



# POINT LOMA OCEAN OUTFALL MONTHLY RECEIVING WATERS MONITORING REPORT

## POINT LOMA WASTEWATER TREATMENT PLANT

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

### MARCH 2026

Environmental Monitoring and Technical Services  
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April 30, 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 March 2026 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, 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  $\geq 4$  scans per second. These scans are then internally averaged to create water column profiles with data readings at a rate of one per meter. Additionally, CTD profile data for each water sample depth are presented with the bacteriological data.

### ***Offshore Stations***

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

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

### ***Bacteriological Reporting and Quality Assurance***

Estimated values for bacteriological analyses are denoted by greater than (>), less than (<), or estimated (e) qualifiers and result from plates with colony counts above or below the permissible counting limits established in Bordner et al. (1978)<sup>1</sup>. 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

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<sup>1</sup> 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, 1987<sup>2</sup>) 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 2026 Quality Assurance Report, which will be completed in March 2027.

## 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 March 4, 11, 18, and 25.
- During the March 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 D5 and D8 on one or more days in March.
- 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 March 3, 10, 17, 24, and 30.
- During the March reporting period, each of the eight kelp stations was in compliance with the various 2015 California Ocean Plan (Ocean Plan) water contact standards.

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

- Water column temperatures ranged from 12.22 to 18.62°C. The difference between surface and bottom waters ranged from 0.29 to 4.36°C.
- Chlorophyll *a* concentrations ranged from 0.23 to 13.56 µg/L.
- Nothing of sewage origin was observed at PLOO kelp stations in March.

#### ***Offshore Stations***

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



# TABLES AND FIGURES



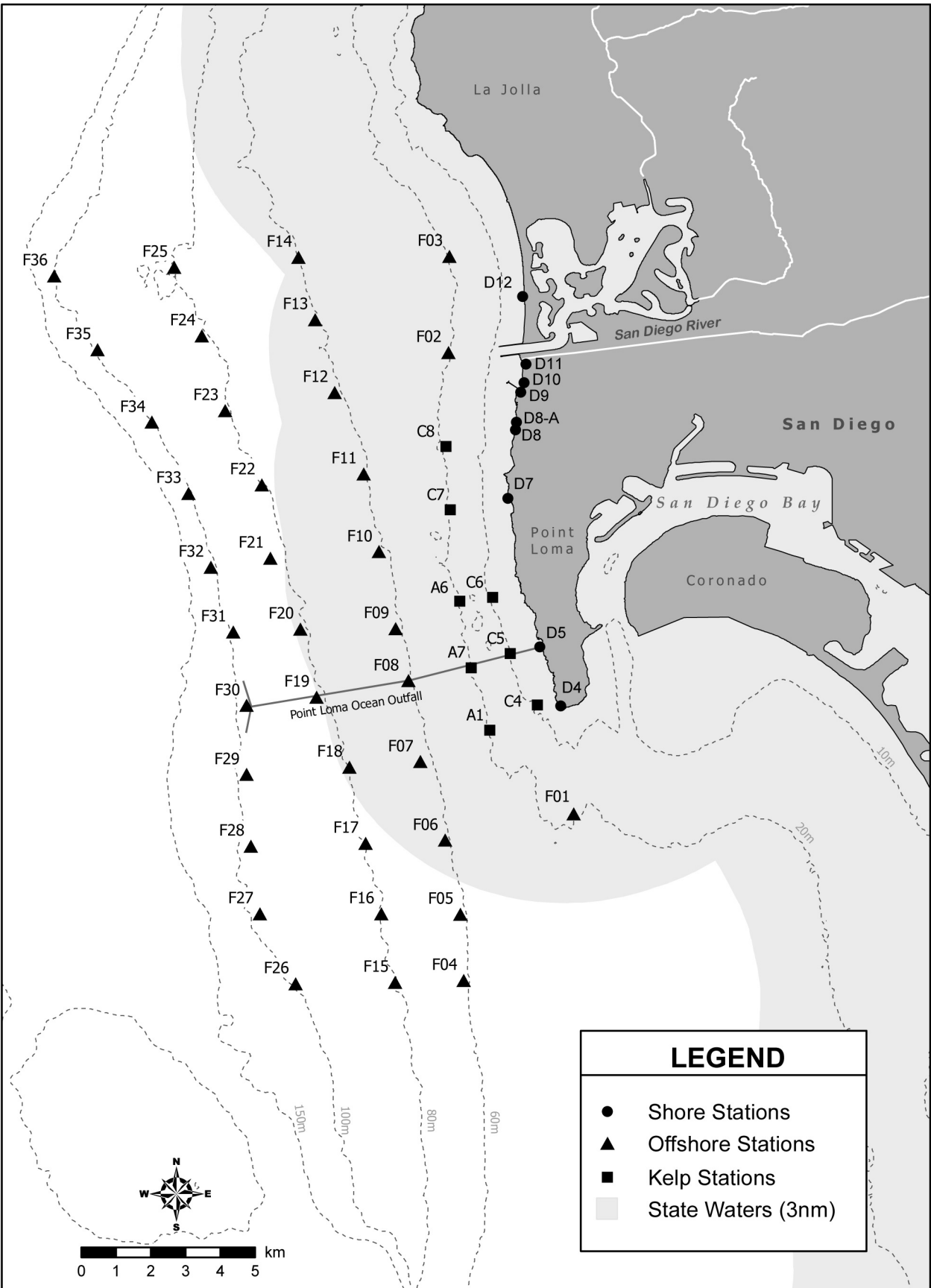


Figure 1.1 Station Map

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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 Mar 2026	*2	*3	*4	*9	*7	*19	*19	*3
02 Mar 2026	*2	*3	*4	*9	*7	*19	*19	*3
03 Mar 2026	*2	*3	*4	*9	*7	*19	*19	*3
04 Mar 2026	2	4	3	9	8	18	16	3
05 Mar 2026	2	4	3	9	8	18	16	3
06 Mar 2026	*2	*4	*4	*14	*12	*17	*17	*3
07 Mar 2026	*2	*4	*4	*14	*12	*17	*17	*3
08 Mar 2026	*2	*4	*4	*14	*12	*17	*17	*3
09 Mar 2026	*2	*4	*4	*14	*12	*17	*17	*3
10 Mar 2026	*2	*4	*4	*14	*12	*17	*17	*3
11 Mar 2026	2	4	3	9	8	11	15	3
12 Mar 2026	2	4	3	9	8	11	15	3
13 Mar 2026	*2	*3	*3	*6	*9	*11	*14	*3
14 Mar 2026	*2	*3	*3	*6	*9	*11	*14	*3
15 Mar 2026	*2	*3	*3	*6	*9	*11	*14	*3
16 Mar 2026	*2	*3	*3	*6	*9	*11	*14	*3
17 Mar 2026	*2	*3	*3	*6	*9	*11	*14	*3
18 Mar 2026	2	3	4	8	8	12	13	3
19 Mar 2026	2	3	4	8	8	12	13	3
20 Mar 2026	2	3	4	8	8	12	13	3
21 Mar 2026	*2	*2	*3	*5	*5	*7	*8	*2
22 Mar 2026	*2	*2	*3	*5	*5	*7	*8	*2
23 Mar 2026	*2	*2	*3	*5	*5	*7	*8	*2
24 Mar 2026	*2	*2	*3	*5	*5	*7	*8	*2
25 Mar 2026	2	2	3	4	4	7	11	2
26 Mar 2026	2	2	3	4	4	7	11	2
27 Mar 2026	*2	*2	*3	*5	*5	*8	*12	*2
28 Mar 2026	*2	*2	*3	*5	*5	*8	*12	*2
29 Mar 2026	*2	*2	*3	*5	*5	*8	*12	*2
30 Mar 2026	*2	*2	*3	*5	*5	*8	*12	*2
31 Mar 2026	*2	*2	*3	*5	*5	*8	*12	*2

\* 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
04 Mar 2026	IC	IC	IC	IC	IC	IC	IC	IC
11 Mar 2026	IC	IC	IC	IC	IC	IC	IC	IC
18 Mar 2026	IC	IC	IC	IC	IC	IC	IC	IC
25 Mar 2026	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 Mar 2026	*2	*2	*4	12	*5	*24	*17	*3
02 Mar 2026	*2	*2	*4	12	*5	*24	*17	*3
03 Mar 2026	*2	*2	*4	12	*5	*24	*17	*3
04 Mar 2026	2	2	4	10	4	18	11	3
05 Mar 2026	2	2	4	10	4	18	11	3
06 Mar 2026	*2	*2	*4	13	*5	*14	*13	*3
07 Mar 2026	*2	*2	*4	13	*5	*14	*13	*3
08 Mar 2026	*2	*2	*4	13	*5	*14	*13	*3
09 Mar 2026	*2	*2	*4	13	*5	*14	*13	*3
10 Mar 2026	*2	*2	*4	13	*5	*14	*13	*3
11 Mar 2026	2	2	4	10	4	10	9	3
12 Mar 2026	2	2	4	10	4	10	9	3
13 Mar 2026	*2	*2	*2	5	*5	*8	*9	*3
14 Mar 2026	*2	*2	*2	*7	*5	*8	*9	*3
15 Mar 2026	*2	*2	*2	*7	*5	*8	*9	*3
16 Mar 2026	*2	*2	*2	*7	*5	*8	*9	*3
17 Mar 2026	*2	*2	*2	*7	*5	*8	*9	*3
18 Mar 2026	2	2	3	12	4	8	11	4
19 Mar 2026	2	2	3	12	4	8	11	4
20 Mar 2026	2	2	3	12	4	8	11	4
21 Mar 2026	*2	*2	*3	*7	*2	*4	*7	*3
22 Mar 2026	*2	*2	*3	*7	*2	*4	*7	*3
23 Mar 2026	*2	*2	*3	*7	*2	*4	*7	*3
24 Mar 2026	*2	*2	*3	*7	*2	*4	*7	*3
25 Mar 2026	2	2	3	6	2	4	9	3
26 Mar 2026	2	2	3	6	2	4	9	3
27 Mar 2026	*2	*2	*3	*6	*2	*3	*7	*3
28 Mar 2026	*2	*2	*3	*6	*2	*3	*7	*3
29 Mar 2026	*2	*2	*3	*6	*2	*3	*7	*3
30 Mar 2026	*2	*2	*3	*6	*2	*3	*7	*3
31 Mar 2026	*2	*2	*3	*6	*2	*3	*7	*3

