.29	8.1	24.2	1.37
A1	29 Dec 2025	13	16.82	89.74	7.6	33.29	8.1	24.2	1.26
A1	29 Dec 2025	14	16.81	89.62	7.6	33.29	8.1	24.2	1.26
A1	29 Dec 2025	15	16.79	83.08	7.6	33.29	8.1	24.3	1.37
A1	29 Dec 2025	16	16.66	82.84	7.4	33.28	8.1	24.3	1.30
A1	29 Dec 2025	17	16.02	85.13	7.3	33.26	8.1	24.4	1.21
A1	29 Dec 2025	18	15.67	86.49	7.3	33.29	8.0	24.5	1.03
C4	02 Dec 2025	1	17.16	89.57	7.7	33.24	8.1	24.1	0.91
C4	02 Dec 2025	2	17.15	89.36	7.7	33.24	8.1	24.1	0.92
C4	02 Dec 2025	3	17.14	89.27	7.7	33.24	8.1	24.1	0.95
C4	02 Dec 2025	4	17.14	88.91	7.7	33.24	8.1	24.1	0.87
C4	02 Dec 2025	5	17.15	87.81	7.7	33.24	8.1	24.1	0.82
C4	02 Dec 2025	6	17.15	87.36	7.7	33.24	8.1	24.1	0.91
C4	02 Dec 2025	7	17.14	87.66	7.7	33.24	8.1	24.1	0.87
C4	02 Dec 2025	8	17.14	87.17	7.7	33.24	8.1	24.1	0.86
C4	02 Dec 2025	9	17.14	86.35	7.7	33.24	8.1	24.1	0.80
C4	02 Dec 2025	10	17.14	86.01	7.7	33.24	8.1	24.1	0.77
C4	02 Dec 2025	11	17.14	85.4	7.6	33.24	8.1	24.1	0.75
C4	02 Dec 2025	12	17.14	84.23	7.6	33.24	8.1	24.1	0.79
C4	08 Dec 2025	1	17.31	91.9	7.5	33.31	8.1	24.1	0.69
C4	08 Dec 2025	2	17.30	91.81	7.5	33.31	8.1	24.1	0.69
C4	08 Dec 2025	3	17.25	91.79	7.6	33.31	8.1	24.2	0.88
C4	08 Dec 2025	4	17.22	91.69	7.7	33.31	8.1	24.2	1.15
C4	08 Dec 2025	5	17.20	91.86	7.7	33.31	8.1	24.2	1.28
C4	08 Dec 2025	6	17.18	92.11	7.6	33.31	8.1	24.2	1.13
C4	08 Dec 2025	7	17.11	92.38	7.3	33.30	8.1	24.2	0.80
C4	08 Dec 2025	8	17.09	88.44	7.2	33.31	8.0	24.2	0.66
C4	08 Dec 2025	9	17.02	82.8	6.9	33.30	8.0	24.2	0.68
C4	08 Dec 2025	10	16.95	81.1	6.6	33.29	8.0	24.2	0.76
C4	08 Dec 2025	11	16.93	77.1	6.4	33.29	8.0	24.2	0.54
C4	08 Dec 2025	12	16.92	70.92	6.4	33.29	8.0	24.2	0.49
C4	15 Dec 2025	1	16.84	90.19	7.4	33.31	8.0	24.3	0.87
C4	15 Dec 2025	2	16.83	90.19	7.4	33.31	8.0	24.3	0.86
C4	15 Dec 2025	3	16.83	90.09	7.4	33.31	8.0	24.3	0.95
C4	15 Dec 2025	4	16.83	89.99	7.4	33.31	8.0	24.3	1.04
C4	15 Dec 2025	5	16.83	89.78	7.3	33.31	8.0	24.3	1.07
C4	15 Dec 2025	6	16.82	89.63	7.3	33.31	8.0	24.3	1.08
C4	15 Dec 2025	7	16.82	89.72	7.3	33.31	8.0	24.3	1.03
C4	15 Dec 2025	8	16.82	89.55	7.3	33.31	8.0	24.3	0.98
C4	15 Dec 2025	9	16.82	89.58	7.3	33.31	8.0	24.3	1.00
C4	15 Dec 2025	10	16.82	89.53	7.3	33.31	8.0	24.3	0.92
C4	15 Dec 2025	11	16.82	89.65	7.3	33.31	8.0	24.3	0.92
C4	23 Dec 2025	1	16.85	93.98	7.7	33.32	8.0	24.3	0.55
C4	23 Dec 2025	2	16.85	93.45	7.7	33.32	8.0	24.3	0.55
C4	23 Dec 2025	3	16.87	93.45	7.7	33.32	8.1	24.3	0.56
C4	23 Dec 2025	4	16.88	94.19	7.7	33.32	8.1	24.3	0.57
C4	23 Dec 2025	5	16.88	94.76	7.7	33.32	8.1	24.3	0.60
C4	23 Dec 2025	6	16.88	94.85	7.7	33.32	8.1	24.3	0.60

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
C4	23 Dec 2025	7	16.88	94.8	7.7	33.32	8.1	24.3	0.62
C4	23 Dec 2025	8	16.88	94.81	7.7	33.32	8.1	24.3	0.64
C4	23 Dec 2025	9	16.88	94.94	7.7	33.32	8.1	24.3	0.62
C4	23 Dec 2025	10	16.88	94.82	7.7	33.32	8.1	24.3	0.63
C4	23 Dec 2025	11	16.87	94.38	7.7	33.32	8.1	24.3	0.62
C4	23 Dec 2025	12	16.87	93.79	7.7	33.32	8.0	24.3	0.59
C4	29 Dec 2025	1	16.82	89.02	7.2	33.29	8.0	24.2	0.39
C4	29 Dec 2025	2	16.82	88.89	7.2	33.29	8.0	24.2	0.38
C4	29 Dec 2025	3	16.81	88.8	7.2	33.29	8.0	24.2	0.36
C4	29 Dec 2025	4	16.80	88.55	7.2	33.29	8.0	24.2	0.39
C4	29 Dec 2025	5	16.78	88.23	7.2	33.29	8.0	24.3	0.46
C4	29 Dec 2025	6	16.75	88.11	7.1	33.30	8.0	24.3	0.53
C4	29 Dec 2025	7	16.70	87.65	7.1	33.30	8.0	24.3	0.55
C4	29 Dec 2025	8	16.58	85.85	7.0	33.32	8.0	24.3	0.51
C4	29 Dec 2025	9	16.51	77.36	7.0	33.33	8.0	24.3	0.51
C4	29 Dec 2025	10	16.51	61.42	7.0	33.33	8.0	24.3	0.59
A7	02 Dec 2025	1	17.12	91.8	7.9	33.24	8.1	24.1	1.48
A7	02 Dec 2025	2	17.12	91.79	7.9	33.24	8.1	24.1	1.47
A7	02 Dec 2025	3	17.12	91.64	7.9	33.24	8.1	24.1	1.42
A7	02 Dec 2025	4	17.12	91.86	7.9	33.24	8.1	24.1	1.44
A7	02 Dec 2025	5	17.12	91.86	7.9	33.24	8.1	24.1	1.37
A7	02 Dec 2025	6	17.11	91.96	7.9	33.24	8.1	24.1	1.39
A7	02 Dec 2025	7	17.11	91.77	7.9	33.24	8.1	24.1	1.40
A7	02 Dec 2025	8	17.09	91.93	7.9	33.24	8.1	24.1	1.29
A7	02 Dec 2025	9	17.07	92.29	7.9	33.25	8.1	24.2	1.16
A7	02 Dec 2025	10	17.06	92.89	7.9	33.25	8.1	24.2	1.10
A7	02 Dec 2025	11	17.05	93.27	7.9	33.25	8.1	24.2	1.15
A7	02 Dec 2025	12	17.04	93.39	7.9	33.25	8.1	24.2	1.13
A7	02 Dec 2025	13	17.02	93.49	7.9	33.25	8.1	24.2	1.09
A7	02 Dec 2025	14	17.01	93.51	7.9	33.25	8.1	24.2	1.09
A7	02 Dec 2025	15	17.01	93.49	7.9	33.25	8.1	24.2	1.13
A7	02 Dec 2025	16	17.01	93.57	7.9	33.25	8.1	24.2	1.12
A7	02 Dec 2025	17	17.01	93.57	7.9	33.25	8.1	24.2	1.24
A7	02 Dec 2025	18	17.00	93.52	7.9	33.25	8.1	24.2	1.05
A7	02 Dec 2025	19	16.97	93.58	7.8	33.25	8.1	24.2	0.92
A7	02 Dec 2025	20	16.96	93.32	7.7	33.25	8.1	24.2	0.76
A7	08 Dec 2025	1	17.17	95.9	7.7	33.31	8.1	24.2	0.74
A7	08 Dec 2025	2	17.17	95.97	7.7	33.31	8.1	24.2	0.74
A7	08 Dec 2025	3	17.17	95.66	7.7	33.31	8.1	24.2	0.76
A7	08 Dec 2025	4	17.16	95.9	7.7	33.31	8.1	24.2	0.80
A7	08 Dec 2025	5	17.12	95.86	7.7	33.31	8.1	24.2	0.86
A7	08 Dec 2025	6	17.09	95.94	7.7	33.31	8.1	24.2	0.92
A7	08 Dec 2025	7	17.08	95.87	7.8	33.30	8.1	24.2	0.96
A7	08 Dec 2025	8	17.07	95.89	7.7	33.30	8.1	24.2	0.99
A7	08 Dec 2025	9	17.08	95.89	7.7	33.30	8.1	24.2	1.03
A7	08 Dec 2025	10	17.08	95.93	7.7	33.30	8.1	24.2	0.97
A7	08 Dec 2025	11	17.05	95.63	7.7	33.30	8.1	24.2	0.97
A7	08 Dec 2025	12	17.03	95.89	7.7	33.30	8.1	24.2	1.03
A7	08 Dec 2025	13	17.01	95.85	7.8	33.30	8.1	24.2	1.02
A7	08 Dec 2025	14	17.00	95.81	7.8	33.30	8.1	24.2	1.04
A7	08 Dec 2025	15	17.00	95.75	7.8	33.29	8.1	24.2	1.05
A7	08 Dec 2025	16	16.96	95.94	7.7	33.29	8.1	24.2	1.02
A7	08 Dec 2025	17	16.94	95.94	7.7	33.29	8.1	24.2	0.96
A7	08 Dec 2025	18	16.88	95.92	7.6	33.29	8.1	24.2	0.85
A7	08 Dec 2025	19	16.58	96.02	7.4	33.28	8.1	24.3	0.79
A7	15 Dec 2025	1	17.07	96.94	8.0	33.31	8.1	24.2	0.89
A7	15 Dec 2025	2	17.04	96.98	8.0	33.31	8.1	24.2	0.89
A7	15 Dec 2025	3	17.00	96.77	8.0	33.31	8.1	24.2	0.93
A7	15 Dec 2025	4	17.00	96.52	8.0	33.31	8.1	24.2	0.96
A7	15 Dec 2025	5	16.98	96.49	8.0	33.31	8.1	24.2	0.96
A7	15 Dec 2025	6	16.96	96.28	8.0	33.30	8.1	24.2	0.98
A7	15 Dec 2025	7	16.86	96.01	7.9	33.30	8.1	24.2	1.00
A7	15 Dec 2025	8	16.87	95.83	7.9	33.30	8.1	24.2	1.01
A7	15 Dec 2025	9	16.80	95.76	7.8	33.30	8.1	24.3	0.94
A7	15 Dec 2025	10	16.77	95.85	7.8	33.30	8.1	24.3	0.89
A7	15 Dec 2025	11	16.67	95.79	7.7	33.30	8.0	24.3	0.85
A7	15 Dec 2025	12	16.58	96.02	7.7	33.30	8.0	24.3	0.76
A7	15 Dec 2025	13	16.37	96.01	7.5	33.29	8.0	24.3	0.71
A7	15 Dec 2025	14	16.17	96.04	7.4	33.29	8.0	24.4	0.62
A7	15 Dec 2025	15	16.13	96.06	7.4	33.29	8.0	24.4	0.58

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
A7	15 Dec 2025	16	16.07	96.03	7.4	33.29	8.0	24.4	0.59
A7	15 Dec 2025	17	16.05	95.79	7.4	33.29	8.0	24.4	0.57
A7	15 Dec 2025	18	16.05	95.9	7.4	33.29	8.0	24.4	0.58
A7	23 Dec 2025	1	17.21	95.95	8.0	33.33	8.1	24.2	0.61
A7	23 Dec 2025	2	17.21	95.17	8.0	33.33	8.1	24.2	0.58
A7	23 Dec 2025	3	17.21	96.66	8.0	33.33	8.1	24.2	0.56
A7	23 Dec 2025	4	17.20	97.19	8.0	33.33	8.1	24.2	0.57
A7	23 Dec 2025	5	17.21	97.29	7.9	33.33	8.1	24.2	0.56
A7	23 Dec 2025	6	17.20	97.3	7.9	33.33	8.1	24.2	0.56
A7	23 Dec 2025	7	17.16	97.29	7.9	33.33	8.1	24.2	0.57
A7	23 Dec 2025	8	16.98	97.21	7.8	33.31	8.1	24.2	0.57
A7	23 Dec 2025	9	16.31	97.24	7.7	33.28	8.0	24.4	0.54
A7	23 Dec 2025	10	16.00	97.21	7.6	33.27	8.0	24.4	0.50
A7	23 Dec 2025	11	15.47	97.07	7.5	33.20	8.0	24.5	0.55
A7	23 Dec 2025	12	14.17	96.85	7.6	33.22	8.0	24.8	0.58
A7	23 Dec 2025	13	14.14	96.61	7.5	33.21	8.0	24.8	0.62
A7	23 Dec 2025	14	14.06	96.52	7.4	33.20	8.0	24.8	0.59
A7	23 Dec 2025	15	13.96	96.5	7.4	33.22	8.0	24.8	0.57
A7	23 Dec 2025	16	13.85	96.49	7.3	33.23	8.0	24.8	0.56
A7	23 Dec 2025	17	13.80	96.32	7.2	33.24	7.9	24.9	0.52
A7	23 Dec 2025	18	13.79	96.25	7.2	33.24	7.9	24.9	0.55
A7	23 Dec 2025	19	13.77	96.24	7.2	33.24	7.9	24.9	0.51
A7	29 Dec 2025	1	16.85	91.29	7.6	33.29	8.1	24.2	0.77
A7	29 Dec 2025	2	16.84	91.16	7.6	33.29	8.1	24.2	0.77
A7	29 Dec 2025	3	16.85	90.85	7.6	33.29	8.1	24.2	0.79
A7	29 Dec 2025	4	16.85	90.99	7.6	33.29	8.1	24.2	0.81
A7	29 Dec 2025	5	16.85	91.05	7.6	33.29	8.1	24.2	0.79
A7	29 Dec 2025	6	16.84	90.99	7.6	33.29	8.1	24.2	0.80
A7	29 Dec 2025	7	16.84	90.94	7.6	33.29	8.1	24.2	0.78
A7	29 Dec 2025	8	16.84	91.06	7.6	33.29	8.1	24.2	0.77
A7	29 Dec 2025	9	16.84	91.06	7.6	33.29	8.1	24.2	0.76
A7	29 Dec 2025	10	16.83	91.17	7.6	33.29	8.1	24.2	0.75
A7	29 Dec 2025	11	16.83	91.14	7.6	33.30	8.1	24.2	0.76
A7	29 Dec 2025	12	16.83	91.25	7.6	33.29	8.1	24.2	0.73
A7	29 Dec 2025	13	16.83	91.18	7.6	33.29	8.1	24.2	0.74
A7	29 Dec 2025	14	16.83	91.18	7.6	33.30	8.1	24.2	0.76
A7	29 Dec 2025	15	16.83	91.17	7.6	33.29	8.1	24.2	0.75
A7	29 Dec 2025	16	16.83	91.25	7.5	33.29	8.1	24.2	0.77
A7	29 Dec 2025	17	16.76	91.29	7.5	33.29	8.1	24.3	0.73
A7	29 Dec 2025	18	16.35	91.35	7.2	33.28	8.1	24.3	0.67
A7	29 Dec 2025	19	15.70	91.8	7.1	33.28	8.0	24.5	0.50
C5	02 Dec 2025	1	17.21	69.31	6.1	33.24	7.9	24.1	0.76
C5	02 Dec 2025	2	17.20	68.97	6.1	33.24	7.9	24.1	0.79
C5	02 Dec 2025	3	17.18	69	6.1	33.24	7.9	24.1	0.88
C5	02 Dec 2025	4	17.17	69.05	6.2	33.24	7.9	24.1	0.90
C5	02 Dec 2025	5	17.17	69.74	6.2	33.24	8.0	24.1	0.90
C5	02 Dec 2025	6	17.17	71.52	6.3	33.24	8.0	24.1	0.89
C5	02 Dec 2025	7	17.16	72.45	6.3	33.25	8.0	24.1	0.90
C5	02 Dec 2025	8	17.15	73.19	6.2	33.25	8.0	24.1	0.84
C5	02 Dec 2025	9	17.14	65.91	6.0	33.25	8.0	24.1	0.83
C5	02 Dec 2025	10	17.13	51.9	6.0	33.25	8.0	24.1	0.91
C5	02 Dec 2025	11	17.11	42.23	5.8	33.24	8.0	24.1	0.98
C5	08 Dec 2025	1	17.23	91.62	7.5	33.32	8.1	24.2	0.65
C5	08 Dec 2025	2	17.22	91.53	7.6	33.31	8.1	24.2	0.68
C5	08 Dec 2025	3	17.20	91.61	7.6	33.31	8.1	24.2	0.78
C5	08 Dec 2025	4	17.18	91.74	7.5	33.31	8.1	24.2	0.93
C5	08 Dec 2025	5	17.14	91.18	7.3	33.31	8.1	24.2	0.83
C5	08 Dec 2025	6	17.08	90.05	7.1	33.31	8.0	24.2	0.76
C5	08 Dec 2025	7	16.98	89.15	6.9	33.30	8.0	24.2	0.69
C5	08 Dec 2025	8	16.96	86.94	6.7	33.30	8.0	24.2	0.67
C5	08 Dec 2025	9	16.95	76.93	6.5	33.30	8.0	24.2	0.66
C5	08 Dec 2025	10	16.95	62.25	6.4	33.30	8.0	24.2	0.72
C5	08 Dec 2025	11	16.94	49.14	6.3	33.30	8.0	24.2	1.48
C5	15 Dec 2025	1	16.83	87.95	6.8	33.31	8.0	24.3	0.77
C5	15 Dec 2025	2	16.83	88.07	6.8	33.31	8.0	24.3	0.78
C5	15 Dec 2025	3	16.82	87.91	6.8	33.31	8.0	24.3	0.90
C5	15 Dec 2025	4	16.80	87.79	6.8	33.31	8.0	24.3	0.93
C5	15 Dec 2025	5	16.74	88.09	6.8	33.30	8.0	24.3	0.89
C5	15 Dec 2025	6	16.63	88.62	6.3	33.30	8.0	24.3	0.74