\* 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
04 Mar 2026	IC	IC	IC	IC	IC	IC	IC	IC
11 Mar 2026	IC	IC	IC	IC	IC	IC	IC	IC
18 Mar 2026	IC	IC	IC	IC	IC	IC	IC	IC
25 Mar 2026	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 Mar 2026	*4	*16	*14	*118	*31	*42	*72	*5
02 Mar 2026	*4	*16	*14	*118	*31	*42	*72	*5
03 Mar 2026	*4	*16	*14	*118	*31	*42	*72	*5
04 Mar 2026	6	11	10	83	28	36	57	5
05 Mar 2026	6	11	10	83	28	36	57	5
06 Mar 2026	*4	*9	*14	*118	*31	*42	*69	*6
07 Mar 2026	*4	*9	*14	*118	*31	*42	*69	*6
08 Mar 2026	*4	*9	*14	*118	*31	*42	*69	*6
09 Mar 2026	*4	*9	*14	*118	*31	*42	*69	*6
10 Mar 2026	*4	*9	*14	*118	*31	*42	*69	*6
11 Mar 2026	4	7	10	83	24	30	71	5
12 Mar 2026	4	7	10	83	24	30	71	5
13 Mar 2026	*4	*5	*5	*56	*24	*34	*82	*6
14 Mar 2026	*4	*5	*5	*56	*24	*34	*82	*6
15 Mar 2026	*4	*5	*5	*56	*24	*34	*82	*6
16 Mar 2026	*4	*5	*5	*56	*24	*34	*82	*6
17 Mar 2026	*4	*5	*5	*56	*24	*34	*82	*6
18 Mar 2026	3	4	7	53	24	30	62	5
19 Mar 2026	3	4	7	53	24	30	62	5
20 Mar 2026	3	4	7	53	24	30	62	5
21 Mar 2026	*4	*2	*4	*24	*11	*16	*38	*3
22 Mar 2026	*4	*2	*4	*24	*11	*16	*38	*3
23 Mar 2026	*4	*2	*4	*24	*11	*16	*38	*3
24 Mar 2026	*4	*2	*4	*24	*11	*16	*38	*3
25 Mar 2026	4	2	3	23	11	17	58	2
26 Mar 2026	4	2	3	23	11	17	58	2
27 Mar 2026	*5	*2	*4	*24	*15	*16	*57	*3
28 Mar 2026	*5	*2	*4	*24	*15	*16	*57	*3
29 Mar 2026	*5	*2	*4	*24	*15	*16	*57	*3
30 Mar 2026	*5	*2	*4	*24	*15	*16	*57	*3
31 Mar 2026	*5	*2	*4	*24	*15	*16	*57	*3

\* 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
04 Mar 2026	IC	IC	IC	IC	IC	IC	IC	IC
11 Mar 2026	IC	IC	IC	IC	IC	IC	IC	IC
18 Mar 2026	IC	IC	IC	IC	IC	IC	IC	IC
25 Mar 2026	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
04 Mar 2026	IC	IC	IC	IC	IC	IC	IC	IC
11 Mar 2026	IC	IC	IC	IC	IC	IC	IC	IC
18 Mar 2026	IC	IC	IC	IC	IC	IC	IC	IC
25 Mar 2026	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

**Table 2.8**

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

Station	Date	Time	Total	Fecal	Entero
D10	04 Mar 2026	906	<20	14e	6e
D10	11 Mar 2026	946	8e	<2	2e
D10	18 Mar 2026	911	<20	22e	6e
D10	25 Mar 2026	936	20e	8e	2e
D11	04 Mar 2026	848	22e	8e	2e
D11	11 Mar 2026	926	80e	10e	<2
D11	18 Mar 2026	850	<20	8e	24e
D11	25 Mar 2026	1015	300e	28e	24e
D12	04 Mar 2026	818	6e	2e	<2
D12	11 Mar 2026	901	<2	2e	4e
D12	18 Mar 2026	828	2e	<2	8e
D12	25 Mar 2026	1043	<2	<2	<2
D4	04 Mar 2026	1033	20e	2e	2e
D4	11 Mar 2026	1131	<2	<2	<2
D4	18 Mar 2026	1159	2e	<2	<2
D4	25 Mar 2026	816	6e	<2	<2
D5	04 Mar 2026	1052	2e	4e	2e
D5	11 Mar 2026	1109	<2	<2	2e
D5	18 Mar 2026	1026	<2	<2	2e
D5	25 Mar 2026	756	<2	<2	<2
D7	04 Mar 2026	1006	2e	<2	<2
D7	11 Mar 2026	1039	2e	<2	<2
D7	18 Mar 2026	1003	20e	18e	16e
D7	25 Mar 2026	848	<2	<2	<2
D8	04 Mar 2026	943	20e	10e	4e
D8	11 Mar 2026	1021	<20	<2	<2
D8	18 Mar 2026	950	44	18e	98
D8	25 Mar 2026	906	20e	<2	<2
D9	04 Mar 2026	926	<20	22e	2e
D9	11 Mar 2026	1003	8e	<2	<2
D9	18 Mar 2026	939	22e	8e	2e
D9	25 Mar 2026	923	14e	<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	04 Mar 2026	Arrive Time	1033
D4	04 Mar 2026	Wind Speed (kts)	1.3
D4	04 Mar 2026	Wind Dir	NW
D4	04 Mar 2026	Animal Life	Bird-14;
D4	04 Mar 2026	Floatables	
D4	04 Mar 2026	Current Direction	S
D4	04 Mar 2026	Water Temp (C)	13.5
D4	04 Mar 2026	High Tide Time	913
D4	04 Mar 2026	Low Tide Time	320
D4	04 Mar 2026	Comments	Water clear; Trash-0; Seagrass;Kelp
D4	11 Mar 2026	Arrive Time	1131
D4	11 Mar 2026	Wind Speed (kts)	5.2
D4	11 Mar 2026	Wind Dir	NW
D4	11 Mar 2026	Animal Life	Bird-4;
D4	11 Mar 2026	Floatables	
D4	11 Mar 2026	Current Direction	S
D4	11 Mar 2026	Water Temp (C)	15.4
D4	11 Mar 2026	High Tide Time	228
D4	11 Mar 2026	Low Tide Time	1204
D4	11 Mar 2026	Comments	Water clear; Trash-1; Seagrass;Kelp
D4	18 Mar 2026	Arrive Time	1159
D4	18 Mar 2026	Wind Speed (kts)	3.4
D4	18 Mar 2026	Wind Dir	W
D4	18 Mar 2026	Animal Life	
D4	18 Mar 2026	Floatables	
D4	18 Mar 2026	Current Direction	S
D4	18 Mar 2026	Water Temp (C)	16.4
D4	18 Mar 2026	High Tide Time	916
D4	18 Mar 2026	Low Tide Time	320
D4	18 Mar 2026	Comments	Water clear; Trash-3; Kelp;Algae
D4	25 Mar 2026	Arrive Time	816
D4	25 Mar 2026	Wind Speed (kts)	3.3
D4	25 Mar 2026	Wind Dir	NW
D4	25 Mar 2026	Animal Life	Bird-10;
D4	25 Mar 2026	Floatables	
D4	25 Mar 2026	Current Direction	S
D4	25 Mar 2026	Water Temp (C)	15.7
D4	25 Mar 2026	High Tide Time	204
D4	25 Mar 2026	Low Tide Time	1038
D4	25 Mar 2026	Comments	Water clear; Trash-2; Algae;Seagrass;Kelp
D5	04 Mar 2026	Arrive Time	1052
D5	04 Mar 2026	Wind Speed (kts)	0
D5	04 Mar 2026	Wind Dir	XX
D5	04 Mar 2026	Animal Life	Bird-1;
D5	04 Mar 2026	Floatables	
D5	04 Mar 2026	Current Direction	S
D5	04 Mar 2026	Water Temp (C)	14
D5	04 Mar 2026	High Tide Time	913
D5	04 Mar 2026	Low Tide Time	320
D5	04 Mar 2026	Comments	Water clear; Trash-2; Algae;Seagrass; Dead bird waters edge
D5	11 Mar 2026	Arrive Time	1109

Station	Date	Parameter	Value
D5	11 Mar 2026	Wind Speed (kts)	4.2
D5	11 Mar 2026	Wind Dir	NW
D5	11 Mar 2026	Animal Life	
D5	11 Mar 2026	Floatables	
D5	11 Mar 2026	Current Direction	S
D5	11 Mar 2026	Water Temp (C)	15.1
D5	11 Mar 2026	High Tide Time	228
D5	11 Mar 2026	Low Tide Time	1204
D5	11 Mar 2026	Comments	Water clear; Trash-1; Kelp;Seagrass
D5	18 Mar 2026	Arrive Time	1026
D5	18 Mar 2026	Wind Speed (kts)	0.3
D5	18 Mar 2026	Wind Dir	W
D5	18 Mar 2026	Animal Life	
D5	18 Mar 2026	Floatables	
D5	18 Mar 2026	Current Direction	S
D5	18 Mar 2026	Water Temp (C)	16.8
D5	18 Mar 2026	High Tide Time	916
D5	18 Mar 2026	Low Tide Time	320
D5	18 Mar 2026	Comments	Water clear; Trash-1; Seagrass;Algae
D5	25 Mar 2026	Arrive Time	756
D5	25 Mar 2026	Wind Speed (kts)	2.7
D5	25 Mar 2026	Wind Dir	N
D5	25 Mar 2026	Animal Life	
D5	25 Mar 2026	Floatables	
D5	25 Mar 2026	Current Direction	S
D5	25 Mar 2026	Water Temp (C)	16.6
D5	25 Mar 2026	High Tide Time	204
D5	25 Mar 2026	Low Tide Time	1038
D5	25 Mar 2026	Comments	Water clear; Trash-2; Algae;Seagrass; Sewage-like odor
D7	04 Mar 2026	Arrive Time	1006
D7	04 Mar 2026	Wind Speed (kts)	3.1
D7	04 Mar 2026	Wind Dir	N
D7	04 Mar 2026	Animal Life	
D7	04 Mar 2026	Floatables	
D7	04 Mar 2026	Current Direction	S
D7	04 Mar 2026	Water Temp (C)	15.1
D7	04 Mar 2026	High Tide Time	913
D7	04 Mar 2026	Low Tide Time	320
D7	04 Mar 2026	Comments	Water clear; Surfer/Paddle boarder-2; Trash-2; Algae;Sea-grass; Person/Walker/Jogger-1
D7	11 Mar 2026	Arrive Time	1039
D7	11 Mar 2026	Wind Speed (kts)	0.5
D7	11 Mar 2026	Wind Dir	W
D7	11 Mar 2026	Animal Life	Bird-7;
D7	11 Mar 2026	Floatables	
D7	11 Mar 2026	Current Direction	S
D7	11 Mar 2026	Water Temp (C)	14.5
D7	11 Mar 2026	High Tide Time	228
D7	11 Mar 2026	Low Tide Time	1204
D7	11 Mar 2026	Comments	Water clear; Surfer/Paddle boarder-10; Trash-1; Seagrass
D7	18 Mar 2026	Arrive Time	1003
D7	18 Mar 2026	Wind Speed (kts)	0
D7	18 Mar 2026	Wind Dir	XX
D7	18 Mar 2026	Animal Life	
D7	18 Mar 2026	Floatables	
D7	18 Mar 2026	Current Direction	S

Station	Date	Parameter	Value
D7	18 Mar 2026	Water Temp (C)	16.1
D7	18 Mar 2026	High Tide Time	916
D7	18 Mar 2026	Low Tide Time	320
D7	18 Mar 2026	Comments	Water clear; Fisherpersion-1; Trash-1; Algae;Kelp;Seagrass
D7	25 Mar 2026	Arrive Time	848
D7	25 Mar 2026	Wind Speed (kts)	5
D7	25 Mar 2026	Wind Dir	NW
D7	25 Mar 2026	Animal Life	Bird-5; Pelican-5;
D7	25 Mar 2026	Floatables	
D7	25 Mar 2026	Current Direction	S
D7	25 Mar 2026	Water Temp (C)	15.3
D7	25 Mar 2026	High Tide Time	204
D7	25 Mar 2026	Low Tide Time	1038
D7	25 Mar 2026	Comments	Water clear; Trash-2; Algae;Seagrass;Kelp
D8	04 Mar 2026	Arrive Time	943
D8	04 Mar 2026	Wind Speed (kts)	0
D8	04 Mar 2026	Wind Dir	XX
D8	04 Mar 2026	Animal Life	Bird-2;
D8	04 Mar 2026	Floatables	
D8	04 Mar 2026	Current Direction	S
D8	04 Mar 2026	Water Temp (C)	16.6
D8	04 Mar 2026	High Tide Time	913
D8	04 Mar 2026	Low Tide Time	320
D8	04 Mar 2026	Comments	Water clear; Trash-3; Seagrass;Kelp;Algae;Debris; Person/Walker/Jogger-1
D8	11 Mar 2026	Arrive Time	1021
D8	11 Mar 2026	Wind Speed (kts)	4.1
D8	11 Mar 2026	Wind Dir	NW
D8	11 Mar 2026	Animal Life	Dog-2;
D8	11 Mar 2026	Floatables	
D8	11 Mar 2026	Current Direction	S
D8	11 Mar 2026	Water Temp (C)	15.3
D8	11 Mar 2026	High Tide Time	228
D8	11 Mar 2026	Low Tide Time	1204
D8	11 Mar 2026	Comments	Water clear; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-9
D8	18 Mar 2026	Arrive Time	950
D8	18 Mar 2026	Wind Speed (kts)	1.9
D8	18 Mar 2026	Wind Dir	W
D8	18 Mar 2026	Animal Life	
D8	18 Mar 2026	Floatables	
D8	18 Mar 2026	Current Direction	S
D8	18 Mar 2026	Water Temp (C)	16.4
D8	18 Mar 2026	High Tide Time	916
D8	18 Mar 2026	Low Tide Time	320
D8	18 Mar 2026	Comments	Water clear; Trash-1; Algae;Seagrass;Kelp
D8	25 Mar 2026	Arrive Time	906
D8	25 Mar 2026	Wind Speed (kts)	1.7
D8	25 Mar 2026	Wind Dir	N
D8	25 Mar 2026	Animal Life	Dog-4;
D8	25 Mar 2026	Floatables	
D8	25 Mar 2026	Current Direction	S
D8	25 Mar 2026	Water Temp (C)	16.5
D8	25 Mar 2026	High Tide Time	204
D8	25 Mar 2026	Low Tide Time	1038

Station	Date	Parameter	Value
D8	25 Mar 2026	Comments	Water clear; Trash-2; Seagrass;Algae;Kelp; Person/Walker/Jogger-3; Sewage-like odor
D9	04 Mar 2026	Arrive Time	926
D9	04 Mar 2026	Wind Speed (kts)	0.1
D9	04 Mar 2026	Wind Dir	N
D9	04 Mar 2026	Animal Life	
D9	04 Mar 2026	Floatables	
D9	04 Mar 2026	Current Direction	S
D9	04 Mar 2026	Water Temp (C)	14.1
D9	04 Mar 2026	High Tide Time	913
D9	04 Mar 2026	Low Tide Time	320
D9	04 Mar 2026	Comments	Water clear; Trash-2; Algae; Person/Walker/Jogger-1
D9	11 Mar 2026	Arrive Time	1003
D9	11 Mar 2026	Wind Speed (kts)	1.7
D9	11 Mar 2026	Wind Dir	NW
D9	11 Mar 2026	Animal Life	Bird-3;
D9	11 Mar 2026	Floatables	
D9	11 Mar 2026	Current Direction	S
D9	11 Mar 2026	Water Temp (C)	16
D9	11 Mar 2026	High Tide Time	228
D9	11 Mar 2026	Low Tide Time	1204
D9	11 Mar 2026	Comments	Water clear; Surfer/Paddle boarder-4; Trash-2; Seagrass
D9	18 Mar 2026	Arrive Time	939
D9	18 Mar 2026	Wind Speed (kts)	0
D9	18 Mar 2026	Wind Dir	XX
D9	18 Mar 2026	Animal Life	Dog-1;
D9	18 Mar 2026	Floatables	
D9	18 Mar 2026	Current Direction	S
D9	18 Mar 2026	Water Temp (C)	16.7
D9	18 Mar 2026	High Tide Time	916
D9	18 Mar 2026	Low Tide Time	320
D9	18 Mar 2026	Comments	Water clear; Trash-2; Algae; Person/Walker/Jogger-2
D9	25 Mar 2026	Arrive Time	923
D9	25 Mar 2026	Wind Speed (kts)	2.7
D9	25 Mar 2026	Wind Dir	NW
D9	25 Mar 2026	Animal Life	Dog-2;
D9	25 Mar 2026	Floatables	
D9	25 Mar 2026	Current Direction	S
D9	25 Mar 2026	Water Temp (C)	17.9
D9	25 Mar 2026	High Tide Time	204
D9	25 Mar 2026	Low Tide Time	1038
D9	25 Mar 2026	Comments	Water clear; Trash-2; Algae;Seagrass; Person/Walker/Jogger-4
D10	04 Mar 2026	Arrive Time	906
D10	04 Mar 2026	Wind Speed (kts)	1.5
D10	04 Mar 2026	Wind Dir	W
D10	04 Mar 2026	Animal Life	Bird-12;
D10	04 Mar 2026	Floatables	
D10	04 Mar 2026	Current Direction	S
D10	04 Mar 2026	Water Temp (C)	14
D10	04 Mar 2026	High Tide Time	913
D10	04 Mar 2026	Low Tide Time	320
D10	04 Mar 2026	Comments	Water clear; Boogie boarder/Swimmer-2; Surfer/Paddle boarder-12; Trash-2; Seagrass;Kelp; Person/Walker/Jogger-4

Station	Date	Parameter	Value
D10	11 Mar 2026	Arrive Time	946
D10	11 Mar 2026	Wind Speed (kts)	2.1
D10	11 Mar 2026	Wind Dir	NW
D10	11 Mar 2026	Animal Life	Bird-5;
D10	11 Mar 2026	Floatables	
D10	11 Mar 2026	Current Direction	S
D10	11 Mar 2026	Water Temp (C)	14.1
D10	11 Mar 2026	High Tide Time	228
D10	11 Mar 2026	Low Tide Time	1204
D10	11 Mar 2026	Comments	Water clear; Surfer/Paddle boarder-18; Trash-2; Kelp;Sea-grass; Person/Walker/Jogger-7
D10	18 Mar 2026	Arrive Time	911
D10	18 Mar 2026	Wind Speed (kts)	2.5
D10	18 Mar 2026	Wind Dir	W
D10	18 Mar 2026	Animal Life	Bird-6;
D10	18 Mar 2026	Floatables	
D10	18 Mar 2026	Current Direction	S
D10	18 Mar 2026	Water Temp (C)	16
D10	18 Mar 2026	High Tide Time	916
D10	18 Mar 2026	Low Tide Time	320
D10	18 Mar 2026	Comments	Water clear; Boogie boarder/Swimmer-3; Surfer/Paddle boarder-9; Trash-3; Seagrass;Kelp;Algae;Debris
D10	25 Mar 2026	Arrive Time	936
D10	25 Mar 2026	Wind Speed (kts)	4.8
D10	25 Mar 2026	Wind Dir	NW
D10	25 Mar 2026	Animal Life	Bird-1;
D10	25 Mar 2026	Floatables	
D10	25 Mar 2026	Current Direction	S
D10	25 Mar 2026	Water Temp (C)	18.1
D10	25 Mar 2026	High Tide Time	204
D10	25 Mar 2026	Low Tide Time	1038
D10	25 Mar 2026	Comments	Water clear; Surfer/Paddle boarder-7; Trash-2; Sea-grass;Kelp;Algae; Person/Walker/Jogger-8
D11	04 Mar 2026	Arrive Time	848
D11	04 Mar 2026	Wind Speed (kts)	0.9
D11	04 Mar 2026	Wind Dir	W
D11	04 Mar 2026	Animal Life	Bird-4;
D11	04 Mar 2026	Floatables	
D11	04 Mar 2026	Current Direction	S
D11	04 Mar 2026	Water Temp (C)	13.3
D11	04 Mar 2026	High Tide Time	913
D11	04 Mar 2026	Low Tide Time	320
D11	04 Mar 2026	Comments	Water clear; Surfer/Paddle boarder-12; Trash-2; Kelp;Sea-grass; Person/Walker/Jogger-5
D11	11 Mar 2026	Arrive Time	926
D11	11 Mar 2026	Wind Speed (kts)	1.1
D11	11 Mar 2026	Wind Dir	W
D11	11 Mar 2026	Animal Life	
D11	11 Mar 2026	Floatables	Foam
D11	11 Mar 2026	Current Direction	S
D11	11 Mar 2026	Water Temp (C)	14.2
D11	11 Mar 2026	High Tide Time	228
D11	11 Mar 2026	Low Tide Time	1204
D11	11 Mar 2026	Comments	Water clear; Surfer/Paddle boarder-12; Trash-1; Kelp;Sea-grass; Person/Walker/Jogger-10
D11	18 Mar 2026	Arrive Time	850