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
C5	15 Dec 2025	7	16.50	85.03	6.1	33.30	7.9	24.3	0.58
C5	15 Dec 2025	8	16.40	79.22	6.3	33.29	8.0	24.3	0.54
C5	15 Dec 2025	9	16.41	73.42	6.2	33.29	7.9	24.3	0.57
C5	15 Dec 2025	10	16.40	55.61	6.1	33.29	7.9	24.3	0.67
C5	23 Dec 2025	1	17.02	NA	7.7	33.28	8.1	24.2	0.54
C5	23 Dec 2025	2	17.01	85.48	7.7	33.33	8.1	24.2	0.52
C5	23 Dec 2025	3	17.01	89.9	7.8	33.32	8.1	24.2	0.54
C5	23 Dec 2025	4	17.01	89.36	7.7	33.33	8.1	24.2	0.54
C5	23 Dec 2025	5	17.02	95.4	7.7	33.33	8.1	24.2	0.57
C5	23 Dec 2025	6	17.02	95.35	7.7	33.33	8.1	24.2	0.59
C5	23 Dec 2025	7	17.01	95.41	7.7	33.33	8.1	24.2	0.60
C5	23 Dec 2025	8	17.01	95.45	7.7	33.33	8.1	24.2	0.60
C5	23 Dec 2025	9	17.01	95.53	7.8	33.33	8.1	24.2	0.60
C5	23 Dec 2025	10	17.02	95.31	7.7	33.34	8.1	24.2	0.61
C5	23 Dec 2025	11	17.04	94.81	7.7	33.34	8.1	24.2	0.61
C5	29 Dec 2025	1	16.75	88.38	6.8	33.29	8.0	24.3	0.32
C5	29 Dec 2025	2	16.74	88.3	6.8	33.29	8.0	24.3	0.32
C5	29 Dec 2025	3	16.71	87.75	6.8	33.29	8.0	24.3	0.32
C5	29 Dec 2025	4	16.70	86.92	6.8	33.29	8.0	24.3	0.36
C5	29 Dec 2025	5	16.69	86.05	6.7	33.29	8.0	24.3	0.41
C5	29 Dec 2025	6	16.68	86.1	6.7	33.29	8.0	24.3	0.42
C5	29 Dec 2025	7	16.68	86.49	6.8	33.29	8.0	24.3	0.43
C5	29 Dec 2025	8	16.68	86.39	6.8	33.30	8.0	24.3	0.42
C5	29 Dec 2025	9	16.68	83.52	6.8	33.30	8.0	24.3	0.42
C5	29 Dec 2025	10	16.68	74.33	6.7	33.30	8.0	24.3	0.50
A6	02 Dec 2025	1	17.26	92.79	7.8	33.25	8.1	24.1	1.18
A6	02 Dec 2025	2	17.26	92.78	7.8	33.26	8.1	24.1	1.22
A6	02 Dec 2025	3	17.26	92.74	7.8	33.26	8.1	24.1	1.23
A6	02 Dec 2025	4	17.26	92.75	7.8	33.26	8.1	24.1	1.32
A6	02 Dec 2025	5	17.26	92.73	7.8	33.26	8.1	24.1	1.29
A6	02 Dec 2025	6	17.26	92.76	7.8	33.26	8.1	24.1	1.21
A6	02 Dec 2025	7	17.26	92.81	7.8	33.26	8.1	24.1	1.26
A6	02 Dec 2025	8	17.25	92.74	7.7	33.25	8.1	24.1	1.16
A6	02 Dec 2025	9	17.25	92.51	7.7	33.25	8.1	24.1	1.11
A6	02 Dec 2025	10	17.23	91.99	7.6	33.25	8.1	24.1	1.20
A6	02 Dec 2025	11	17.22	90.79	7.5	33.25	8.1	24.1	1.13
A6	02 Dec 2025	12	17.20	90.17	7.4	33.25	8.0	24.1	1.12
A6	02 Dec 2025	13	17.20	89.6	7.4	33.25	8.0	24.1	1.12
A6	02 Dec 2025	14	17.20	88.83	7.3	33.25	8.0	24.1	1.18
A6	02 Dec 2025	15	17.19	88.15	7.3	33.25	8.0	24.1	1.15
A6	02 Dec 2025	16	17.18	87	7.3	33.25	8.0	24.1	1.09
A6	02 Dec 2025	17	17.18	87.13	7.3	33.25	8.0	24.1	1.77
A6	02 Dec 2025	18	17.16	88.07	7.3	33.25	8.0	24.1	1.04
A6	02 Dec 2025	19	17.11	88.91	7.3	33.25	8.0	24.1	0.89
A6	02 Dec 2025	20	17.06	89.3	7.3	33.26	8.0	24.2	0.75
A6	08 Dec 2025	1	17.06	94.59	7.7	33.30	8.1	24.2	0.95
A6	08 Dec 2025	2	17.06	94.77	7.7	33.30	8.1	24.2	0.93
A6	08 Dec 2025	3	17.05	94.81	7.7	33.30	8.1	24.2	0.97
A6	08 Dec 2025	4	17.04	95.01	7.7	33.30	8.1	24.2	1.04
A6	08 Dec 2025	5	17.04	95.09	7.7	33.30	8.1	24.2	1.05
A6	08 Dec 2025	6	17.03	95.17	7.7	33.30	8.1	24.2	1.07
A6	08 Dec 2025	7	17.03	95.27	7.7	33.30	8.1	24.2	1.08
A6	08 Dec 2025	8	17.03	95.28	7.7	33.30	8.1	24.2	1.05
A6	08 Dec 2025	9	17.02	95.3	7.7	33.30	8.1	24.2	1.00
A6	08 Dec 2025	10	17.02	95.44	7.7	33.30	8.1	24.2	0.97
A6	08 Dec 2025	11	17.00	95.29	7.7	33.30	8.1	24.2	0.96
A6	08 Dec 2025	12	16.97	95.52	7.6	33.29	8.1	24.2	0.86
A6	08 Dec 2025	13	16.91	95.47	7.5	33.29	8.1	24.2	0.80
A6	08 Dec 2025	14	16.87	95.55	7.4	33.29	8.1	24.2	0.74
A6	08 Dec 2025	15	16.83	95.52	7.3	33.28	8.1	24.2	0.72
A6	08 Dec 2025	16	16.78	95.49	7.3	33.28	8.0	24.2	0.70
A6	08 Dec 2025	17	16.71	95.47	7.2	33.28	8.0	24.3	0.67
A6	08 Dec 2025	18	16.63	95.33	7.2	33.28	8.0	24.3	0.66
A6	08 Dec 2025	19	16.61	95.24	7.2	33.28	8.0	24.3	0.62
A6	08 Dec 2025	20	16.57	95.15	7.1	33.28	8.0	24.3	0.53
A6	08 Dec 2025	21	16.45	94.99	7.0	33.28	8.0	24.3	0.42
A6	15 Dec 2025	1	17.00	95.02	8.0	33.31	8.1	24.2	1.13
A6	15 Dec 2025	2	17.00	94.81	8.0	33.31	8.1	24.2	0.92
A6	15 Dec 2025	3	16.96	95.75	8.0	33.31	8.1	24.2	0.95

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
A6	15 Dec 2025	4	16.94	95.92	8.0	33.31	8.1	24.2	1.02
A6	15 Dec 2025	5	16.90	95.94	8.0	33.30	8.1	24.2	1.00
A6	15 Dec 2025	6	16.86	96.05	7.9	33.30	8.1	24.2	1.01
A6	15 Dec 2025	7	16.78	96.12	7.8	33.30	8.1	24.3	0.90
A6	15 Dec 2025	8	16.58	96.15	7.7	33.29	8.1	24.3	0.80
A6	15 Dec 2025	9	16.56	96.27	7.6	33.29	8.0	24.3	0.73
A6	15 Dec 2025	10	16.50	96.23	7.6	33.29	8.0	24.3	0.70
A6	15 Dec 2025	11	16.46	96	7.6	33.29	8.0	24.3	0.67
A6	15 Dec 2025	12	16.42	95.74	7.5	33.29	8.0	24.3	0.65
A6	15 Dec 2025	13	16.36	95.81	7.4	33.29	8.0	24.3	0.62
A6	15 Dec 2025	14	16.34	95.97	7.4	33.29	8.0	24.4	0.60
A6	15 Dec 2025	15	16.30	96.09	7.4	33.29	8.0	24.4	0.58
A6	15 Dec 2025	16	16.26	96.1	7.4	33.29	8.0	24.4	0.57
A6	15 Dec 2025	17	16.25	96.18	7.4	33.29	8.0	24.4	0.56
A6	15 Dec 2025	18	16.18	96.28	7.3	33.28	8.0	24.4	0.55
A6	15 Dec 2025	19	16.18	96.36	7.3	33.29	8.0	24.4	0.57
A6	23 Dec 2025	1	17.19	96.13	7.9	33.34	8.1	24.2	0.76
A6	23 Dec 2025	2	17.19	96.11	7.9	33.34	8.1	24.2	0.75
A6	23 Dec 2025	3	17.19	96.57	7.9	33.34	8.1	24.2	0.75
A6	23 Dec 2025	4	17.19	96.67	7.9	33.34	8.1	24.2	0.72
A6	23 Dec 2025	5	17.19	96.67	7.9	33.33	8.1	24.2	0.74
A6	23 Dec 2025	6	17.15	96.81	7.9	33.33	8.1	24.2	0.72
A6	23 Dec 2025	7	17.13	96.8	7.9	33.33	8.1	24.2	0.72
A6	23 Dec 2025	8	17.04	96.82	7.8	33.33	8.1	24.2	0.71
A6	23 Dec 2025	9	16.96	96.36	7.8	33.32	8.1	24.2	0.82
A6	23 Dec 2025	10	16.75	93.09	7.7	33.31	8.1	24.3	0.95
A6	23 Dec 2025	11	16.72	94.82	7.6	33.29	8.1	24.3	0.86
A6	23 Dec 2025	12	15.84	94.69	7.6	33.29	8.0	24.5	0.76
A6	23 Dec 2025	13	15.56	95.91	7.6	33.28	8.0	24.5	0.71
A6	23 Dec 2025	14	15.32	96.04	7.4	33.25	8.0	24.6	0.66
A6	23 Dec 2025	15	14.91	95.62	7.4	33.24	8.0	24.6	0.63
A6	23 Dec 2025	16	14.40	95.79	7.3	33.23	8.0	24.7	0.68
A6	23 Dec 2025	17	14.24	95.71	7.3	33.22	8.0	24.8	0.75
A6	23 Dec 2025	18	14.16	95.96	7.3	33.23	8.0	24.8	0.69
A6	23 Dec 2025	19	14.00	96	7.2	33.23	8.0	24.8	0.67
A6	23 Dec 2025	20	13.89	96.02	7.3	33.23	8.0	24.8	0.65
A6	29 Dec 2025	1	16.91	91.04	7.6	33.30	8.1	24.2	0.74
A6	29 Dec 2025	2	16.91	90.7	7.6	33.30	8.1	24.2	0.74
A6	29 Dec 2025	3	16.92	90.62	7.5	33.30	8.1	24.2	0.72
A6	29 Dec 2025	4	16.92	90.61	7.5	33.30	8.1	24.2	0.73
A6	29 Dec 2025	5	16.91	90.59	7.5	33.30	8.1	24.2	0.76
A6	29 Dec 2025	6	16.91	90.66	7.6	33.30	8.1	24.2	0.76
A6	29 Dec 2025	7	16.91	90.76	7.6	33.30	8.1	24.2	0.80
A6	29 Dec 2025	8	16.92	90.86	7.6	33.30	8.1	24.2	0.85
A6	29 Dec 2025	9	16.92	91.22	7.6	33.30	8.1	24.2	1.36
A6	29 Dec 2025	10	16.92	91.14	7.6	33.30	8.1	24.2	1.44
A6	29 Dec 2025	11	16.92	91.64	7.6	33.30	8.1	24.2	1.37
A6	29 Dec 2025	12	16.91	92.21	7.6	33.30	8.1	24.2	1.36
A6	29 Dec 2025	13	16.91	92.61	7.6	33.30	8.1	24.2	1.34
A6	29 Dec 2025	14	16.91	92.52	7.6	33.30	8.1	24.2	1.36
A6	29 Dec 2025	15	16.91	93.15	7.4	33.31	8.1	24.2	1.32
A6	29 Dec 2025	16	16.91	93.25	7.5	33.30	8.1	24.2	1.32
A6	29 Dec 2025	17	16.90	93.14	7.5	33.31	8.1	24.2	1.32
A6	29 Dec 2025	18	16.85	93.48	7.4	33.33	8.1	24.3	1.31
A6	29 Dec 2025	19	16.35	93.74	7.5	33.33	8.1	24.4	1.13
A6	29 Dec 2025	20	16.25	93.68	7.2	33.30	8.1	24.4	0.55
C6	02 Dec 2025	1	17.23	78.86	6.6	33.25	8.0	24.1	0.63
C6	02 Dec 2025	2	17.23	78.8	6.6	33.25	8.0	24.1	0.61
C6	02 Dec 2025	3	17.22	78.59	6.6	33.25	8.0	24.1	0.68
C6	02 Dec 2025	4	17.21	78.21	6.6	33.25	8.0	24.1	0.69
C6	02 Dec 2025	5	17.20	77.8	6.5	33.25	8.0	24.1	0.64
C6	02 Dec 2025	6	17.20	77.75	6.5	33.25	8.0	24.1	0.61
C6	02 Dec 2025	7	17.16	77.2	6.5	33.25	8.0	24.1	0.61
C6	02 Dec 2025	8	17.11	76.89	6.5	33.25	8.0	24.1	0.57
C6	02 Dec 2025	9	17.05	76.4	6.4	33.25	8.0	24.2	0.55
C6	08 Dec 2025	1	17.13	92.75	7.7	33.30	8.1	24.2	0.74
C6	08 Dec 2025	2	17.13	92.71	7.7	33.30	8.1	24.2	0.79
C6	08 Dec 2025	3	17.12	92.64	7.7	33.30	8.1	24.2	0.86
C6	08 Dec 2025	4	17.12	92.77	7.7	33.30	8.1	24.2	0.96
C6	08 Dec 2025	5	17.11	92.93	7.7	33.30	8.1	24.2	1.07

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
C6	08 Dec 2025	6	17.09	92.89	7.8	33.30	8.1	24.2	1.17
C6	08 Dec 2025	7	17.07	92.67	7.6	33.30	8.1	24.2	1.29
C6	08 Dec 2025	8	16.98	92.5	7.2	33.30	8.0	24.2	0.75
C6	08 Dec 2025	9	16.92	90.34	6.8	33.30	8.0	24.2	0.46
C6	08 Dec 2025	10	16.89	87.05	6.6	33.30	8.0	24.2	0.42
C6	15 Dec 2025	1	16.85	92.53	7.8	33.30	8.1	24.2	1.19
C6	15 Dec 2025	2	16.85	92.63	7.8	33.30	8.1	24.2	1.25
C6	15 Dec 2025	3	16.85	92.58	7.8	33.30	8.1	24.2	1.46
C6	15 Dec 2025	4	16.84	92.49	7.8	33.30	8.1	24.2	1.50
C6	15 Dec 2025	5	16.84	92.61	7.8	33.30	8.1	24.2	1.52
C6	15 Dec 2025	6	16.84	92.79	7.8	33.30	8.1	24.2	1.58
C6	15 Dec 2025	7	16.79	93.02	7.7	33.30	8.1	24.3	1.40
C6	15 Dec 2025	8	16.70	93.85	7.6	33.29	8.0	24.3	0.97
C6	15 Dec 2025	9	16.55	94.7	7.3	33.29	8.0	24.3	0.84
C6	23 Dec 2025	1	17.16	91.54	7.8	33.34	8.1	24.2	0.80
C6	23 Dec 2025	2	17.16	92.21	7.7	33.34	8.1	24.2	0.80
C6	23 Dec 2025	3	17.16	90.63	7.8	33.34	8.1	24.2	0.80
C6	23 Dec 2025	4	17.17	92.37	7.7	33.34	8.1	24.2	0.80
C6	23 Dec 2025	5	17.17	93.82	7.7	33.34	8.1	24.2	0.83
C6	23 Dec 2025	6	17.10	93.77	7.6	33.34	8.1	24.2	0.83
C6	23 Dec 2025	7	16.95	93.52	7.5	33.33	8.0	24.2	0.73
C6	23 Dec 2025	8	16.45	93.93	7.3	33.30	8.0	24.3	0.52
C6	23 Dec 2025	9	16.20	95.67	7.3	33.28	8.0	24.4	0.40
C6	23 Dec 2025	10	16.17	95.44	7.3	33.28	8.0	24.4	0.38
C6	29 Dec 2025	1	16.88	85.58	6.7	33.28	8.0	24.2	0.32
C6	29 Dec 2025	2	16.88	85.38	6.7	33.28	8.0	24.2	0.34
C6	29 Dec 2025	3	16.88	84.01	6.7	33.28	8.0	24.2	0.35
C6	29 Dec 2025	4	16.87	84.19	6.6	33.28	8.0	24.2	0.42
C6	29 Dec 2025	5	16.85	84.03	6.6	33.28	8.0	24.2	0.51
C6	29 Dec 2025	6	16.84	82.92	6.6	33.28	8.0	24.2	0.50
C6	29 Dec 2025	7	16.84	82.21	6.7	33.28	8.0	24.2	0.45
C6	29 Dec 2025	8	16.84	81.85	6.5	33.28	8.0	24.2	0.44
C6	29 Dec 2025	9	16.79	82.06	6.1	33.28	8.0	24.2	0.39
C7	02 Dec 2025	1	17.29	92.03	8.2	33.26	8.1	24.1	1.53
C7	02 Dec 2025	2	17.29	92.16	8.2	33.26	8.1	24.1	1.57
C7	02 Dec 2025	3	17.29	91.87	8.2	33.26	8.1	24.1	1.56
C7	02 Dec 2025	4	17.30	91.98	8.2	33.27	8.1	24.1	1.54
C7	02 Dec 2025	5	17.30	92.15	8.1	33.27	8.1	24.1	1.56
C7	02 Dec 2025	6	17.30	92.42	8.2	33.26	8.1	24.1	1.57
C7	02 Dec 2025	7	17.30	92.39	8.2	33.26	8.1	24.1	1.58
C7	02 Dec 2025	8	17.29	92.47	8.1	33.27	8.1	24.1	1.60
C7	02 Dec 2025	9	17.28	92.83	8.1	33.27	8.1	24.1	1.34
C7	02 Dec 2025	10	17.21	93.46	8.0	33.27	8.1	24.1	1.28
C7	02 Dec 2025	11	17.07	93.98	7.9	33.27	8.1	24.2	1.15
C7	02 Dec 2025	12	17.02	94.86	7.7	33.27	8.1	24.2	1.04
C7	02 Dec 2025	13	16.92	95.05	7.6	33.26	8.1	24.2	0.95
C7	02 Dec 2025	14	16.87	94.91	7.5	33.26	8.1	24.2	0.84
C7	02 Dec 2025	15	16.80	94.78	7.4	33.26	8.1	24.2	0.78
C7	02 Dec 2025	16	16.73	94.64	7.4	33.26	8.1	24.2	0.69
C7	02 Dec 2025	17	16.60	94.49	7.4	33.26	8.1	24.3	0.70
C7	02 Dec 2025	18	16.25	94.61	7.4	33.25	8.1	24.3	0.70
C7	02 Dec 2025	19	16.05	94.25	7.2	33.26	8.0	24.4	0.53
C7	08 Dec 2025	1	17.13	96.41	7.9	33.30	8.1	24.2	0.69
C7	08 Dec 2025	2	17.13	96.33	7.9	33.30	8.1	24.2	0.70
C7	08 Dec 2025	3	17.13	96.43	7.9	33.30	8.1	24.2	0.81
C7	08 Dec 2025	4	17.12	96.43	7.9	33.30	8.1	24.2	0.75
C7	08 Dec 2025	5	17.12	96.32	7.9	33.30	8.1	24.2	0.85
C7	08 Dec 2025	6	17.11	96.25	7.9	33.30	8.1	24.2	0.88
C7	08 Dec 2025	7	17.10	96.4	7.9	33.30	8.1	24.2	0.88
C7	08 Dec 2025	8	17.09	96.45	7.9	33.30	8.1	24.2	0.93
C7	08 Dec 2025	9	17.00	96.47	7.7	33.29	8.1	24.2	0.93
C7	08 Dec 2025	10	16.74	96.27	7.4	33.28	8.1	24.3	0.77
C7	08 Dec 2025	11	16.54	95.24	7.2	33.28	8.0	24.3	0.52
C7	08 Dec 2025	12	16.44	93.46	7.1	33.28	8.0	24.3	0.49
C7	08 Dec 2025	13	16.43	93.07	7.1	33.27	8.0	24.3	0.47
C7	08 Dec 2025	14	16.41	93.1	7.1	33.27	8.0	24.3	0.46
C7	08 Dec 2025	15	16.35	93.09	7.1	33.27	8.0	24.3	0.47
C7	08 Dec 2025	16	16.29	93.45	7.0	33.27	8.0	24.4	0.49
C7	08 Dec 2025	17	16.12	93.7	7.0	33.27	8.0	24.4	0.47

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
C7	08 Dec 2025	18	16.02	93.67	7.0	33.27	8.0	24.4	0.47
C7	08 Dec 2025	19	16.04	93.72	7.0	33.27	8.0	24.4	0.48
C7	15 Dec 2025	1	16.78	91.73	7.9	33.29	8.0	24.3	1.50
C7	15 Dec 2025	2	16.78	91.77	7.9	33.29	8.0	24.3	1.61
C7	15 Dec 2025	3	16.77	91.72	7.8	33.29	8.0	24.3	1.77
C7	15 Dec 2025	4	16.76	91.47	7.9	33.29	8.0	24.3	1.96
C7	15 Dec 2025	5	16.76	91.39	7.9	33.29	8.0	24.3	1.97
C7	15 Dec 2025	6	16.76	91.41	7.8	33.29	8.0	24.3	1.89
C7	15 Dec 2025	7	16.76	91.45	7.8	33.29	8.0	24.3	1.62
C7	15 Dec 2025	8	16.76	91.78	7.8	33.29	8.0	24.3	1.62
C7	15 Dec 2025	9	16.75	91.94	7.8	33.29	8.0	24.3	1.57
C7	15 Dec 2025	10	16.74	92.09	7.8	33.29	8.0	24.3	1.35
C7	15 Dec 2025	11	16.73	92.1	7.7	33.28	8.0	24.3	1.26
C7	15 Dec 2025	12	16.69	92.5	7.7	33.29	8.0	24.3	1.09
C7	15 Dec 2025	13	16.63	93.07	7.6	33.29	8.0	24.3	0.99
C7	15 Dec 2025	14	16.55	93.44	7.5	33.29	8.0	24.3	0.83
C7	15 Dec 2025	15	16.47	94.85	7.4	33.29	8.0	24.3	0.71
C7	15 Dec 2025	16	16.36	95.86	7.3	33.29	8.0	24.3	0.62
C7	15 Dec 2025	17	16.17	96.21	7.1	33.27	8.0	24.4	0.56
C7	15 Dec 2025	18	15.86	96.09	6.9	33.28	8.0	24.5	0.40
C7	23 Dec 2025	1	17.21	94.03	8.0	33.34	8.1	24.2	1.20
C7	23 Dec 2025	2	17.21	94.1	8.0	33.34	8.1	24.2	1.17
C7	23 Dec 2025	3	17.21	94.15	8.0	33.34	8.1	24.2	1.18
C7	23 Dec 2025	4	17.18	94.09	8.0	33.34	8.1	24.2	1.17
C7	23 Dec 2025	5	17.18	94.13	7.9	33.34	8.1	24.2	1.15
C7	23 Dec 2025	6	16.91	94.26	7.7	33.30	8.1	24.2	1.08
C7	23 Dec 2025	7	16.55	94.51	7.5	33.30	8.0	24.3	0.85
C7	23 Dec 2025	8	16.45	94.51	7.3	33.29	8.0	24.3	0.65
C7	23 Dec 2025	9	16.26	94.33	7.2	33.29	8.0	24.4	0.59
C7	23 Dec 2025	10	16.18	93.94	7.2	33.28	8.0	24.4	0.50
C7	23 Dec 2025	11	16.13	93.68	7.2	33.28	8.0	24.4	0.46
C7	23 Dec 2025	12	16.07	93.78	7.3	33.27	8.0	24.4	0.47
C7	23 Dec 2025	13	16.06	95.05	7.3	33.27	8.0	24.4	0.55
C7	23 Dec 2025	14	16.03	95.16	7.3	33.27	8.0	24.4	0.51
C7	23 Dec 2025	15	15.59	94.89	7.4	33.24	8.0	24.5	0.51
C7	23 Dec 2025	16	15.18	95.94	7.5	33.23	8.0	24.6	0.61
C7	23 Dec 2025	17	14.92	96.79	7.5	33.22	8.0	24.6	0.77
C7	23 Dec 2025	18	14.48	96.64	7.5	33.22	8.0	24.7	0.75
C7	23 Dec 2025	19	14.50	96.12	7.4	33.22	8.0	24.7	0.66
C7	29 Dec 2025	1	16.95	96.09	7.9	33.30	8.1	24.2	0.59
C7	29 Dec 2025	2	16.95	96.12	7.9	33.30	8.1	24.2	0.57
C7	29 Dec 2025	3	16.95	95.86	7.9	33.30	8.1	24.2	0.52
C7	29 Dec 2025	4	16.95	95.9	7.9	33.30	8.1	24.2	0.51
C7	29 Dec 2025	5	16.94	95.89	7.9	33.30	8.1	24.2	0.60
C7	29 Dec 2025	6	16.93	95.87	7.9	33.30	8.1	24.2	0.64
C7	29 Dec 2025	7	16.91	95.86	7.8	33.30	8.1	24.2	0.69
C7	29 Dec 2025	8	16.91	95.64	7.8	33.30	8.1	24.2	0.71
C7	29 Dec 2025	9	16.90	95.52	7.8	33.30	8.1	24.2	0.74
C7	29 Dec 2025	10	16.89	95.46	7.8	33.30	8.1	24.2	0.76
C7	29 Dec 2025	11	16.89	95.18	7.8	33.30	8.1	24.2	0.70
C7	29 Dec 2025	12	16.88	95.14	7.8	33.31	8.1	24.2	0.68
C7	29 Dec 2025	13	16.87	95.28	7.7	33.31	8.1	24.2	0.70
C7	29 Dec 2025	14	16.86	95.24	7.7	33.31	8.1	24.2	0.67
C7	29 Dec 2025	15	16.86	95.27	7.7	33.31	8.1	24.2	0.65
C7	29 Dec 2025	16	16.85	95.32	7.7	33.30	8.1	24.2	0.61
C7	29 Dec 2025	17	16.53	95.45	7.4	33.25	8.1	24.3	0.56
C7	29 Dec 2025	18	16.13	95.36	7.3	33.30	8.1	24.4	0.43
C8	02 Dec 2025	1	17.14	91.37	8.0	33.23	8.1	24.1	1.22
C8	02 Dec 2025	2	17.15	91.17	7.9	33.23	8.1	24.1	1.24
C8	02 Dec 2025	3	17.15	91.13	7.9	33.23	8.1	24.1	1.25
C8	02 Dec 2025	4	17.15	91.05	7.9	33.23	8.1	24.1	1.42
C8	02 Dec 2025	5	17.15	91.02	7.9	33.23	8.1	24.1	1.50
C8	02 Dec 2025	6	17.14	91.17	7.9	33.23	8.1	24.1	1.46
C8	02 Dec 2025	7	17.14	91.09	7.9	33.23	8.1	24.1	1.45
C8	02 Dec 2025	8	17.14	91.05	7.9	33.23	8.1	24.1	1.42
C8	02 Dec 2025	9	17.14	91.23	7.9	33.23	8.1	24.1	1.43
C8	02 Dec 2025	10	17.10	91.1	7.9	33.23	8.1	24.1	1.42
C8	02 Dec 2025	11	16.92	91.38	7.8	33.25	8.1	24.2	1.18
C8	02 Dec 2025	12	16.87	92.77	7.7	33.25	8.1	24.2	0.94
C8	02 Dec 2025	13	16.75	93.42	7.7	33.25	8.1	24.2	0.88

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
C8	02 Dec 2025	14	16.65	93.89	7.7	33.26	8.1	24.3	0.85
C8	02 Dec 2025	15	16.64	94.48	7.7	33.26	8.1	24.3	0.84
C8	02 Dec 2025	16	16.64	95.03	7.7	33.26	8.1	24.3	0.85
C8	02 Dec 2025	17	16.59	95.21	7.6	33.26	8.1	24.3	0.82
C8	02 Dec 2025	18	16.37	95.27	7.5	33.25	8.1	24.3	0.75
C8	02 Dec 2025	19	16.04	95.18	7.4	33.25	8.0	24.4	0.63
C8	08 Dec 2025	1	17.08	96.32	7.9	33.30	8.1	24.2	0.79
C8	08 Dec 2025	2	17.08	96.31	7.9	33.30	8.1	24.2	0.81
C8	08 Dec 2025	3	17.07	96.25	7.9	33.30	8.1	24.2	0.79
C8	08 Dec 2025	4	17.07	96.2	7.9	33.30	8.1	24.2	0.84
C8	08 Dec 2025	5	17.07	96.2	8.0	33.30	8.1	24.2	0.91
C8	08 Dec 2025	6	17.06	96.21	8.0	33.30	8.1	24.2	1.02
C8	08 Dec 2025	7	17.05	96.08	7.9	33.30	8.1	24.2	1.06
C8	08 Dec 2025	8	17.05	95.92	7.9	33.30	8.1	24.2	1.13
C8	08 Dec 2025	9	17.04	95.78	7.9	33.30	8.1	24.2	1.18
C8	08 Dec 2025	10	17.03	95.84	7.9	33.30	8.1	24.2	1.12
C8	08 Dec 2025	11	17.02	95.94	7.9	33.30	8.1	24.2	1.06
C8	08 Dec 2025	12	17.00	96.12	7.8	33.30	8.1	24.2	1.03
C8	08 Dec 2025	13	16.80	96.23	7.6	33.28	8.1	24.2	0.82
C8	08 Dec 2025	14	16.65	95.64	7.4	33.28	8.1	24.3	0.63
C8	08 Dec 2025	15	16.58	93.93	7.4	33.27	8.1	24.3	0.57
C8	08 Dec 2025	16	16.53	92.99	7.3	33.27	8.1	24.3	0.55
C8	08 Dec 2025	17	16.54	92.16	7.3	33.27	8.0	24.3	0.54
C8	08 Dec 2025	18	16.53	92.04	7.3	33.27	8.0	24.3	0.55
C8	08 Dec 2025	19	16.53	92.07	7.3	33.27	8.0	24.3	0.53
C8	08 Dec 2025	20	16.55	91.69	7.3	33.27	8.1	24.3	0.55
C8	15 Dec 2025	1	16.86	95.37	8.0	33.30	8.1	24.2	1.00
C8	15 Dec 2025	2	16.85	95.51	8.0	33.30	8.1	24.2	1.05
C8	15 Dec 2025	3	16.83	95.49	7.9	33.30	8.1	24.3	1.11
C8	15 Dec 2025	4	16.82	95.38	7.9	33.30	8.1	24.3	1.17
C8	15 Dec 2025	5	16.81	95.2	7.9	33.30	8.1	24.3	1.20
C8	15 Dec 2025	6	16.81	95.21	7.9	33.30	8.1	24.3	1.24
C8	15 Dec 2025	7	16.79	95.11	7.8	33.30	8.1	24.3	1.23
C8	15 Dec 2025	8	16.78	95.07	7.8	33.30	8.1	24.3	1.19
C8	15 Dec 2025	9	16.74	94.95	7.8	33.30	8.1	24.3	1.13
C8	15 Dec 2025	10	16.73	94.77	7.7	33.30	8.1	24.3	1.13
C8	15 Dec 2025	11	16.68	94.41	7.7	33.30	8.0	24.3	1.08
C8	15 Dec 2025	12	16.64	94.22	7.6	33.29	8.0	24.3	0.96
C8	15 Dec 2025	13	16.54	94.14	7.5	33.28	8.0	24.3	0.90
C8	15 Dec 2025	14	16.33	94.01	7.5	33.28	8.0	24.4	0.80
C8	15 Dec 2025	15	16.28	93.97	7.4	33.28	8.0	24.4	0.74
C8	15 Dec 2025	16	16.26	94.06	7.4	33.28	8.0	24.4	0.74
C8	15 Dec 2025	17	16.15	94.2	7.4	33.28	8.0	24.4	0.70
C8	15 Dec 2025	18	16.11	94.2	7.3	33.28	8.0	24.4	0.63
C8	15 Dec 2025	19	16.07	94.07	7.3	33.28	8.0	24.4	0.57
C8	23 Dec 2025	1	17.16	92.93	7.9	33.33	8.1	24.2	1.22
C8	23 Dec 2025	2	17.16	93.13	7.9	33.33	8.1	24.2	1.21
C8	23 Dec 2025	3	17.17	93.54	7.9	33.33	8.1	24.2	1.22
C8	23 Dec 2025	4	17.17	93.51	7.9	33.33	8.1	24.2	1.21
C8	23 Dec 2025	5	17.17	93.52	7.9	33.33	8.1	24.2	1.23
C8	23 Dec 2025	6	17.17	93.53	7.9	33.33	8.1	24.2	1.22
C8	23 Dec 2025	7	17.17	93.52	7.9	33.33	8.1	24.2	1.24
C8	23 Dec 2025	8	17.17	93.51	7.9	33.33	8.1	24.2	1.23
C8	23 Dec 2025	9	17.11	93.41	7.8	33.32	8.1	24.2	1.22
C8	23 Dec 2025	10	16.86	93.47	7.7	33.31	8.1	24.3	1.12
C8	23 Dec 2025	11	16.59	94.17	7.6	33.30	8.0	24.3	0.99
C8	23 Dec 2025	12	16.39	94.6	7.6	33.29	8.0	24.3	0.88
C8	23 Dec 2025	13	16.21	95.08	7.6	33.27	8.0	24.4	0.86
C8	23 Dec 2025	14	16.00	95.85	7.7	33.26	8.0	24.4	0.87
C8	23 Dec 2025	15	15.85	96.31	7.7	33.25	8.0	24.4	0.83
C8	23 Dec 2025	16	15.58	96.43	7.6	33.25	8.0	24.5	0.78
C8	23 Dec 2025	17	15.29	96.37	7.5	33.24	8.0	24.6	0.73
C8	23 Dec 2025	18	15.18	96.11	7.4	33.24	8.0	24.6	0.67
C8	23 Dec 2025	19	15.11	95.41	7.4	33.24	8.0	24.6	0.60
C8	23 Dec 2025	20	15.10	94.56	7.3	33.24	8.0	24.6	0.57
C8	29 Dec 2025	1	16.90	95.91	7.9	33.29	8.1	24.2	0.62
C8	29 Dec 2025	2	16.90	95.73	7.9	33.29	8.1	24.2	0.60
C8	29 Dec 2025	3	16.90	95.68	7.9	33.29	8.1	24.2	0.59
C8	29 Dec 2025	4	16.90	95.75	7.9	33.29	8.1	24.2	0.67
C8	29 Dec 2025	5	16.89	95.91	7.9	33.29	8.1	24.2	0.70