Station	Date	Parameter	Value
D11	18 Mar 2026	Wind Speed (kts)	2.9
D11	18 Mar 2026	Wind Dir	W
D11	18 Mar 2026	Animal Life	Bird-3;
D11	18 Mar 2026	Floatables	Foam
D11	18 Mar 2026	Current Direction	S
D11	18 Mar 2026	Water Temp (C)	16.1
D11	18 Mar 2026	High Tide Time	916
D11	18 Mar 2026	Low Tide Time	320
D11	18 Mar 2026	Comments	Water clear; Surfer/Paddle boarder-2; Trash-3; Kelp;Sea-grass;Algae;Debris; Person/Walker/Jogger-6
D11	25 Mar 2026	Arrive Time	1015
D11	25 Mar 2026	Wind Speed (kts)	7.1
D11	25 Mar 2026	Wind Dir	N
D11	25 Mar 2026	Animal Life	Dog-3;
D11	25 Mar 2026	Floatables	
D11	25 Mar 2026	Current Direction	S
D11	25 Mar 2026	Water Temp (C)	18.4
D11	25 Mar 2026	High Tide Time	204
D11	25 Mar 2026	Low Tide Time	1038
D11	25 Mar 2026	Comments	Water clear; Trash-2; Kelp;Seagrass;Algae; Per-son/Walker/Jogger-7
D12	04 Mar 2026	Arrive Time	818
D12	04 Mar 2026	Wind Speed (kts)	2.1
D12	04 Mar 2026	Wind Dir	E
D12	04 Mar 2026	Animal Life	
D12	04 Mar 2026	Floatables	
D12	04 Mar 2026	Current Direction	S
D12	04 Mar 2026	Water Temp (C)	14.2
D12	04 Mar 2026	High Tide Time	913
D12	04 Mar 2026	Low Tide Time	320
D12	04 Mar 2026	Comments	Water clear; Trash-2; Seagrass;Kelp; Person/Walker/Jogger-5
D12	11 Mar 2026	Arrive Time	901
D12	11 Mar 2026	Wind Speed (kts)	1.1
D12	11 Mar 2026	Wind Dir	NW
D12	11 Mar 2026	Animal Life	Bird-6;
D12	11 Mar 2026	Floatables	
D12	11 Mar 2026	Current Direction	S
D12	11 Mar 2026	Water Temp (C)	13.5
D12	11 Mar 2026	High Tide Time	228
D12	11 Mar 2026	Low Tide Time	1204
D12	11 Mar 2026	Comments	Water clear; Surfer/Paddle boarder-11; Trash-2; Kelp;Sea-grass; Person/Walker/Jogger-6
D12	18 Mar 2026	Arrive Time	828
D12	18 Mar 2026	Wind Speed (kts)	0.7
D12	18 Mar 2026	Wind Dir	SW
D12	18 Mar 2026	Animal Life	
D12	18 Mar 2026	Floatables	
D12	18 Mar 2026	Current Direction	S
D12	18 Mar 2026	Water Temp (C)	14.4
D12	18 Mar 2026	High Tide Time	916
D12	18 Mar 2026	Low Tide Time	320
D12	18 Mar 2026	Comments	Water clear; Boogie boarder/Swimmer-1; Surfer/Paddle boarder-7; Fisherpersion-1; Trash-2; Kelp;Seagrass;Al-gae;Debris; Person/Walker/Jogger-5
D12	25 Mar 2026	Arrive Time	1043

<b>Station</b>	<b>Date</b>	<b>Parameter</b>	<b>Value</b>
D12	25 Mar 2026	Wind Speed (kts)	9.3
D12	25 Mar 2026	Wind Dir	NW
D12	25 Mar 2026	Animal Life	Seagull-3;
D12	25 Mar 2026	Floatables	
D12	25 Mar 2026	Current Direction	S
D12	25 Mar 2026	Water Temp (C)	17.2
D12	25 Mar 2026	High Tide Time	204
D12	25 Mar 2026	Low Tide Time	1038
D12	25 Mar 2026	Comments	Water clear; Boogie boarder/Swimmer-5; Fisherpersion-2; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-35

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# Kelp Stations



**Table 3.1**

Summary of compliance with the Ocean Plan's 30-day Geometric Mean standard for fecal coliform bacteria at the 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 Mar 2026	*3	*3	*4	*2	*3	*3	*2	*2
02 Mar 2026	*3	*3	*4	*2	*3	*3	*2	*2
03 Mar 2026	4	3	4	2	3	3	2	2
04 Mar 2026	*4	*3	*5	*2	*3	*3	*2	*2
05 Mar 2026	*4	*3	*5	*2	*3	*3	*2	*2
06 Mar 2026	*4	*3	*5	*2	*3	*3	*2	*2
07 Mar 2026	*4	*3	*5	*2	*3	*3	*2	*2
08 Mar 2026	*4	*3	*5	*2	*3	*3	*2	*2
09 Mar 2026	*4	*3	*5	*2	*3	*3	*2	*2
10 Mar 2026	4	3	4	2	3	3	2	2
11 Mar 2026	*3	*3	*4	*2	*3	*3	*2	*2
12 Mar 2026	*3	*3	*4	*2	*3	*3	*2	*2
13 Mar 2026	*3	*3	*4	*2	*3	*3	*2	*2
14 Mar 2026	*3	*3	*4	*2	*3	*3	*2	*2
15 Mar 2026	*3	*3	*4	*2	*3	*3	*2	*2
16 Mar 2026	*3	*3	*4	*2	*3	*3	*2	*2
17 Mar 2026	3	3	4	2	3	3	2	2
18 Mar 2026	3	3	4	2	3	3	2	2
19 Mar 2026	3	3	4	2	3	3	2	2
20 Mar 2026	3	3	4	2	3	3	2	2
21 Mar 2026	*3	*2	*4	*2	*2	*2	*2	*2
22 Mar 2026	*3	*2	*4	*2	*2	*2	*2	*2
23 Mar 2026	*3	*2	*4	*2	*2	*2	*2	*2
24 Mar 2026	3	2	3	2	2	2	2	2
25 Mar 2026	3	2	3	2	2	2	2	2
26 Mar 2026	*2	*2	*3	*2	*2	*2	*2	*2
27 Mar 2026	*2	*2	*3	*2	*2	*2	*2	*2
28 Mar 2026	*2	*2	*3	*2	*2	*2	*2	*2
29 Mar 2026	*2	*2	*3	*2	*2	*2	*2	*2
30 Mar 2026	3	2	3	2	2	2	2	2
31 Mar 2026	3	2	3	2	2	2	2	2

\* Geometric mean calculated using n<5

### Table 3.2

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
03 Mar 2026	IC	IC	IC	IC	IC	IC	IC	IC
10 Mar 2026	IC	IC	IC	IC	IC	IC	IC	IC
17 Mar 2026	IC	IC	IC	IC	IC	IC	IC	IC
24 Mar 2026	IC	IC	IC	IC	IC	IC	IC	IC
30 Mar 2026	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 Mar 2026	*2	*2	*2	*2	*3	*3	*2	*2
02 Mar 2026	*2	*2	*2	*2	*3	*3	*2	*2
03 Mar 2026	2	2	2	2	3	3	2	2
04 Mar 2026	*2	*2	*2	*2	*3	*3	*2	*2
05 Mar 2026	*2	*2	*2	*2	*3	*3	*2	*2
06 Mar 2026	*2	*2	*2	*2	*3	*3	*2	*2
07 Mar 2026	*2	*2	*2	*2	*3	*3	*2	*2
08 Mar 2026	*2	*2	*2	*2	*3	*3	*2	*2
09 Mar 2026	*2	*2	*2	*2	*3	*3	*2	*2
10 Mar 2026	2	2	2	2	3	3	2	2
11 Mar 2026	*2	*2	*2	*2	*3	*3	*2	*2
12 Mar 2026	*2	*2	*2	*2	*3	*3	*2	*2
13 Mar 2026	*2	*2	*2	*2	*3	*3	*2	*2
14 Mar 2026	*2	*2	*2	*2	*3	*3	*2	*2
15 Mar 2026	*2	*2	*2	*2	*3	*3	*2	*2
16 Mar 2026	*2	*2	*2	*2	*3	*3	*2	*2
17 Mar 2026	2	4	2	2	3	3	2	2
18 Mar 2026	2	4	2	2	3	3	2	2
19 Mar 2026	2	4	2	2	3	3	2	2
20 Mar 2026	2	4	2	2	3	3	2	2
21 Mar 2026	*2	*4	*2	*2	*2	*2	*2	*2
22 Mar 2026	*2	*4	*2	*2	*2	*2	*2	*2
23 Mar 2026	*2	*4	*2	*2	*2	*2	*2	*2
24 Mar 2026	2	4	2	2	2	2	2	2
25 Mar 2026	2	4	2	2	2	2	2	2
26 Mar 2026	*2	*4	*2	*2	*2	*2	*2	*2
27 Mar 2026	*2	*4	*2	*2	*2	*2	*2	*2
28 Mar 2026	*2	*4	*2	*2	*2	*2	*2	*2
29 Mar 2026	*2	*4	*2	*2	*2	*2	*2	*2
30 Mar 2026	2	3	2	2	2	2	2	2
31 Mar 2026	2	3	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
03 Mar 2026	IC	IC	IC	IC	IC	IC	IC	IC
10 Mar 2026	IC	IC	IC	IC	IC	IC	IC	IC
17 Mar 2026	IC	IC	IC	IC	IC	IC	IC	IC
24 Mar 2026	IC	IC	IC	IC	IC	IC	IC	IC
30 Mar 2026	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 Mar 2026	*11	*19	*14	*7	*7	*6	*4	*5
02 Mar 2026	*11	*19	*14	*7	*7	*6	*4	*5
03 Mar 2026	14	12	19	6	6	5	4	4
04 Mar 2026	*24	*16	*27	*5	*7	*6	*5	*4
05 Mar 2026	*24	*16	*27	*5	*7	*6	*5	*4
06 Mar 2026	*24	*16	*27	*5	*7	*6	*5	*4
07 Mar 2026	*24	*16	*27	*5	*7	*6	*5	*4
08 Mar 2026	*24	*16	*27	*5	*7	*6	*5	*4
09 Mar 2026	*24	*16	*27	*5	*7	*6	*5	*4
10 Mar 2026	14	11	16	4	6	5	4	3
11 Mar 2026	*12	*9	*17	*3	*5	*5	*4	*4
12 Mar 2026	*12	*9	*17	*3	*5	*5	*4	*4
13 Mar 2026	*12	*9	*17	*3	*5	*5	*4	*4
14 Mar 2026	*12	*9	*17	*3	*5	*5	*4	*4
15 Mar 2026	*12	*9	*17	*3	*5	*5	*4	*4
16 Mar 2026	*12	*9	*17	*3	*5	*5	*4	*4
17 Mar 2026	8	6	11	3	4	5	4	3
18 Mar 2026	8	6	11	3	4	5	4	3
19 Mar 2026	8	6	11	3	4	5	4	3
20 Mar 2026	8	6	11	3	4	5	4	3
21 Mar 2026	*8	*4	*8	*3	*2	*2	*4	*4
22 Mar 2026	*8	*4	*8	*3	*2	*2	*4	*4
23 Mar 2026	*8	*4	*8	*3	*2	*2	*4	*4
24 Mar 2026	6	3	8	3	2	2	3	3
25 Mar 2026	6	3	8	3	2	2	3	3
26 Mar 2026	*4	*2	*7	*2	*2	*2	*2	*2
27 Mar 2026	*4	*2	*7	*2	*2	*2	*2	*2
28 Mar 2026	*4	*2	*7	*2	*2	*2	*2	*2
29 Mar 2026	*4	*2	*7	*2	*2	*2	*2	*2
30 Mar 2026	7	3	9	2	2	3	3	2
31 Mar 2026	7	3	9	2	2	3	3	2

- 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
03 Mar 2026	IC	IC	IC	IC	IC	IC	IC	IC
10 Mar 2026	IC	IC	IC	IC	IC	IC	IC	IC
17 Mar 2026	IC	IC	IC	IC	IC	IC	IC	IC
24 Mar 2026	IC	IC	IC	IC	IC	IC	IC	IC
30 Mar 2026	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

### Table 3.7

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
03 Mar 2026	IC	IC	IC	IC	IC	IC	IC	IC
10 Mar 2026	IC	IC	IC	IC	IC	IC	IC	IC
17 Mar 2026	IC	IC	IC	IC	IC	IC	IC	IC
24 Mar 2026	IC	IC	IC	IC	IC	IC	IC	IC
30 Mar 2026	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

**Table 3.8**

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

Station	Date	Time	Depth	Total	Fecal	Entero
A1	03 Mar 2026	753	1	8e	<2	<2
A1	03 Mar 2026	753	12	<2	<2	<2
A1	03 Mar 2026	753	18	100e	10e	4e
A1	10 Mar 2026	914	1	<2	<2	<2
A1	10 Mar 2026	914	12	<2	<2	<2
A1	10 Mar 2026	914	18	2e	<2	<2
A1	17 Mar 2026	801	1	<2	<2	<2
A1	17 Mar 2026	801	12	<2	<2	<2
A1	17 Mar 2026	801	18	<2	<2	<2
A1	24 Mar 2026	827	1	<2	<2	<2
A1	24 Mar 2026	827	12	<2	<2	<2
A1	24 Mar 2026	827	18	4e	<2	<2
A1	30 Mar 2026	758	1	2e	<2	<2
A1	30 Mar 2026	758	12	14e	<2	<2
A1	30 Mar 2026	758	18	84	6e	2e
A6	03 Mar 2026	819	1	<2	<2	<2
A6	03 Mar 2026	819	12	<2	<2	<2
A6	03 Mar 2026	819	18	2e	2e	<2
A6	10 Mar 2026	937	1	<2	<2	<2
A6	10 Mar 2026	937	12	<2	<2	<2
A6	10 Mar 2026	937	18	<2	<2	<2
A6	17 Mar 2026	825	1	<2	<2	<2
A6	17 Mar 2026	825	12	<2	<2	80e
A6	17 Mar 2026	825	18	<2	<2	<2
A6	24 Mar 2026	858	1	<2	<2	<2
A6	24 Mar 2026	858	12	<2	<2	<2
A6	24 Mar 2026	858	18	2e	<2	<2
A6	30 Mar 2026	829	1	<2	<2	<2
A6	30 Mar 2026	829	12	4e	<2	<2
A6	30 Mar 2026	829	18	46	10e	<2
A7	03 Mar 2026	806	1	2e	2e	<2
A7	03 Mar 2026	806	12	80e	4e	<2
A7	03 Mar 2026	806	18	120e	24e	<2
A7	10 Mar 2026	925	1	<2	<2	<2
A7	10 Mar 2026	925	12	<2	<2	<2
A7	10 Mar 2026	925	18	<2	<2	<2
A7	17 Mar 2026	813	1	<2	<2	<2
A7	17 Mar 2026	813	12	<2	<2	<2
A7	17 Mar 2026	813	18	2e	<2	<2

Station	Date	Time	Depth	Total	Fecal	Entero
A7	24 Mar 2026	842	1	<2	<2	<2
A7	24 Mar 2026	842	12	12e	<2	<2
A7	24 Mar 2026	842	18	14e	2e	<2
A7	30 Mar 2026	818	1	<2	<2	<2
A7	30 Mar 2026	818	12	8e	<2	2e
A7	30 Mar 2026	818	18	46	6e	2e
C4	03 Mar 2026	927	1	2e	<2	<2
C4	03 Mar 2026	927	3	<2	<2	<2
C4	03 Mar 2026	927	9	4e	<2	<2
C4	10 Mar 2026	1049	1	<2	<2	<2
C4	10 Mar 2026	1049	3	2e	<2	<2
C4	10 Mar 2026	1049	9	2e	2e	<2
C4	17 Mar 2026	930	1	<2	<2	<2
C4	17 Mar 2026	930	3	<2	<2	<2
C4	17 Mar 2026	930	9	<2	<2	<2
C4	24 Mar 2026	1003	1	<2	<2	<2
C4	24 Mar 2026	1003	3	<2	<2	4e
C4	24 Mar 2026	1003	9	<2	<2	<2
C4	30 Mar 2026	939	1	<2	<2	<2
C4	30 Mar 2026	939	3	<2	<2	<2
C4	30 Mar 2026	939	9	<2	<2	<2
C5	03 Mar 2026	916	1	2e	<2	<2
C5	03 Mar 2026	916	3	2e	2e	<2
C5	03 Mar 2026	916	9	2e	<2	<2
C5	10 Mar 2026	1037	1	4e	2e	<2
C5	10 Mar 2026	1037	3	2e	6e	<2
C5	10 Mar 2026	1037	9	2e	2e	<2
C5	17 Mar 2026	922	1	<2	<2	<2
C5	17 Mar 2026	922	3	<2	<2	<2
C5	17 Mar 2026	922	9	<2	<2	<2
C5	24 Mar 2026	954	1	2e	<2	<2
C5	24 Mar 2026	954	3	<2	<2	<2
C5	24 Mar 2026	954	9	<2	<2	<2
C5	30 Mar 2026	924	1	<2	<2	<2
C5	30 Mar 2026	924	3	<2	<2	<2
C5	30 Mar 2026	924	9	<2	<2	<2
C6	03 Mar 2026	904	1	2e	<2	<2
C6	03 Mar 2026	904	3	<2	<2	<2
C6	03 Mar 2026	904	9	2e	<2	<2
C6	10 Mar 2026	1027	1	2e	<2	<2
C6	10 Mar 2026	1027	3	<2	<2	<2
C6	10 Mar 2026	1027	9	<2	<2	<2
C6	17 Mar 2026	911	1	4e	<2	2e
C6	17 Mar 2026	911	3	4e	<2	<2
C6	17 Mar 2026	911	9	<2	<2	<2