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
C8	29 Dec 2025	6	16.89	95.78	8.0	33.29	8.1	24.2	0.73
C8	29 Dec 2025	7	16.89	95.71	7.9	33.29	8.1	24.2	0.76
C8	29 Dec 2025	8	16.89	95.68	7.9	33.29	8.1	24.2	0.77
C8	29 Dec 2025	9	16.89	95.62	7.9	33.29	8.1	24.2	0.80
C8	29 Dec 2025	10	16.89	95.7	7.9	33.29	8.1	24.2	0.81
C8	29 Dec 2025	11	16.89	95.77	7.9	33.29	8.1	24.2	0.80
C8	29 Dec 2025	12	16.88	95.88	7.9	33.30	8.1	24.2	0.84
C8	29 Dec 2025	13	16.88	95.74	7.9	33.30	8.1	24.2	0.81
C8	29 Dec 2025	14	16.86	95.77	7.8	33.29	8.1	24.2	0.81
C8	29 Dec 2025	15	16.77	95.87	7.8	33.29	8.1	24.3	0.76
C8	29 Dec 2025	16	16.71	95.86	7.7	33.29	8.1	24.3	0.71
C8	29 Dec 2025	17	16.65	95.85	7.6	33.29	8.1	24.3	0.69
C8	29 Dec 2025	18	16.56	95.86	7.6	33.29	8.1	24.3	0.63
C8	29 Dec 2025	19	16.56	95.99	7.6	33.29	8.1	24.3	0.55