Station	Date	Time	Depth	Total	Fecal	Entero
C6	24 Mar 2026	945	1	<2	<2	<2
C6	24 Mar 2026	945	3	<2	<2	<2
C6	24 Mar 2026	945	9	<2	<2	<2
C6	30 Mar 2026	915	1	<2	<2	<2
C6	30 Mar 2026	915	3	<2	<2	<2
C6	30 Mar 2026	915	9	<20	<2	<2
C7	03 Mar 2026	833	1	<2	<2	<2
C7	03 Mar 2026	833	12	2e	<2	<2
C7	03 Mar 2026	833	18	6e	<2	<2
C7	10 Mar 2026	951	1	<2	<2	<2
C7	10 Mar 2026	951	12	<2	<2	<2
C7	10 Mar 2026	951	18	2e	<2	<2
C7	17 Mar 2026	840	1	<2	<2	<2
C7	17 Mar 2026	840	12	<2	<2	<2
C7	17 Mar 2026	840	18	<2	2e	<2
C7	24 Mar 2026	913	1	<2	<2	<2
C7	24 Mar 2026	913	12	<2	<2	<2
C7	24 Mar 2026	913	18	2e	<2	<2
C7	30 Mar 2026	844	1	<2	<2	<2
C7	30 Mar 2026	844	12	<2	<2	<2
C7	30 Mar 2026	844	18	12e	<2	2e
C8	03 Mar 2026	844	1	2e	<2	<2
C8	03 Mar 2026	844	12	<2	<2	<2
C8	03 Mar 2026	844	18	2e	<2	2e
C8	10 Mar 2026	1005	1	<2	<2	<2
C8	10 Mar 2026	1005	12	<2	<2	<2
C8	10 Mar 2026	1005	18	<2	<2	<2
C8	17 Mar 2026	852	1	<2	<2	<2
C8	17 Mar 2026	852	12	<2	<2	<2
C8	17 Mar 2026	852	18	<2	<2	<2
C8	24 Mar 2026	924	1	2e	<2	<2
C8	24 Mar 2026	924	12	<2	<2	<2
C8	24 Mar 2026	924	18	2e	<2	<2
C8	30 Mar 2026	854	1	<2	<2	<2
C8	30 Mar 2026	854	12	<2	<2	<2
C8	30 Mar 2026	854	18	2e	<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	03 Mar 2026	Arrive Time	753
A1	03 Mar 2026	Depart Time	759
A1	03 Mar 2026	Air Temp (C)	15.5
A1	03 Mar 2026	Visibility (mi)	10
A1	03 Mar 2026	Wind Speed (kts)	2.6
A1	03 Mar 2026	Wind Dir	SE
A1	03 Mar 2026	Sea State	Regular Swell
A1	03 Mar 2026	High Tide Time	836
A1	03 Mar 2026	Low Tide Time	1506
A1	03 Mar 2026	Comments	Kelp; Kelp Debris; Lobster Floats
A1	10 Mar 2026	Arrive Time	914
A1	10 Mar 2026	Depart Time	920
A1	10 Mar 2026	Air Temp (C)	16.2
A1	10 Mar 2026	Visibility (mi)	10
A1	10 Mar 2026	Wind Speed (kts)	2.6
A1	10 Mar 2026	Wind Dir	W
A1	10 Mar 2026	Sea State	Wind Ripples
A1	10 Mar 2026	High Tide Time	100
A1	10 Mar 2026	Low Tide Time	1012
A1	10 Mar 2026	Comments	kelp on ctd with recovery; Kelp; Kelp Debris
A1	17 Mar 2026	Arrive Time	801
A1	17 Mar 2026	Depart Time	807
A1	17 Mar 2026	Air Temp (C)	17.9
A1	17 Mar 2026	Visibility (mi)	10
A1	17 Mar 2026	Wind Speed (kts)	3.3
A1	17 Mar 2026	Wind Dir	W
A1	17 Mar 2026	Sea State	Regular Swell
A1	17 Mar 2026	High Tide Time	836
A1	17 Mar 2026	Low Tide Time	1512
A1	17 Mar 2026	Comments	CTD recovered with Kelp; Kelp; Kelp Debris
A1	24 Mar 2026	Arrive Time	827
A1	24 Mar 2026	Depart Time	841
A1	24 Mar 2026	Air Temp (C)	16.9
A1	24 Mar 2026	Visibility (mi)	5
A1	24 Mar 2026	Wind Speed (kts)	0
A1	24 Mar 2026	Wind Dir	NE
A1	24 Mar 2026	Sea State	Calm
A1	24 Mar 2026	High Tide Time	48
A1	24 Mar 2026	Low Tide Time	842
A1	24 Mar 2026	Comments	Kelp; Kelp Debris; CTD recovered with kelp
A1	30 Mar 2026	Arrive Time	758
A1	30 Mar 2026	Depart Time	813
A1	30 Mar 2026	Air Temp (C)	17
A1	30 Mar 2026	Visibility (mi)	6
A1	30 Mar 2026	Wind Speed (kts)	4
A1	30 Mar 2026	Wind Dir	S
A1	30 Mar 2026	Sea State	Light Chop
A1	30 Mar 2026	High Tide Time	812
A1	30 Mar 2026	Low Tide Time	1442
A1	30 Mar 2026	Comments	O2 sensor likely had bubbles through cast; recast; recovered with kelp on CTD; Kelp

Station	Date	Parameter	Value
C4	03 Mar 2026	Arrive Time	927
C4	03 Mar 2026	Depart Time	932
C4	03 Mar 2026	Air Temp (C)	16.4
C4	03 Mar 2026	Visibility (mi)	10
C4	03 Mar 2026	Wind Speed (kts)	1.3
C4	03 Mar 2026	Wind Dir	SE
C4	03 Mar 2026	Sea State	Regular Swell
C4	03 Mar 2026	High Tide Time	836
C4	03 Mar 2026	Low Tide Time	1506
C4	03 Mar 2026	Comments	nearby lobster vessel; small raft of birds; Lobster Floats
C4	10 Mar 2026	Arrive Time	1049
C4	10 Mar 2026	Depart Time	1052
C4	10 Mar 2026	Air Temp (C)	18.1
C4	10 Mar 2026	Visibility (mi)	10
C4	10 Mar 2026	Wind Speed (kts)	3.4
C4	10 Mar 2026	Wind Dir	W
C4	10 Mar 2026	Sea State	Regular Swell
C4	10 Mar 2026	High Tide Time	100
C4	10 Mar 2026	Low Tide Time	1012
C4	10 Mar 2026	Comments	Kelp; Kelp Debris; Lobster Floats
C4	17 Mar 2026	Arrive Time	930
C4	17 Mar 2026	Depart Time	934
C4	17 Mar 2026	Air Temp (C)	18.9
C4	17 Mar 2026	Visibility (mi)	10
C4	17 Mar 2026	Wind Speed (kts)	3.2
C4	17 Mar 2026	Wind Dir	NE
C4	17 Mar 2026	Sea State	Regular Swell
C4	17 Mar 2026	High Tide Time	836
C4	17 Mar 2026	Low Tide Time	1512
C4	17 Mar 2026	Comments	
C4	24 Mar 2026	Arrive Time	1003
C4	24 Mar 2026	Depart Time	1008
C4	24 Mar 2026	Air Temp (C)	17.4
C4	24 Mar 2026	Visibility (mi)	5
C4	24 Mar 2026	Wind Speed (kts)	2.2
C4	24 Mar 2026	Wind Dir	SW
C4	24 Mar 2026	Sea State	Calm
C4	24 Mar 2026	High Tide Time	48
C4	24 Mar 2026	Low Tide Time	842
C4	24 Mar 2026	Comments	kayaker; Kelp; Kelp Debris
C4	30 Mar 2026	Arrive Time	934
C4	30 Mar 2026	Depart Time	937
C4	30 Mar 2026	Air Temp (C)	17.8
C4	30 Mar 2026	Visibility (mi)	6
C4	30 Mar 2026	Wind Speed (kts)	3.2
C4	30 Mar 2026	Wind Dir	S
C4	30 Mar 2026	Sea State	Light Chop
C4	30 Mar 2026	High Tide Time	812
C4	30 Mar 2026	Low Tide Time	1442
C4	30 Mar 2026	Comments	
A7	03 Mar 2026	Arrive Time	806
A7	03 Mar 2026	Depart Time	810
A7	03 Mar 2026	Air Temp (C)	15.6
A7	03 Mar 2026	Visibility (mi)	10
A7	03 Mar 2026	Wind Speed (kts)	2.5
A7	03 Mar 2026	Wind Dir	S

Station	Date	Parameter	Value
A7	03 Mar 2026	Sea State	Regular Swell
A7	03 Mar 2026	High Tide Time	836
A7	03 Mar 2026	Low Tide Time	1506
A7	03 Mar 2026	Comments	
A7	10 Mar 2026	Arrive Time	925
A7	10 Mar 2026	Depart Time	931
A7	10 Mar 2026	Air Temp (C)	16.3
A7	10 Mar 2026	Visibility (mi)	10
A7	10 Mar 2026	Wind Speed (kts)	5.3
A7	10 Mar 2026	Wind Dir	W
A7	10 Mar 2026	Sea State	Regular Swell
A7	10 Mar 2026	High Tide Time	100
A7	10 Mar 2026	Low Tide Time	1012
A7	10 Mar 2026	Comments	Kelp Debris
A7	17 Mar 2026	Arrive Time	813
A7	17 Mar 2026	Depart Time	817
A7	17 Mar 2026	Air Temp (C)	17.6
A7	17 Mar 2026	Visibility (mi)	10
A7	17 Mar 2026	Wind Speed (kts)	1.2
A7	17 Mar 2026	Wind Dir	NW
A7	17 Mar 2026	Sea State	Regular Swell
A7	17 Mar 2026	High Tide Time	836
A7	17 Mar 2026	Low Tide Time	1512
A7	17 Mar 2026	Comments	
A7	24 Mar 2026	Arrive Time	842
A7	24 Mar 2026	Depart Time	852
A7	24 Mar 2026	Air Temp (C)	16.8
A7	24 Mar 2026	Visibility (mi)	5
A7	24 Mar 2026	Wind Speed (kts)	0.9
A7	24 Mar 2026	Wind Dir	SW
A7	24 Mar 2026	Sea State	Calm
A7	24 Mar 2026	High Tide Time	48
A7	24 Mar 2026	Low Tide Time	842
A7	24 Mar 2026	Comments	stray lobster float; depth not achieved on first cast; recast for CTD only; Kelp Debris
A7	30 Mar 2026	Arrive Time	818
A7	30 Mar 2026	Depart Time	823
A7	30 Mar 2026	Air Temp (C)	17.1
A7	30 Mar 2026	Visibility (mi)	6
A7	30 Mar 2026	Wind Speed (kts)	1.9
A7	30 Mar 2026	Wind Dir	SW
A7	30 Mar 2026	Sea State	Light Chop
A7	30 Mar 2026	High Tide Time	812
A7	30 Mar 2026	Low Tide Time	1442
A7	30 Mar 2026	Comments	
C5	03 Mar 2026	Arrive Time	916
C5	03 Mar 2026	Depart Time	922
C5	03 Mar 2026	Air Temp (C)	16.9
C5	03 Mar 2026	Visibility (mi)	10
C5	03 Mar 2026	Wind Speed (kts)	0.9
C5	03 Mar 2026	Wind Dir	W
C5	03 Mar 2026	Sea State	Regular Swell
C5	03 Mar 2026	High Tide Time	836
C5	03 Mar 2026	Low Tide Time	1506
C5	03 Mar 2026	Comments	nearby lobster boat and birds; Kelp Debris; Lobster Floats