NA = not available

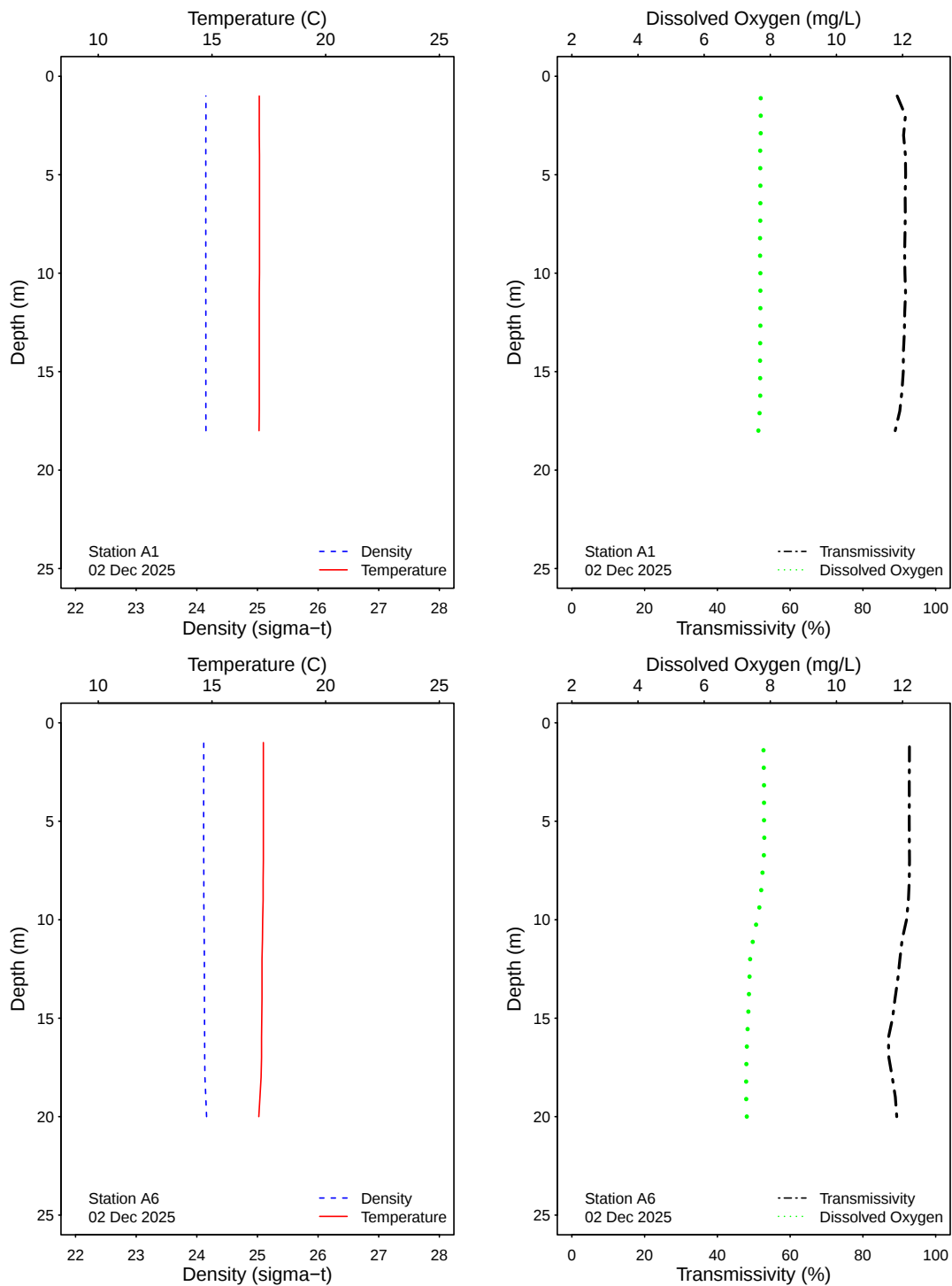


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

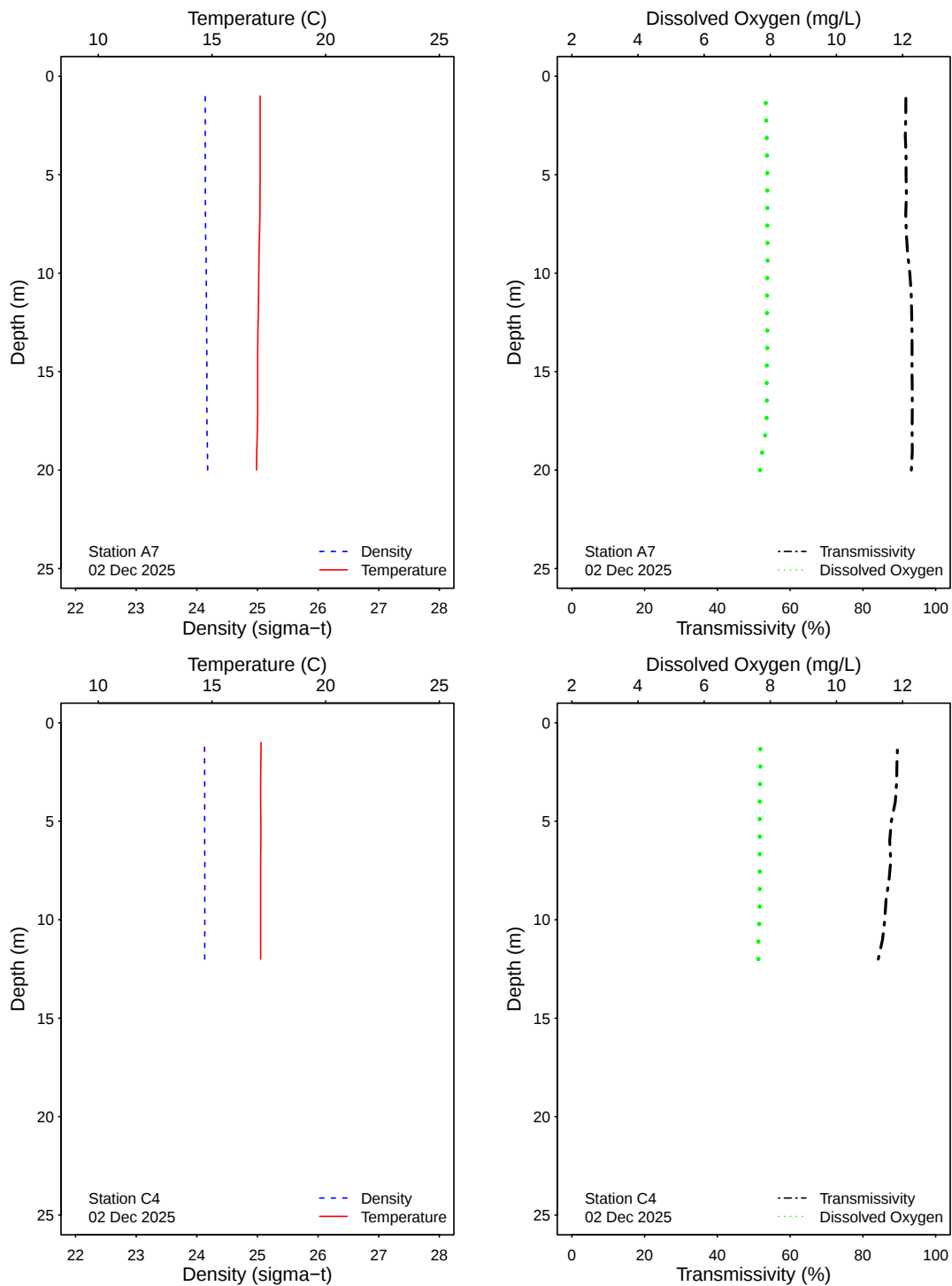


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

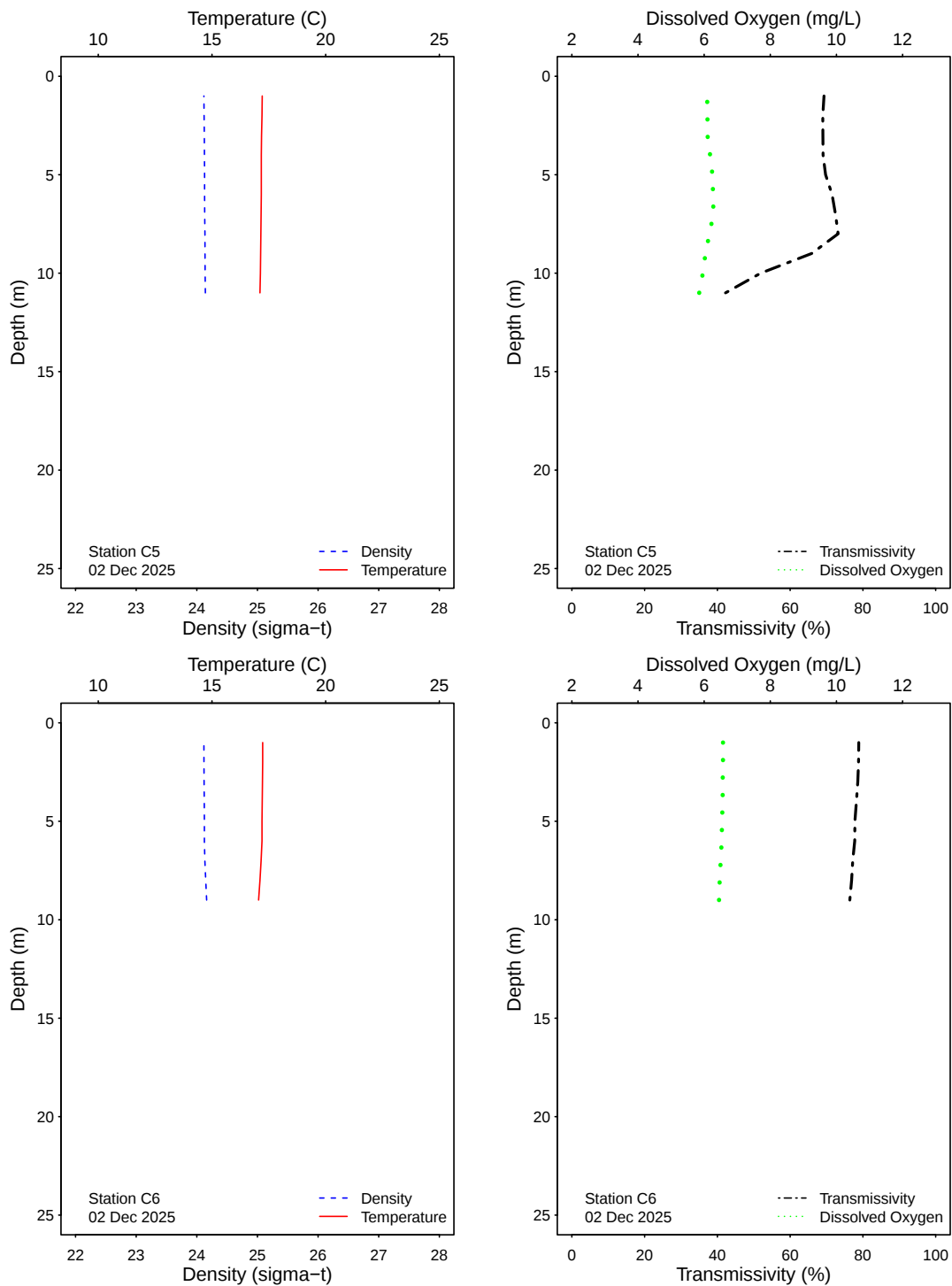


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

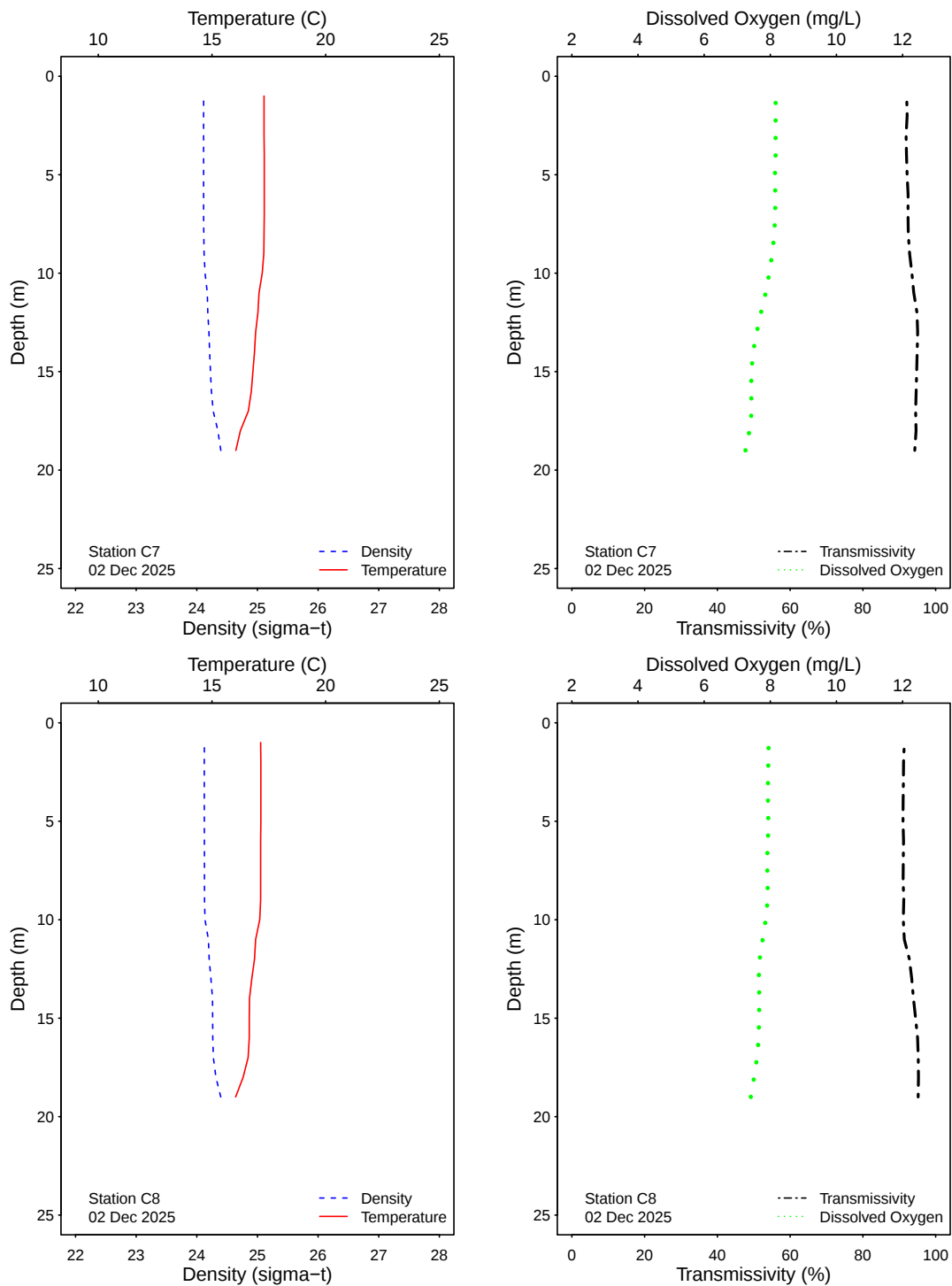


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

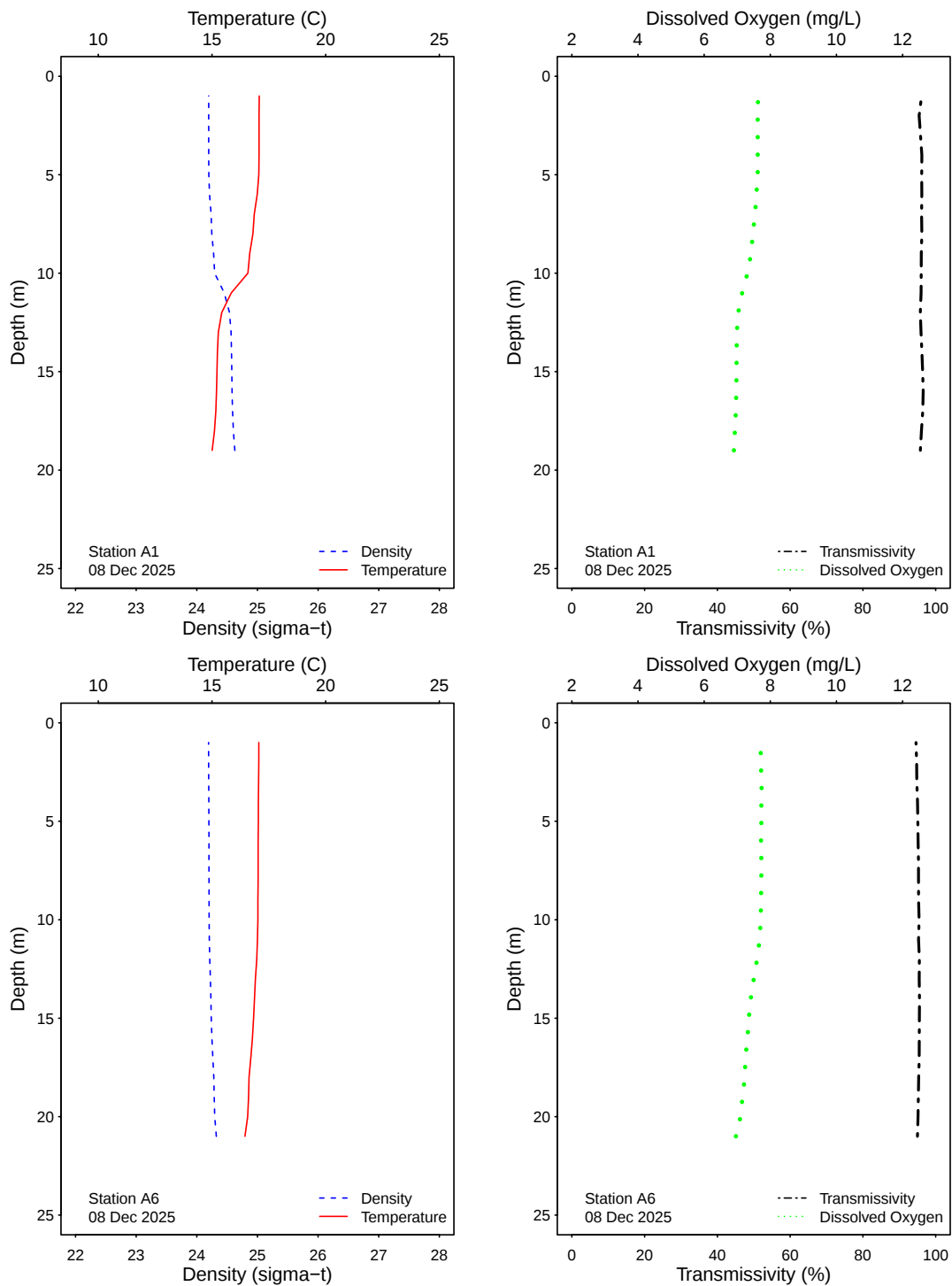


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

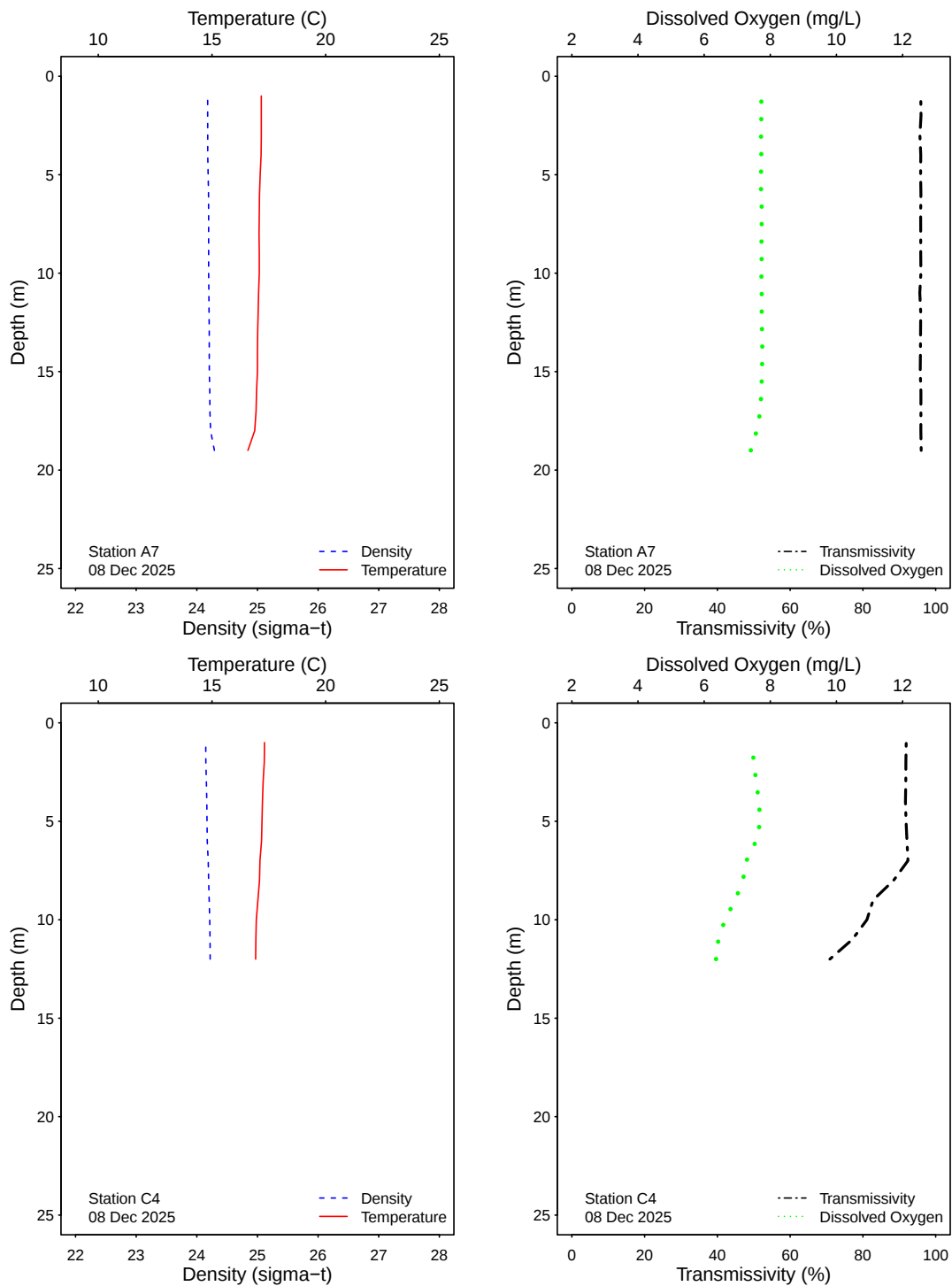


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

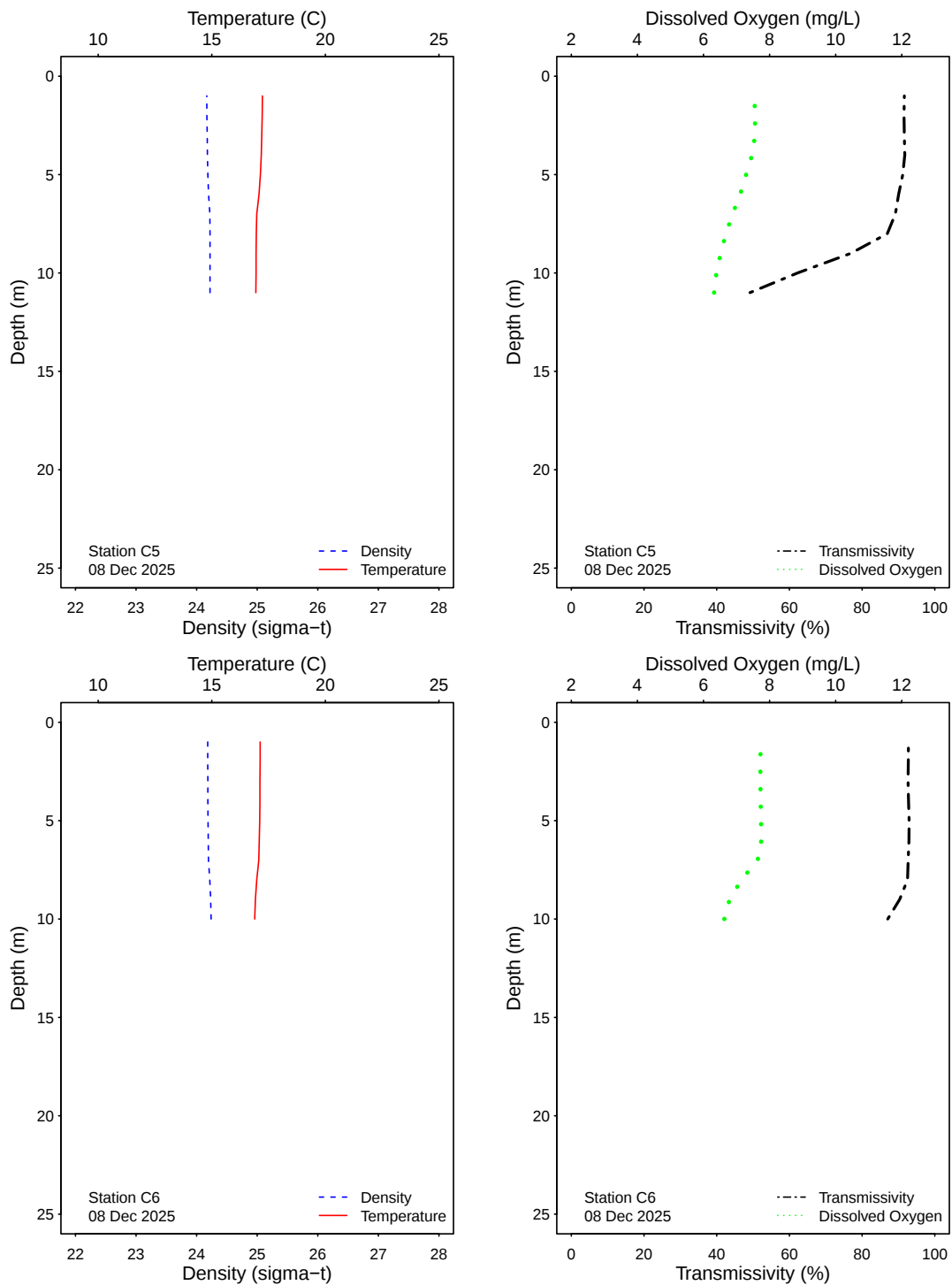


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

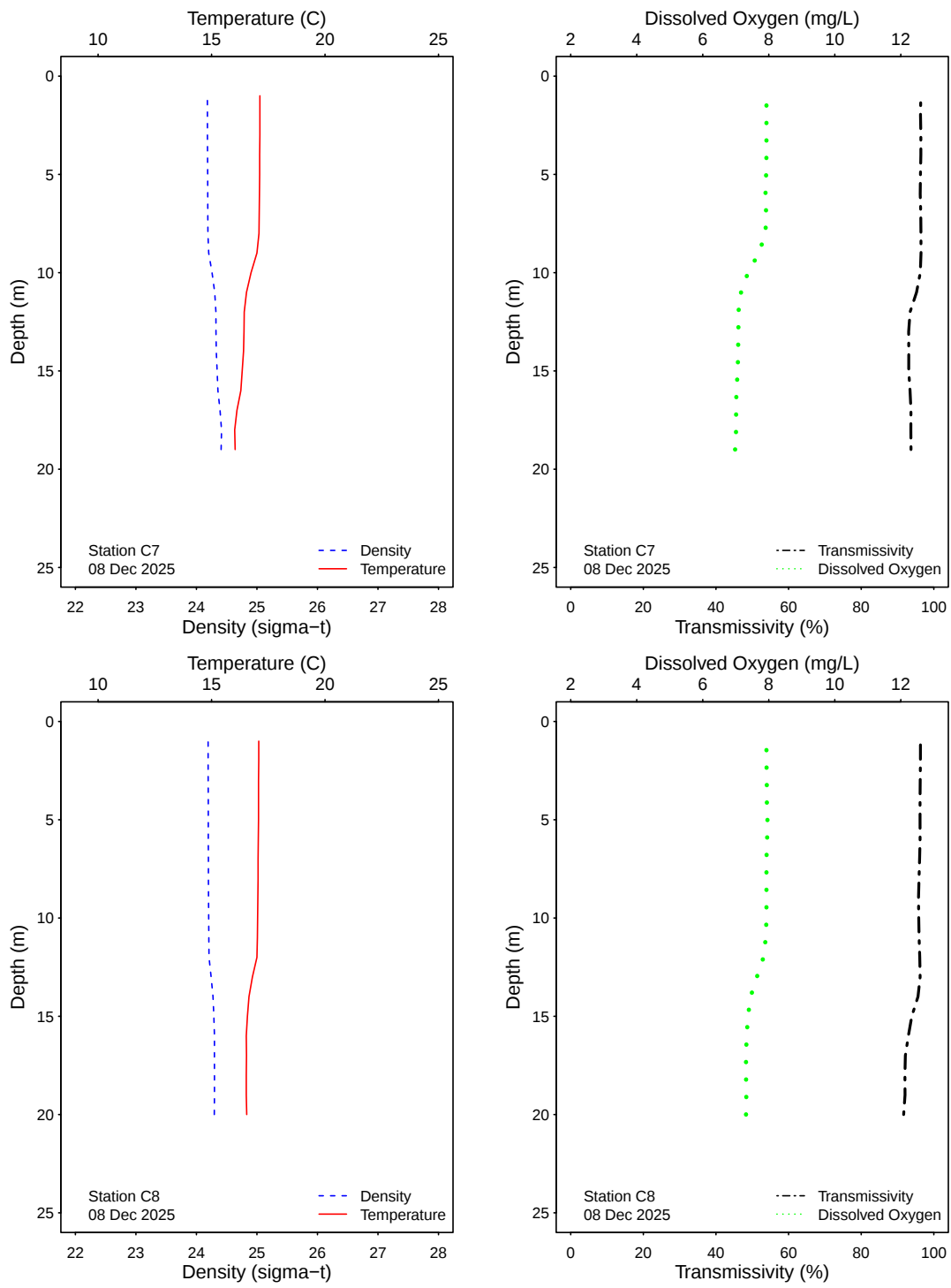


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

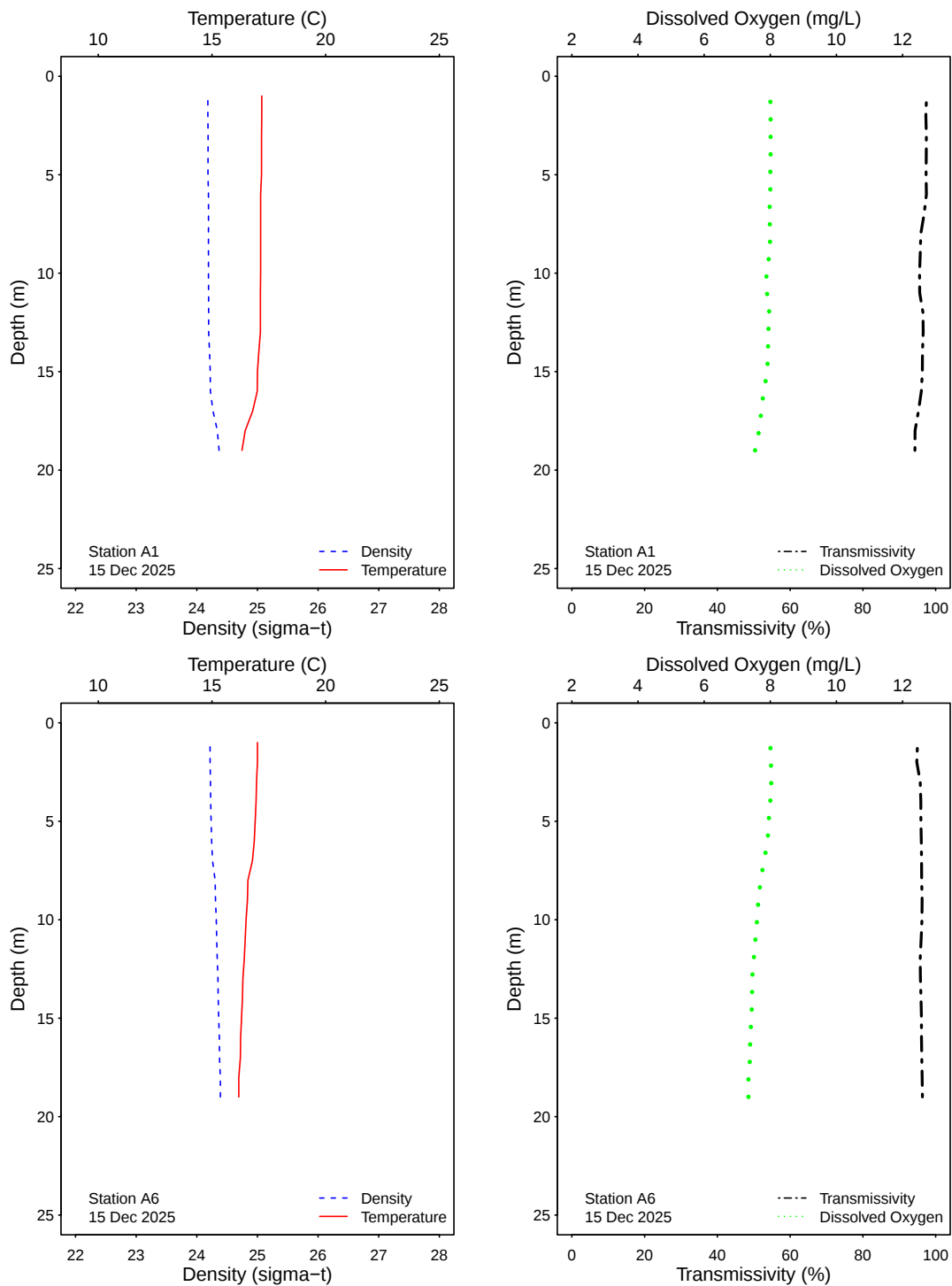


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

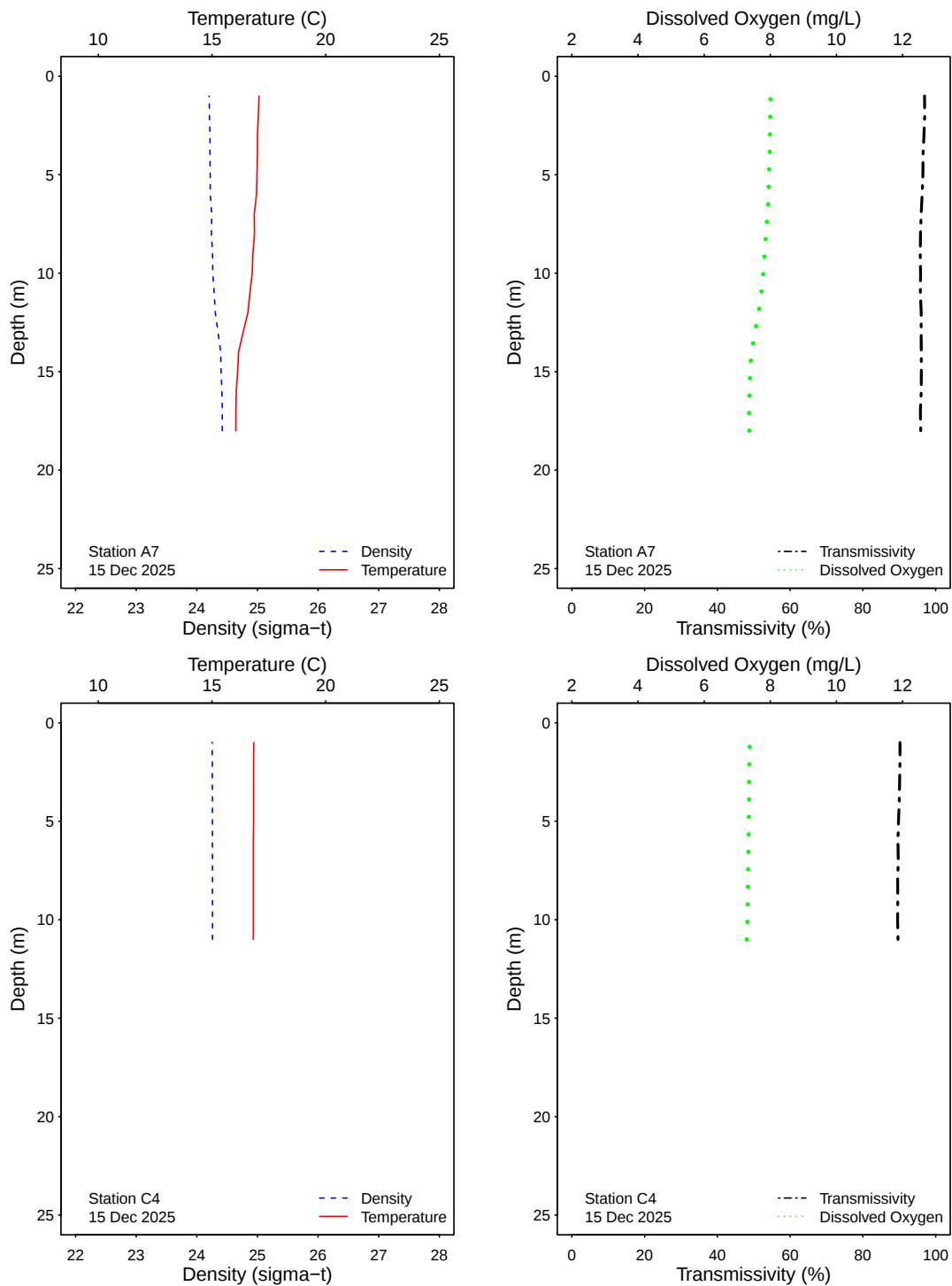


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

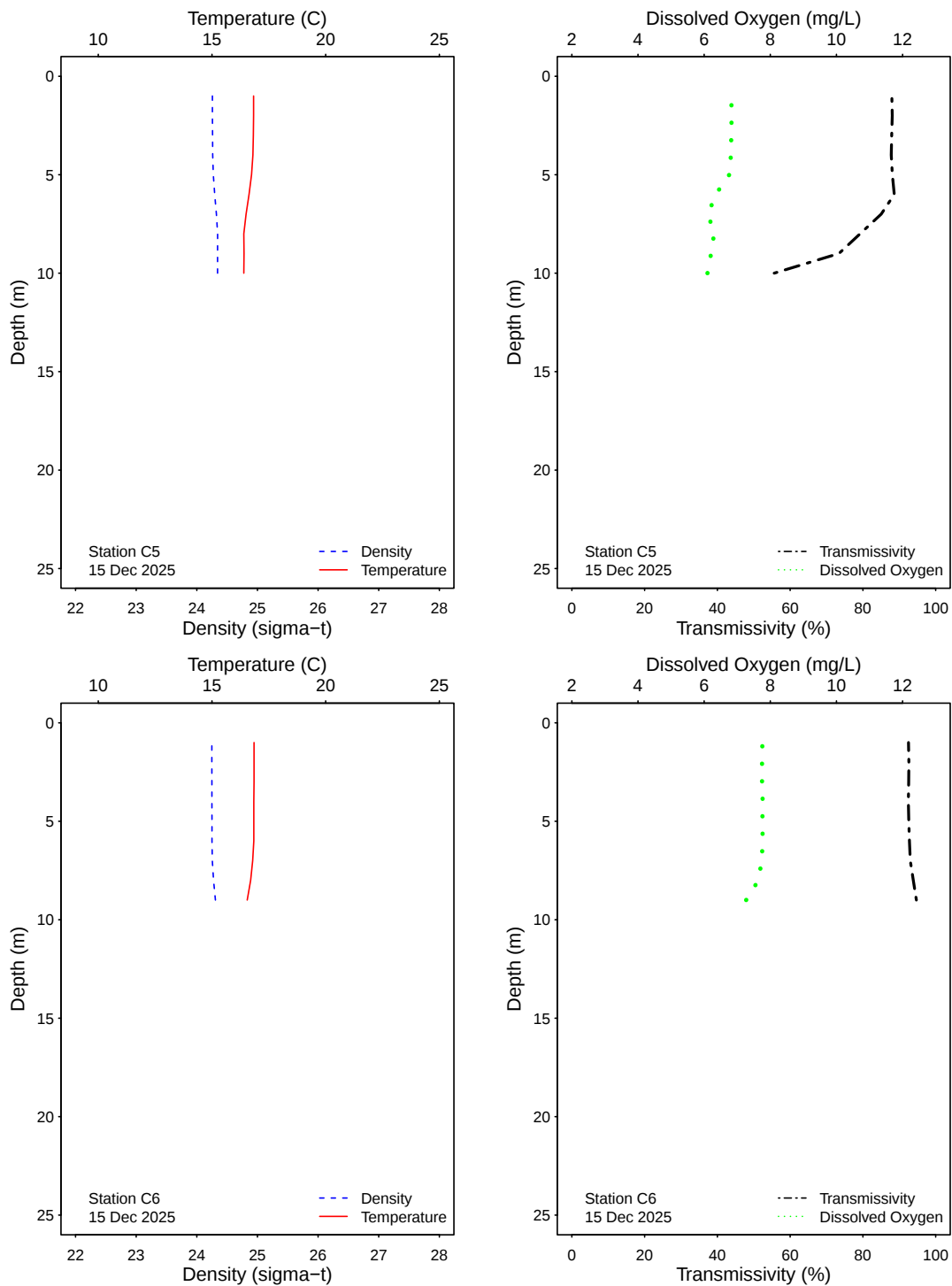


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

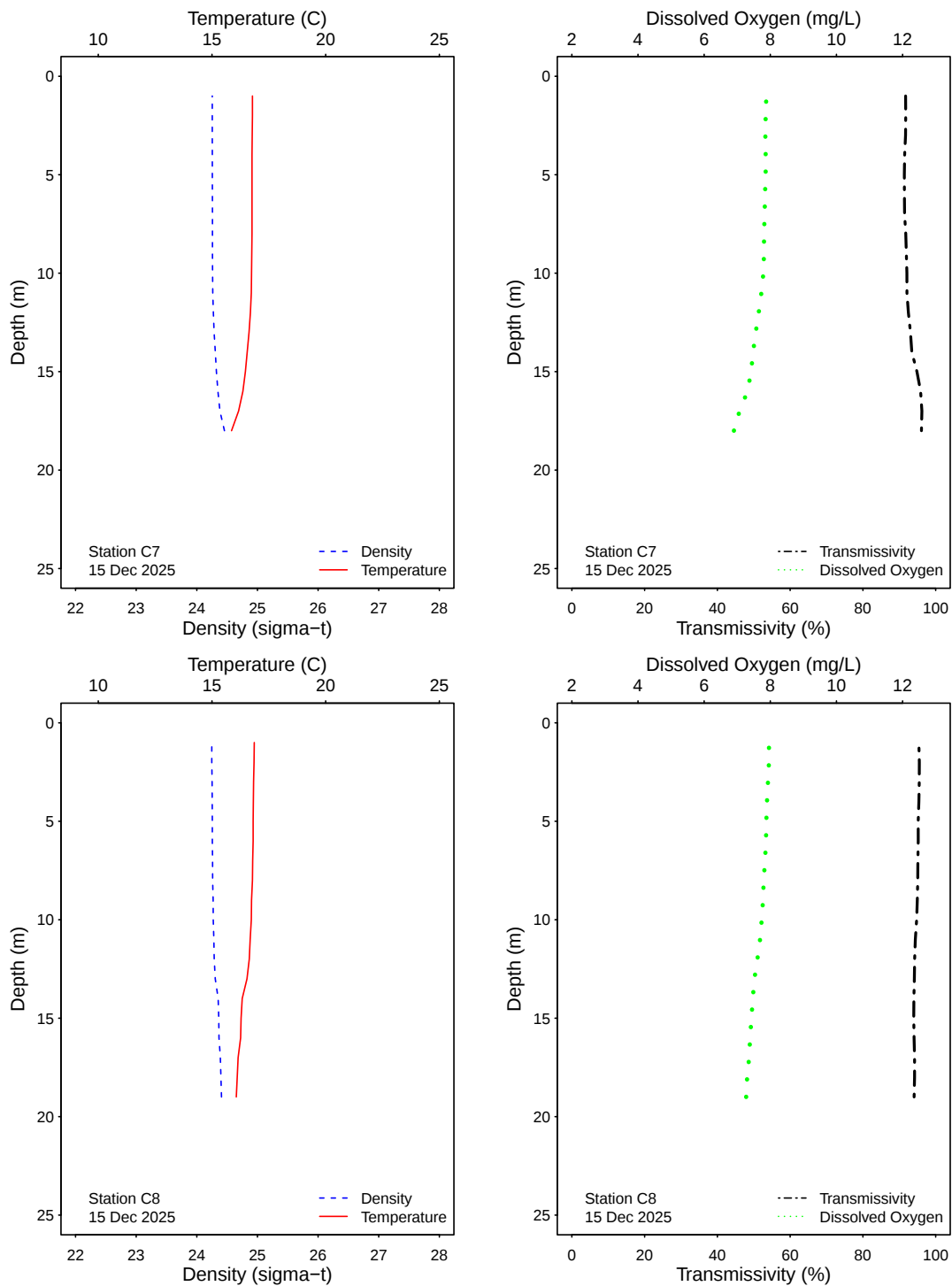


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

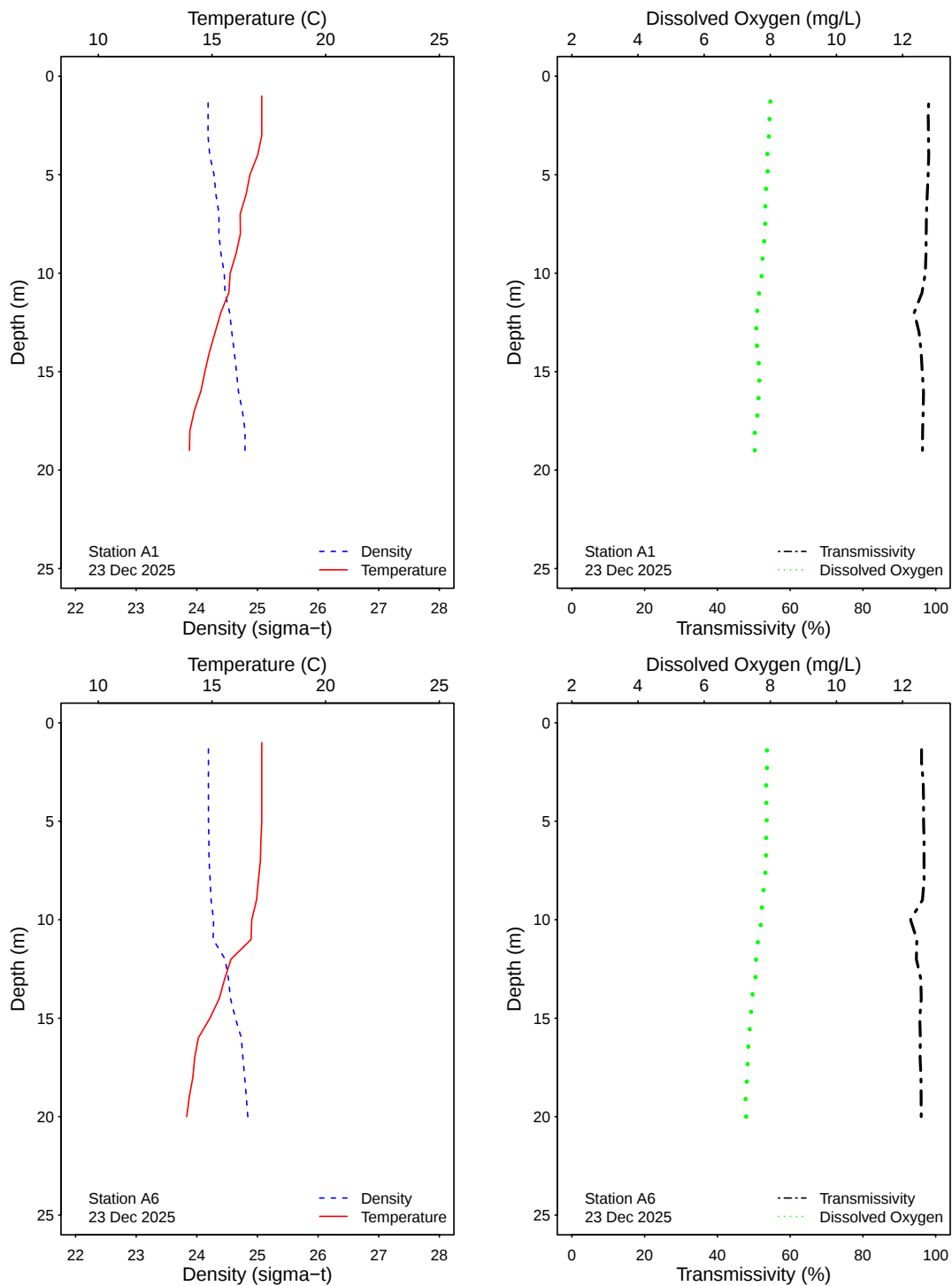


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

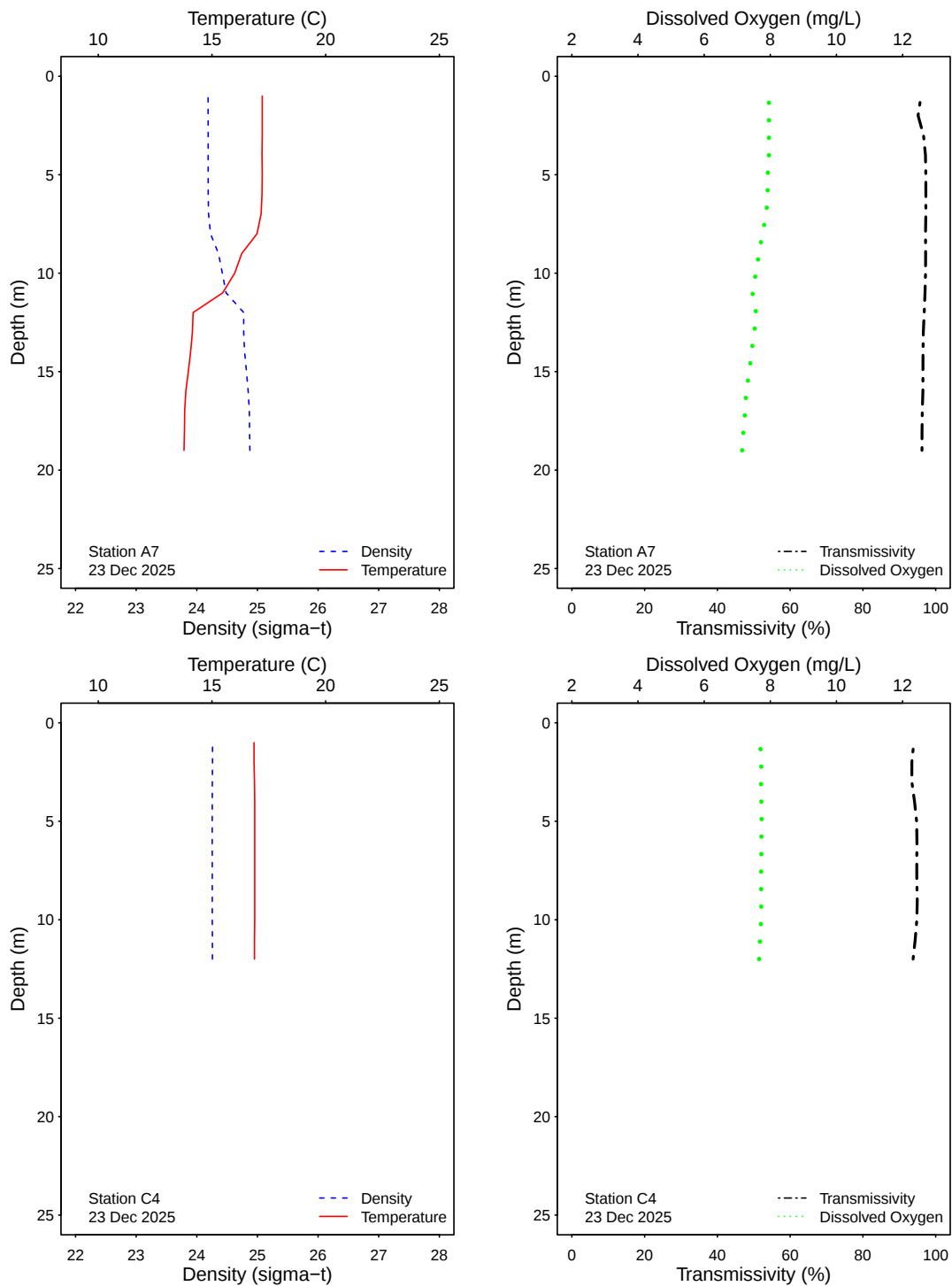


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

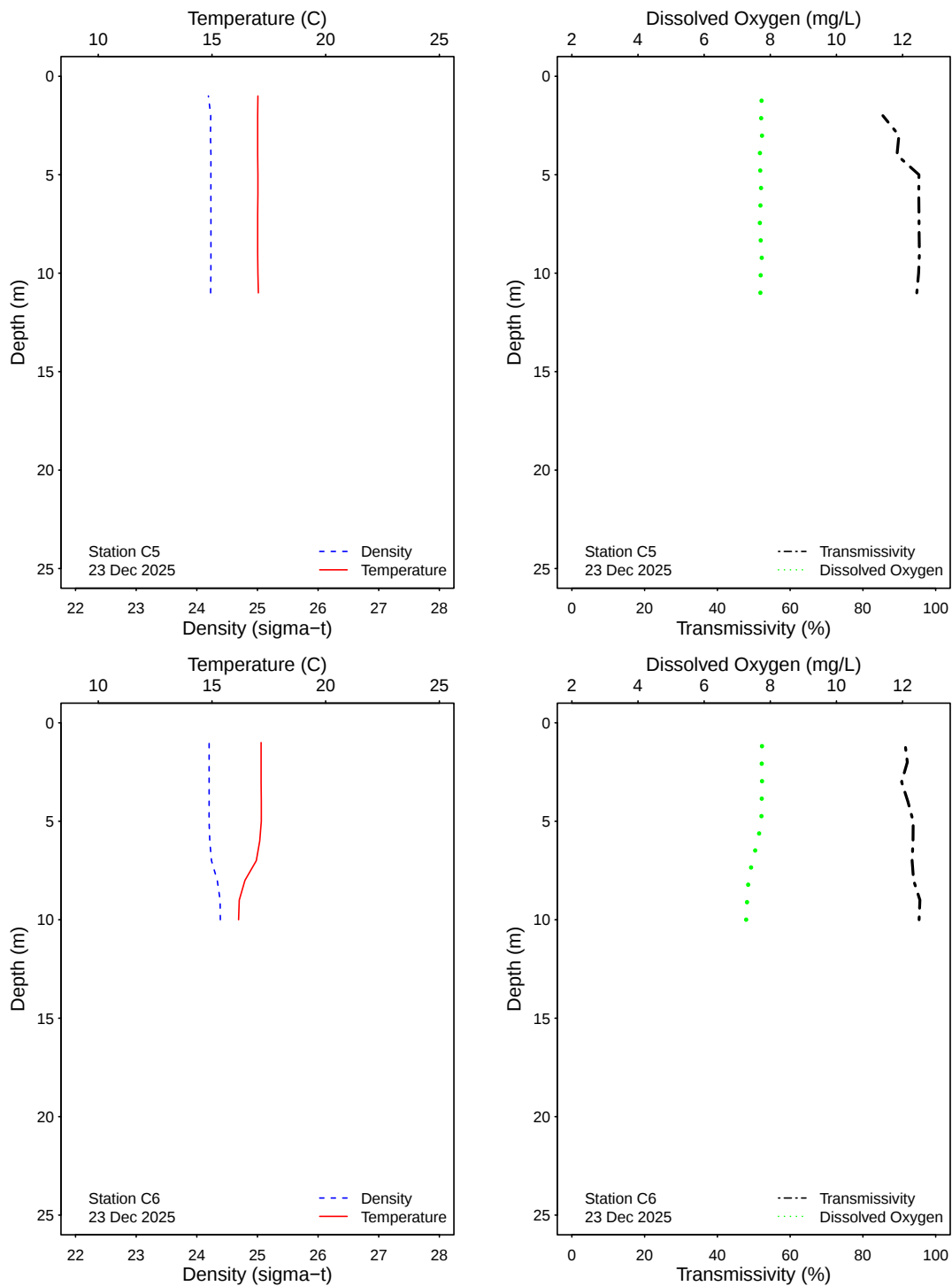


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

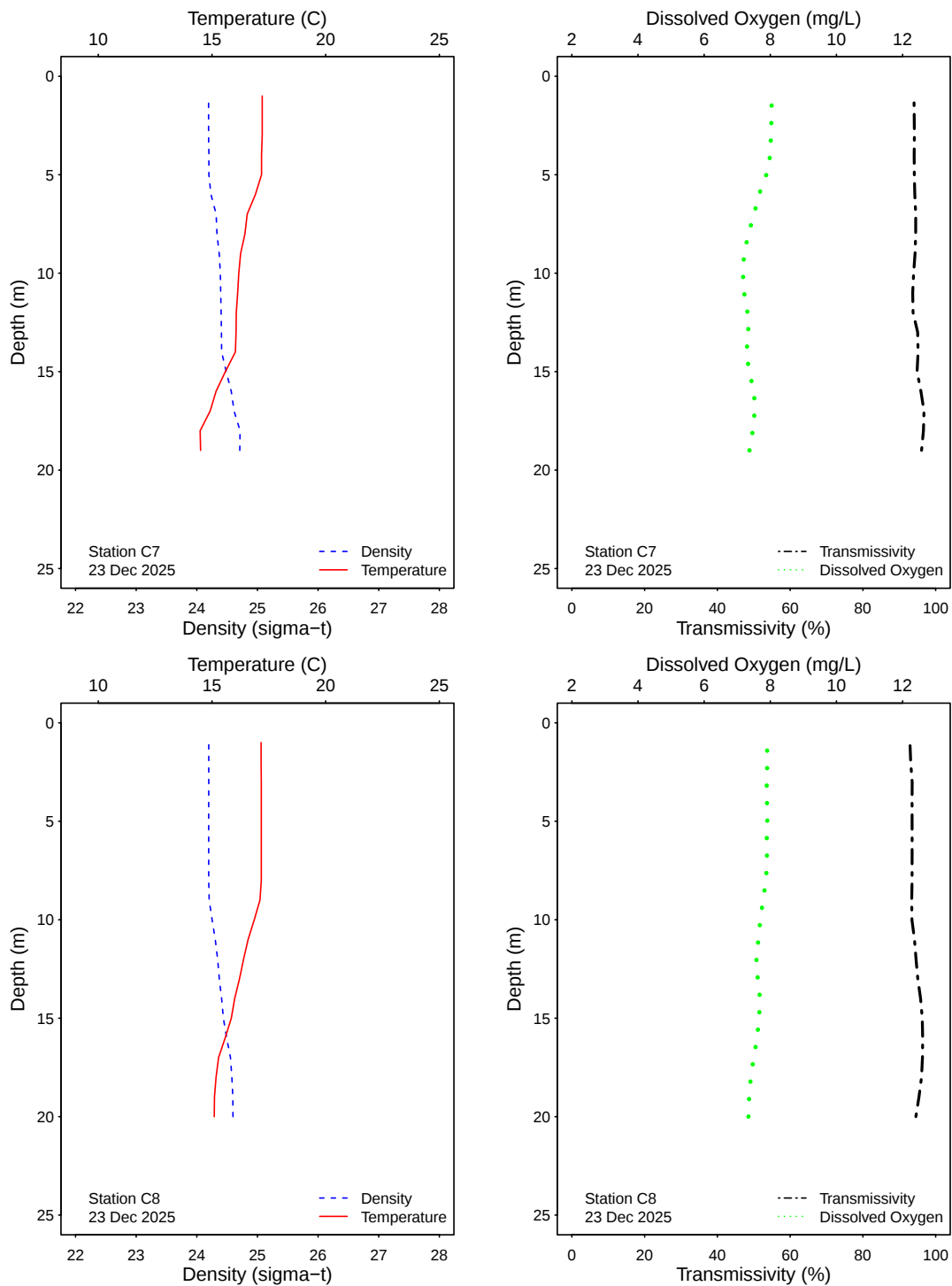


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

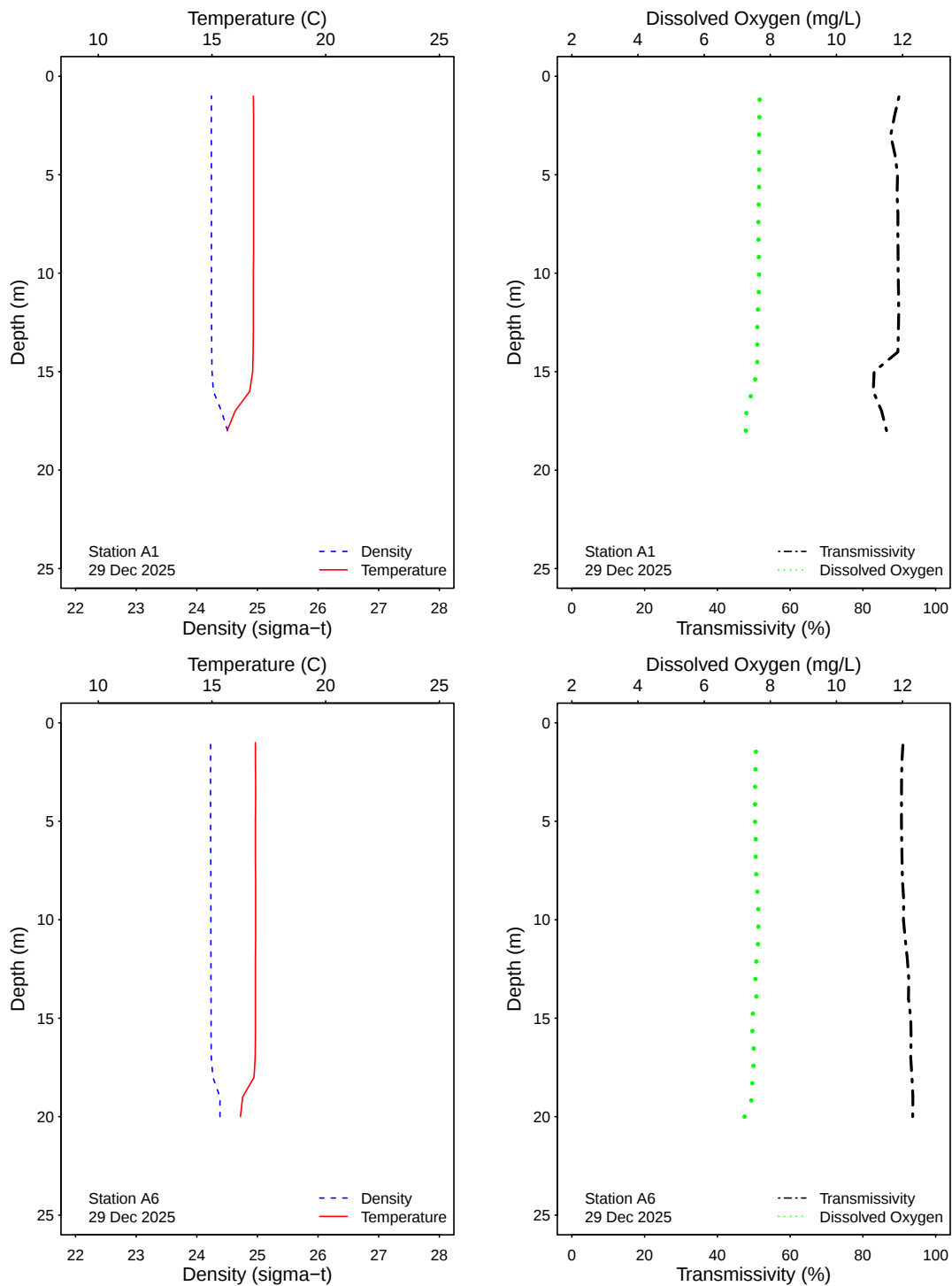


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

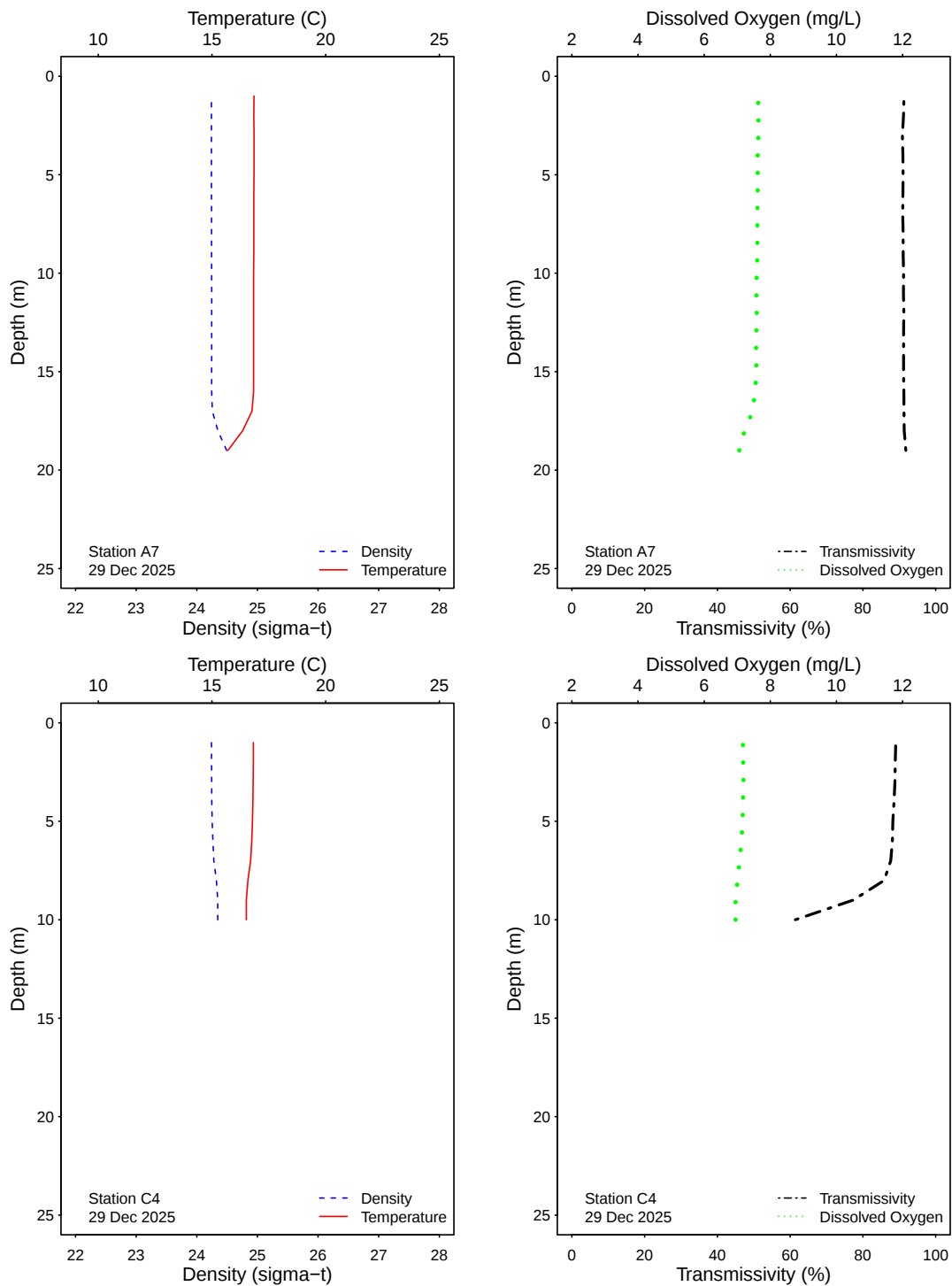


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

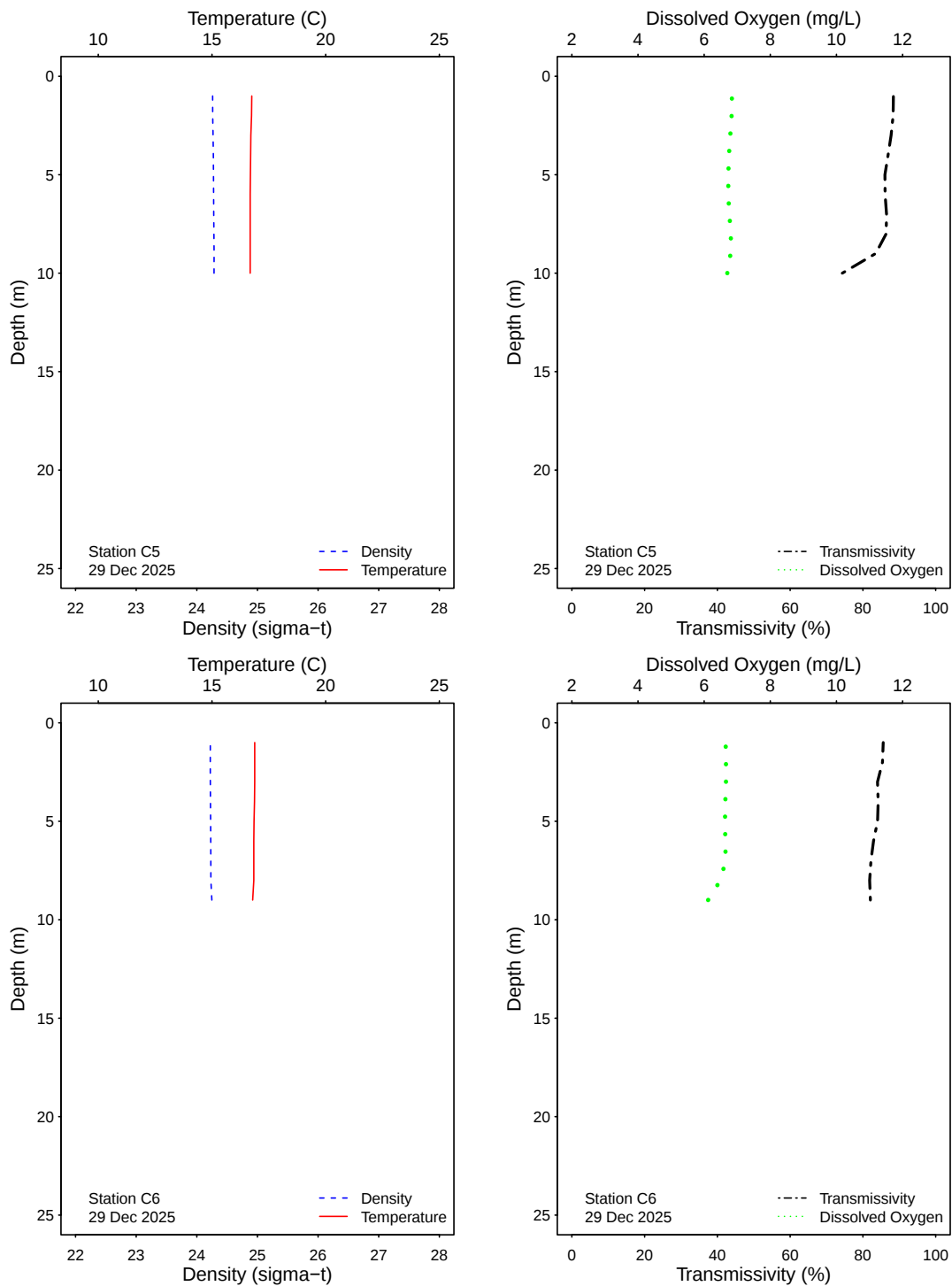


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

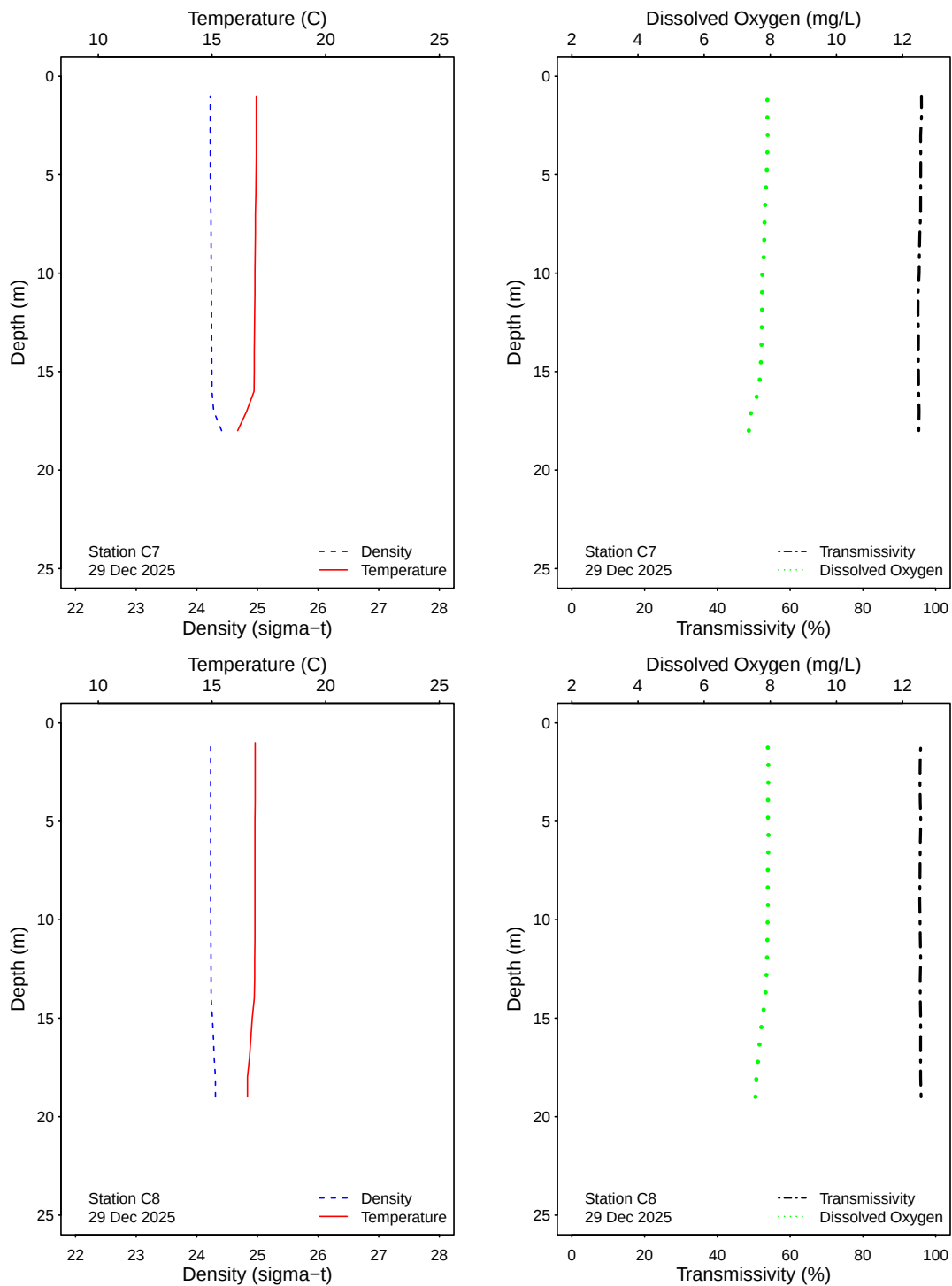


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

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	02 Dec 2025	18	SS	LAB DUPLICATE	8	2	2
A7	08 Dec 2025	18	NCD	LAB DUPLICATE	2	2	2
A7	15 Dec 2025	18	ADG	LAB DUPLICATE	100	14	4
A7	23 Dec 2025	18	KT	LAB DUPLICATE	2	2	2
A7	29 Dec 2025	18	ADG	LAB DUPLICATE	20	6	2
C7	02 Dec 2025	18	SS	LAB DUPLICATE	14	4	2
C7	08 Dec 2025	18	NCD	LAB DUPLICATE	24	8	2
C7	15 Dec 2025	18	ADG	LAB DUPLICATE	8	2	20
C7	23 Dec 2025	18	KT	LAB DUPLICATE	20	6	2