Station	Date	Parameter	Value
C5	10 Mar 2026	Arrive Time	1037
C5	10 Mar 2026	Depart Time	1040
C5	10 Mar 2026	Air Temp (C)	17.9
C5	10 Mar 2026	Visibility (mi)	10
C5	10 Mar 2026	Wind Speed (kts)	2.6
C5	10 Mar 2026	Wind Dir	NW
C5	10 Mar 2026	Sea State	Regular Swell
C5	10 Mar 2026	High Tide Time	100
C5	10 Mar 2026	Low Tide Time	1012
C5	10 Mar 2026	Comments	dolphins nearby; Kelp; Kelp Debris
C5	17 Mar 2026	Arrive Time	922
C5	17 Mar 2026	Depart Time	924
C5	17 Mar 2026	Air Temp (C)	18.9
C5	17 Mar 2026	Visibility (mi)	10
C5	17 Mar 2026	Wind Speed (kts)	1.8
C5	17 Mar 2026	Wind Dir	NE
C5	17 Mar 2026	Sea State	Regular Swell
C5	17 Mar 2026	High Tide Time	836
C5	17 Mar 2026	Low Tide Time	1512
C5	17 Mar 2026	Comments	
C5	24 Mar 2026	Arrive Time	954
C5	24 Mar 2026	Depart Time	1001
C5	24 Mar 2026	Air Temp (C)	17.5
C5	24 Mar 2026	Visibility (mi)	5
C5	24 Mar 2026	Wind Speed (kts)	2
C5	24 Mar 2026	Wind Dir	W
C5	24 Mar 2026	Sea State	Calm
C5	24 Mar 2026	High Tide Time	48
C5	24 Mar 2026	Low Tide Time	842
C5	24 Mar 2026	Comments	
C5	30 Mar 2026	Arrive Time	924
C5	30 Mar 2026	Depart Time	929
C5	30 Mar 2026	Air Temp (C)	17.5
C5	30 Mar 2026	Visibility (mi)	6
C5	30 Mar 2026	Wind Speed (kts)	3.9
C5	30 Mar 2026	Wind Dir	SW
C5	30 Mar 2026	Sea State	Light Chop
C5	30 Mar 2026	High Tide Time	812
C5	30 Mar 2026	Low Tide Time	1442
C5	30 Mar 2026	Comments	
A6	03 Mar 2026	Arrive Time	819
A6	03 Mar 2026	Depart Time	823
A6	03 Mar 2026	Air Temp (C)	16
A6	03 Mar 2026	Visibility (mi)	10
A6	03 Mar 2026	Wind Speed (kts)	0.3
A6	03 Mar 2026	Wind Dir	S
A6	03 Mar 2026	Sea State	Regular Swell
A6	03 Mar 2026	High Tide Time	836
A6	03 Mar 2026	Low Tide Time	1506
A6	03 Mar 2026	Comments	Kelp Debris
A6	10 Mar 2026	Arrive Time	937
A6	10 Mar 2026	Depart Time	942
A6	10 Mar 2026	Air Temp (C)	16.3
A6	10 Mar 2026	Visibility (mi)	10
A6	10 Mar 2026	Wind Speed (kts)	5.6
A6	10 Mar 2026	Wind Dir	NW

Station	Date	Parameter	Value
A6	10 Mar 2026	Sea State	Regular Swell
A6	10 Mar 2026	High Tide Time	100
A6	10 Mar 2026	Low Tide Time	1012
A6	10 Mar 2026	Comments	ctd recovered with kelp; Kelp; Kelp Debris
A6	17 Mar 2026	Arrive Time	825
A6	17 Mar 2026	Depart Time	829
A6	17 Mar 2026	Air Temp (C)	17.7
A6	17 Mar 2026	Visibility (mi)	10
A6	17 Mar 2026	Wind Speed (kts)	0.7
A6	17 Mar 2026	Wind Dir	SW
A6	17 Mar 2026	Sea State	Regular Swell
A6	17 Mar 2026	High Tide Time	836
A6	17 Mar 2026	Low Tide Time	1512
A6	17 Mar 2026	Comments	
A6	24 Mar 2026	Arrive Time	858
A6	24 Mar 2026	Depart Time	904
A6	24 Mar 2026	Air Temp (C)	17.1
A6	24 Mar 2026	Visibility (mi)	5
A6	24 Mar 2026	Wind Speed (kts)	0.8
A6	24 Mar 2026	Wind Dir	NE
A6	24 Mar 2026	Sea State	Calm
A6	24 Mar 2026	High Tide Time	48
A6	24 Mar 2026	Low Tide Time	842
A6	24 Mar 2026	Comments	Kelp; Kelp Debris; CTD recovered with kelp
A6	30 Mar 2026	Arrive Time	829
A6	30 Mar 2026	Depart Time	835
A6	30 Mar 2026	Air Temp (C)	17.2
A6	30 Mar 2026	Visibility (mi)	6
A6	30 Mar 2026	Wind Speed (kts)	3
A6	30 Mar 2026	Wind Dir	SE
A6	30 Mar 2026	Sea State	Light Chop
A6	30 Mar 2026	High Tide Time	812
A6	30 Mar 2026	Low Tide Time	1442
A6	30 Mar 2026	Comments	
C6	03 Mar 2026	Arrive Time	904
C6	03 Mar 2026	Depart Time	909
C6	03 Mar 2026	Air Temp (C)	17.3
C6	03 Mar 2026	Visibility (mi)	10
C6	03 Mar 2026	Wind Speed (kts)	0.8
C6	03 Mar 2026	Wind Dir	N
C6	03 Mar 2026	Sea State	Regular Swell
C6	03 Mar 2026	High Tide Time	836
C6	03 Mar 2026	Low Tide Time	1506
C6	03 Mar 2026	Comments	nearby birds; Kelp Debris; Lobster Floats
C6	10 Mar 2026	Arrive Time	1027
C6	10 Mar 2026	Depart Time	1031
C6	10 Mar 2026	Air Temp (C)	18.1
C6	10 Mar 2026	Visibility (mi)	10
C6	10 Mar 2026	Wind Speed (kts)	3.9
C6	10 Mar 2026	Wind Dir	NW
C6	10 Mar 2026	Sea State	Regular Swell
C6	10 Mar 2026	High Tide Time	100
C6	10 Mar 2026	Low Tide Time	1012
C6	10 Mar 2026	Comments	
C6	17 Mar 2026	Arrive Time	911

Station	Date	Parameter	Value
C6	17 Mar 2026	Depart Time	914
C6	17 Mar 2026	Air Temp (C)	18.5
C6	17 Mar 2026	Visibility (mi)	10
C6	17 Mar 2026	Wind Speed (kts)	3.3
C6	17 Mar 2026	Wind Dir	N
C6	17 Mar 2026	Sea State	Regular Swell
C6	17 Mar 2026	High Tide Time	836
C6	17 Mar 2026	Low Tide Time	1512
C6	17 Mar 2026	Comments	
C6	24 Mar 2026	Arrive Time	945
C6	24 Mar 2026	Depart Time	949
C6	24 Mar 2026	Air Temp (C)	17.3
C6	24 Mar 2026	Visibility (mi)	5
C6	24 Mar 2026	Wind Speed (kts)	1
C6	24 Mar 2026	Wind Dir	S
C6	24 Mar 2026	Sea State	Calm
C6	24 Mar 2026	High Tide Time	48
C6	24 Mar 2026	Low Tide Time	842
C6	24 Mar 2026	Comments	Kelp; Kelp Debris
C6	30 Mar 2026	Arrive Time	915
C6	30 Mar 2026	Depart Time	918
C6	30 Mar 2026	Air Temp (C)	17.7
C6	30 Mar 2026	Visibility (mi)	6
C6	30 Mar 2026	Wind Speed (kts)	3.2
C6	30 Mar 2026	Wind Dir	S
C6	30 Mar 2026	Sea State	Light Chop
C6	30 Mar 2026	High Tide Time	812
C6	30 Mar 2026	Low Tide Time	1442
C6	30 Mar 2026	Comments	
C7	03 Mar 2026	Arrive Time	833
C7	03 Mar 2026	Depart Time	837
C7	03 Mar 2026	Air Temp (C)	15.9
C7	03 Mar 2026	Visibility (mi)	10
C7	03 Mar 2026	Wind Speed (kts)	0.4
C7	03 Mar 2026	Wind Dir	W
C7	03 Mar 2026	Sea State	Regular Swell
C7	03 Mar 2026	High Tide Time	836
C7	03 Mar 2026	Low Tide Time	1506
C7	03 Mar 2026	Comments	
C7	10 Mar 2026	Arrive Time	951
C7	10 Mar 2026	Depart Time	958
C7	10 Mar 2026	Air Temp (C)	16.3
C7	10 Mar 2026	Visibility (mi)	10
C7	10 Mar 2026	Wind Speed (kts)	4.1
C7	10 Mar 2026	Wind Dir	NW
C7	10 Mar 2026	Sea State	Regular Swell
C7	10 Mar 2026	High Tide Time	100
C7	10 Mar 2026	Low Tide Time	1012
C7	10 Mar 2026	Comments	bottle 3 misfire; recast for 18m depth; use first cast for data; Kelp; Kelp Debris
C7	17 Mar 2026	Arrive Time	840
C7	17 Mar 2026	Depart Time	844
C7	17 Mar 2026	Air Temp (C)	17.9
C7	17 Mar 2026	Visibility (mi)	10
C7	17 Mar 2026	Wind Speed (kts)	2.3
C7	17 Mar 2026	Wind Dir	S