C7	29 Dec 2025	18	ADG	LAB DUPLICATE	6	2	2
C8	02 Dec 2025	12	SS	LAB DUPLICATE	4	2	2
C8	08 Dec 2025	12	NCD	LAB DUPLICATE	2	2	2
C8	15 Dec 2025	12	ADG	LAB DUPLICATE	2	2	2
C8	23 Dec 2025	12	KT	LAB DUPLICATE	2	2	2
C8	29 Dec 2025	12	ADG	LAB DUPLICATE	4	2	2
D12	03 Dec 2025		SS	LAB DUPLICATE	20	10	10
D12	03 Dec 2025		SS	FIELD DUPLICATE	20	8	6
D12	10 Dec 2025		ADG	FIELD DUPLICATE	26	22	2
D12	10 Dec 2025		ADG	LAB DUPLICATE	14	14	2
D12	18 Dec 2025		WT	LAB DUPLICATE	6	6	2
D12	18 Dec 2025		WT	FIELD DUPLICATE	6	2	2
D12	22 Dec 2025		WT	FIELD DUPLICATE	24	10	2
D12	22 Dec 2025		WT	LAB DUPLICATE	38	14	4
D12	30 Dec 2025		KT	FIELD DUPLICATE	16	6	14
D12	30 Dec 2025		KT	LAB DUPLICATE	14	4	14

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	D9	D10	D11	D12
01 Dec 2025	2	2	2	6	3	4	7	6
02 Dec 2025	2	2	2	6	3	4	7	6
03 Dec 2025	2	3	3	11	4	6	8	5
04 Dec 2025	2	3	3	11	4	6	8	5
05 Dec 2025	2	3	3	11	4	6	8	5
06 Dec 2025	2	3	3	11	4	6	8	5
07 Dec 2025	2	3	3	11	4	6	8	5
08 Dec 2025	2	3	3	11	4	6	8	5
09 Dec 2025	2	3	3	11	4	6	8	5
10 Dec 2025	2	3	3	11	4	6	6	5
11 Dec 2025	2	3	3	11	4	6	6	5
12 Dec 2025	2	3	3	11	4	6	6	5
13 Dec 2025	2	3	3	11	4	6	6	5
14 Dec 2025	2	3	3	11	4	6	6	5
15 Dec 2025	2	3	3	11	4	6	6	5
16 Dec 2025	2	3	3	11	4	6	6	5
17 Dec 2025	2	3	3	10	5	8	7	4
18 Dec 2025	2	4	3	13	4	7	10	4
19 Dec 2025	2	4	3	13	4	7	10	4
20 Dec 2025	2	4	3	13	4	7	10	4
21 Dec 2025	2	4	3	13	4	7	10	4
22 Dec 2025	3	3	2	12	4	6	8	4
23 Dec 2025	3	3	2	12	4	6	8	4
24 Dec 2025	3	3	2	12	4	6	8	4
25 Dec 2025	3	4	3	16	5	7	10	4
26 Dec 2025	3	4	3	16	5	7	10	4
27 Dec 2025	3	4	3	16	5	7	10	4
28 Dec 2025	3	4	3	16	5	7	10	4
29 Dec 2025	3	4	3	16	5	7	10	4
30 Dec 2025	3	3	2	17	4	6	8	5
31 Dec 2025	4	4	3	16	4	5	8	4

* 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	D9	D10	D11	D12
December	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	D9	D10	D11	D12
01 Dec 2025	*20	*20	*12	*30	*29	*30	*20	*15
02 Dec 2025	*20	*20	*12	*30	*29	*30	*20	*15
03 Dec 2025	20	20	20	40	40	40	20	20
04 Dec 2025	20	20	20	40	40	40	20	20
05 Dec 2025	*20	*110	*20	*50	*50	*110	*30	*15
06 Dec 2025	*20	*110	*20	*50	*50	*110	*30	*15
07 Dec 2025	*20	*110	*20	*50	*50	*110	*30	*15
08 Dec 2025	*20	*110	*20	*50	*50	*110	*30	*15
09 Dec 2025	*20	*110	*20	*50	*50	*110	*30	*15
10 Dec 2025	20	20	20	20	40	180	20	20
11 Dec 2025	20	20	20	20	40	180	20	20
12 Dec 2025	20	20	20	20	40	180	20	20
13 Dec 2025	*20	*110	*20	*50	*50	*190	*30	*22
14 Dec 2025	*20	*110	*20	*50	*50	*190	*30	*22
15 Dec 2025	*20	*110	*20	*50	*50	*190	*30	*22
16 Dec 2025	*20	*110	*20	*50	*50	*190	*30	*22
17 Dec 2025	*20	*110	*20	*50	*50	*190	*30	*22
18 Dec 2025	20	200	20	20	40	180	40	20
19 Dec 2025	*20	*110	*20	*20	*40	*100	*30	*12
20 Dec 2025	*20	*110	*20	*20	*40	*100	*30	*12
21 Dec 2025	*20	*110	*20	*20	*40	*100	*30	*12
22 Dec 2025	20	20	20	20	40	20	20	20
23 Dec 2025	20	20	20	20	40	20	20	20
24 Dec 2025	*20	*110	*14	*70	*30	*100	*29	*22
25 Dec 2025	*20	*110	*14	*70	*30	*100	*29	*22
26 Dec 2025	*20	*110	*14	*70	*30	*100	*29	*22
27 Dec 2025	*20	*110	*14	*70	*30	*100	*29	*22
28 Dec 2025	*20	*110	*14	*70	*30	*100	*29	*22
29 Dec 2025	*20	*110	*14	*70	*30	*100	*29	*22
30 Dec 2025	20	20	18	120	20	20	18	20
31 Dec 2025	20	20	18	120	20	20	18	20

* 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	D9	D10	D11	D12
December	IC	E	IC	E	E	E	E	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 kelp stations. Data are based on the geometric mean of the five most recent samples from each site over the previous 6 weeks unless otherwise noted (*). Values >30 CFU/100 mL exceed the standard.

Date	A1	A6	A7	C4	C5	C6	C7	C8
01 Dec 2025	2	2	2	2	3	2	2	2
02 Dec 2025	2	2	2	2	3	2	2	2
03 Dec 2025	2	2	2	2	3	2	2	2
04 Dec 2025	2	2	2	2	3	2	2	2
05 Dec 2025	2	2	2	2	3	2	2	2
06 Dec 2025	2	2	2	2	3	2	2	2
07 Dec 2025	2	2	2	2	3	2	2	2
08 Dec 2025	2	2	2	2	3	2	2	2
09 Dec 2025	2	2	2	2	3	2	2	2
10 Dec 2025	2	2	2	2	3	2	2	2
11 Dec 2025	2	2	2	2	3	2	2	2
12 Dec 2025	2	2	2	2	3	2	2	2
13 Dec 2025	2	2	2	2	3	2	2	2
14 Dec 2025	2	2	2	2	3	2	2	2
15 Dec 2025	2	2	2	2	3	2	2	2
16 Dec 2025	2	2	2	2	3	2	2	2
17 Dec 2025	2	2	2	2	3	2	2	2
18 Dec 2025	2	2	2	2	3	2	2	2
19 Dec 2025	2	2	2	2	3	2	2	2
20 Dec 2025	2	2	2	2	3	2	2	2
21 Dec 2025	2	2	2	2	3	2	2	2
22 Dec 2025	2	2	2	2	3	2	2	2
23 Dec 2025	2	2	2	2	3	2	2	2
24 Dec 2025	2	2	2	2	3	2	2	2
25 Dec 2025	2	2	2	2	3	2	2	2
26 Dec 2025	2	2	2	2	3	2	2	2
27 Dec 2025	2	2	2	2	3	2	2	2
28 Dec 2025	2	2	2	2	3	2	2	2
29 Dec 2025	2	2	2	2	2	2	2	2
30 Dec 2025	2	2	2	2	2	2	2	2
31 Dec 2025	2	2	2	2	2	2	2	2

* Geometric mean calculated using n<5

Table B.6

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
December	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 Median" 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	12m	18m	1m	12m	18m	1m	12m	18m	1m	3m	9m	1m	3m	9m	1m	3m	9m	1m	12m	18m	1m	12m	18m
01 Dec 2025	*2	*3	*2	*2	*7	*3	*3	2	*101	*2	*2	*3	*4	*2	*20	*2	*2	*2	*3	*2	*2	*3	*3	*6
02 Dec 2025	2	2	2	2	2	4	2	2	10	2	2	2	4	2	20	2	2	2	2	2	2	2	4	8
03 Dec 2025	*2	*3	*2	*2	*7	*4	*3	*3	*105	*2	*2	*3	*3	*2	20	2	*2	*2	*3	*2	*2	*3	*4	*10
04 Dec 2025	*2	*3	*2	*2	*7	*4	*3	*3	*105	*2	*2	*3	*3	*2	20	2	*2	*2	*3	*2	*11	*3	*4	*10
05 Dec 2025	*2	*3	*2	*2	*7	*4	*3	*3	*105	*2	*2	*3	*3	*2	20	2	*2	*2	*3	*2	*11	*3	*4	*10
06 Dec 2025	*2	*3	*2	*2	*7	*4	*3	*3	*105	*2	*2	*3	*3	*2	20	2	*2	*2	*3	*2	*11	*3	*4	*10
07 Dec 2025	*2	*3	*2	*2	*7	*4	*3	*3	*105	*2	*2	*3	*3	*2	20	2	*2	*2	*3	*2	*11	*3	*4	*10
08 Dec 2025	2	4	2	2	2	4	2	2	10	2	2	2	2	2	20	2	2	2	2	2	20	2	4	8
09 Dec 2025	2	4	2	2	2	4	2	2	10	2	2	2	2	2	20	2	2	2	2	2	20	2	4	8
10 Dec 2025	*2	*4	*6	*2	*2	*4	*2	*3	*6	*2	*2	*3	*3	*2	20	2	*2	*2	*3	*2	*11	*3	*3	*7
11 Dec 2025	*2	*4	*6	*2	*2	*4	*2	*3	*6	*2	*2	*3	*3	*2	20	2	*2	*2	*3	*2	*11	*3	*3	*7
12 Dec 2025	*2	*4	*6	*2	*2	*4	*2	*3	*6	*2	*2	*3	*3	*2	20	2	*2	*2	*3	*2	*11	*3	*3	*7
13 Dec 2025	*2	*4	*6	*2	*2	*4	*2	*3	*6	*2	*2	*3	*3	*2	20	2	*2	*2	*3	*2	*11	*3	*3	*7
14 Dec 2025	*2	*4	*6	*2	*2	*4	*2	*3	*6	*2	*2	*3	*3	*2	20	2	*2	*2	*3	*2	*11	*3	*3	*7
15 Dec 2025	2	4	10	2	2	4	2	4	10	2	2	2	2	2	20	2	2	2	2	2	16	2	2	6
16 Dec 2025	2	4	10	2	2	4	2	4	10	2	2	2	2	2	20	2	2	2	2	2	16	2	2	6
17 Dec 2025	*4	*5	*11	*2	*6	*7	*2	*3	*65	*2	*2	*2	*2	*2	14	2	*3	*2	*2	*2	*18	*2	*3	*9
18 Dec 2025	*4	*5	*11	*2	*6	*7	*2	*3	*65	*2	*2	*2	*2	*2	14	2	*3	*2	*2	*2	*18	*2	*3	*9
19 Dec 2025	*4	*5	*11	*2	*6	*7	*2	*3	*65	*2	*2	*2	*2	*2	14	2	*3	*2	*2	*2	*18	*2	*3	*9
20 Dec 2025	*4	*5	*11	*2	*6	*7	*2	*3	*65	*2	*2	*2	*2	*2	14	2	*3	*2	*2	*2	*18	*2	*3	*9
21 Dec 2025	*4	*5	*11	*2	*6	*7	*2	*3	*65	*2	*2	*2	*2	*2	14	2	*3	*2	*2	*2	*18	*2	*3	*9
22 Dec 2025	*4	*5	*11	*2	*6	*7	*2	*3	*65	*2	*2	*2	*2	*2	14	2	*3	*2	*2	*2	*18	*2	*3	*9
23 Dec 2025	2	4	2	2	10	10	2	2	10	2	2	2	2	2	8	2	2	2	2	2	16	2	2	8
24 Dec 2025	2	4	2	2	10	10	2	2	10	2	2	2	2	2	8	2	2	2	2	2	16	2	2	8
25 Dec 2025	*4	*4	*11	*2	*6	*14	*2	*3	*7	*2	*2	*2	*2	*2	5	2	*3	*2	*2	*2	*18	*2	*2	*7
26 Dec 2025	*4	*4	*11	*2	*6	*14	*2	*3	*7	*2	*2	*2	*2	*2	5	2	*3	*2	*2	*2	*18	*2	*2	*7
27 Dec 2025	*4	*4	*11	*2	*6	*14	*2	*3	*7	*2	*2	*2	*2	*2	5	2	*3	*2	*2	*2	*18	*2	*2	*7
28 Dec 2025	*4	*4	*11	*2	*6	*14	*2	*3	*7	*2	*2	*2	*2	*2	5	2	*3	*2	*2	*2	*18	*2	*2	*7
29 Dec 2025	4	6	20	2	2	10	2	4	10	2	2	2	2	2	2	2	2	2	2	2	16	2	2	8
30 Dec 2025	4	6	20	2	2	10	2	4	10	2	2	2	2	2	2	2	2	2	2	2	16	2	2	8
31 Dec 2025	4	6	20	2	2	10	2	4	10	2	2	2	2	2	2	2	2	2	2	2	16	2	2	8

* 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
December	IC	IC	IC	IC	IC	E	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