Station	Date	Parameter	Value
C7	17 Mar 2026	Sea State	Regular Swell
C7	17 Mar 2026	High Tide Time	836
C7	17 Mar 2026	Low Tide Time	1512
C7	17 Mar 2026	Comments	
C7	24 Mar 2026	Arrive Time	913
C7	24 Mar 2026	Depart Time	918
C7	24 Mar 2026	Air Temp (C)	17
C7	24 Mar 2026	Visibility (mi)	5
C7	24 Mar 2026	Wind Speed (kts)	2.4
C7	24 Mar 2026	Wind Dir	SW
C7	24 Mar 2026	Sea State	Calm
C7	24 Mar 2026	High Tide Time	48
C7	24 Mar 2026	Low Tide Time	842
C7	24 Mar 2026	Comments	dead bird port side; Kelp; Kelp Debris
C7	30 Mar 2026	Arrive Time	844
C7	30 Mar 2026	Depart Time	849
C7	30 Mar 2026	Air Temp (C)	17.8
C7	30 Mar 2026	Visibility (mi)	6
C7	30 Mar 2026	Wind Speed (kts)	1.9
C7	30 Mar 2026	Wind Dir	S
C7	30 Mar 2026	Sea State	Light Chop
C7	30 Mar 2026	High Tide Time	812
C7	30 Mar 2026	Low Tide Time	1442
C7	30 Mar 2026	Comments	
C8	03 Mar 2026	Arrive Time	844
C8	03 Mar 2026	Depart Time	848
C8	03 Mar 2026	Air Temp (C)	15.6
C8	03 Mar 2026	Visibility (mi)	10
C8	03 Mar 2026	Wind Speed (kts)	1.4
C8	03 Mar 2026	Wind Dir	SW
C8	03 Mar 2026	Sea State	Regular Swell
C8	03 Mar 2026	High Tide Time	836
C8	03 Mar 2026	Low Tide Time	1506
C8	03 Mar 2026	Comments	
C8	10 Mar 2026	Arrive Time	1005
C8	10 Mar 2026	Depart Time	1010
C8	10 Mar 2026	Air Temp (C)	17
C8	10 Mar 2026	Visibility (mi)	10
C8	10 Mar 2026	Wind Speed (kts)	2.2
C8	10 Mar 2026	Wind Dir	NW
C8	10 Mar 2026	Sea State	Regular Swell
C8	10 Mar 2026	High Tide Time	100
C8	10 Mar 2026	Low Tide Time	1012
C8	10 Mar 2026	Comments	Kelp Debris
C8	17 Mar 2026	Arrive Time	852
C8	17 Mar 2026	Depart Time	855
C8	17 Mar 2026	Air Temp (C)	18.3
C8	17 Mar 2026	Visibility (mi)	10
C8	17 Mar 2026	Wind Speed (kts)	0.3
C8	17 Mar 2026	Wind Dir	NE
C8	17 Mar 2026	Sea State	Regular Swell
C8	17 Mar 2026	High Tide Time	836
C8	17 Mar 2026	Low Tide Time	1512
C8	17 Mar 2026	Comments	
C8	24 Mar 2026	Arrive Time	924

Station	Date	Parameter	Value
C8	24 Mar 2026	Depart Time	929
C8	24 Mar 2026	Air Temp (C)	17
C8	24 Mar 2026	Visibility (mi)	5
C8	24 Mar 2026	Wind Speed (kts)	0.5
C8	24 Mar 2026	Wind Dir	S
C8	24 Mar 2026	Sea State	Calm
C8	24 Mar 2026	High Tide Time	48
C8	24 Mar 2026	Low Tide Time	842
C8	24 Mar 2026	Comments	nearby birds and sportfising vessel
C8	30 Mar 2026	Arrive Time	854
C8	30 Mar 2026	Depart Time	859
C8	30 Mar 2026	Air Temp (C)	17.7
C8	30 Mar 2026	Visibility (mi)	6
C8	30 Mar 2026	Wind Speed (kts)	4.1
C8	30 Mar 2026	Wind Dir	S
C8	30 Mar 2026	Sea State	Light Chop
C8	30 Mar 2026	High Tide Time	812
C8	30 Mar 2026	Low Tide Time	1442
C8	30 Mar 2026	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 ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
A1	03 Mar 2026	1	15.19	78.01	9.6	33.29	8.2	24.6	5.14
A1	03 Mar 2026	2	15.11	76.52	9.5	33.29	8.2	24.6	5.30
A1	03 Mar 2026	3	15.09	77.18	9.4	33.29	8.2	24.6	6.02
A1	03 Mar 2026	4	15.03	78.26	9.3	33.30	8.2	24.7	6.35
A1	03 Mar 2026	5	15.01	77.78	9.3	33.30	8.2	24.7	7.50
A1	03 Mar 2026	6	14.99	77.96	9.2	33.30	8.2	24.7	7.90
A1	03 Mar 2026	7	14.94	78.11	9.1	33.30	8.2	24.7	7.89
A1	03 Mar 2026	8	14.86	78.48	9.0	33.31	8.1	24.7	8.19
A1	03 Mar 2026	9	14.73	78.51	8.8	33.31	8.1	24.7	9.00
A1	03 Mar 2026	10	14.63	77.60	8.6	33.32	8.1	24.8	10.00
A1	03 Mar 2026	11	14.41	77.58	8.2	33.32	8.1	24.8	9.87
A1	03 Mar 2026	12	14.06	78.01	7.8	33.35	8.1	24.9	8.77
A1	03 Mar 2026	13	13.95	78.14	7.4	33.33	8.1	24.9	8.85
A1	03 Mar 2026	14	13.34	79.23	7.0	33.41	8.0	25.1	7.18
A1	03 Mar 2026	15	13.16	81.75	6.7	33.42	8.0	25.1	5.49
A1	03 Mar 2026	16	13.10	82.51	6.6	33.42	8.0	25.2	5.33
A1	03 Mar 2026	17	12.92	82.41	6.4	33.44	8.0	25.2	5.04
A1	03 Mar 2026	18	12.84	83.13	6.3	33.44	7.9	25.2	4.54
A1	03 Mar 2026	19	12.81	83.55	6.2	33.45	7.9	25.2	4.55
A1	10 Mar 2026	1	15.77	91.73	7.8	33.30	8.1	24.5	1.18
A1	10 Mar 2026	2	15.76	91.75	7.8	33.30	8.1	24.5	1.24
A1	10 Mar 2026	3	15.75	92.22	7.8	33.30	8.1	24.5	1.23
A1	10 Mar 2026	4	15.73	92.27	7.8	33.30	8.1	24.5	1.14
A1	10 Mar 2026	5	15.73	92.90	7.8	33.30	8.1	24.5	1.17
A1	10 Mar 2026	6	15.71	93.26	7.9	33.30	8.1	24.5	1.02
A1	10 Mar 2026	7	15.70	93.50	7.9	33.31	8.1	24.5	1.02
A1	10 Mar 2026	8	15.68	93.71	7.9	33.31	8.1	24.5	0.96
A1	10 Mar 2026	9	15.63	94.18	7.8	33.31	8.1	24.5	0.82
A1	10 Mar 2026	10	15.62	94.84	7.8	33.31	8.1	24.5	0.80
A1	10 Mar 2026	11	15.57	95.20	7.9	33.32	8.1	24.6	0.70
A1	10 Mar 2026	12	15.55	94.98	7.8	33.32	8.1	24.6	0.62
A1	10 Mar 2026	13	15.53	95.31	7.9	33.32	8.1	24.6	0.58
A1	10 Mar 2026	14	15.49	95.40	7.8	33.32	8.1	24.6	0.48
A1	10 Mar 2026	15	15.48	95.15	7.7	33.32	8.1	24.6	0.45
A1	10 Mar 2026	16	15.35	95.20	7.7	33.34	8.1	24.6	0.47
A1	10 Mar 2026	17	15.25	94.90	7.6	33.34	8.1	24.6	0.41
A1	10 Mar 2026	18	14.86	94.66	7.4	33.42	8.1	24.8	0.43
A1	17 Mar 2026	1	16.60	85.81	7.8	33.30	8.1	24.3	1.72
A1	17 Mar 2026	2	16.59	86.44	7.8	33.30	8.1	24.3	1.68
A1	17 Mar 2026	3	16.58	87.36	7.8	33.30	8.1	24.3	1.83
A1	17 Mar 2026	4	16.57	87.55	7.8	33.30	8.1	24.3	1.76
A1	17 Mar 2026	5	16.58	87.55	7.8	33.30	8.1	24.3	1.75
A1	17 Mar 2026	6	16.57	87.44	7.8	33.30	8.1	24.3	1.77
A1	17 Mar 2026	7	16.57	87.47	7.8	33.30	8.1	24.3	1.77
A1	17 Mar 2026	8	16.57	87.53	7.8	33.30	8.1	24.3	1.82
A1	17 Mar 2026	9	16.56	87.22	7.8	33.30	8.1	24.3	1.84
A1	17 Mar 2026	10	16.55	87.21	7.8	33.30	8.1	24.3	1.85
A1	17 Mar 2026	11	16.54	87.53	7.8	33.30	8.1	24.3	1.84
A1	17 Mar 2026	12	16.54	87.58	7.8	33.30	8.1	24.3	1.87
A1	17 Mar 2026	13	16.50	87.57	7.8	33.31	8.1	24.3	1.83
A1	17 Mar 2026	14	16.48	87.66	7.7	33.31	8.1	24.3	1.86
A1	17 Mar 2026	15	16.35	88.00	7.7	33.32	8.1	24.4	1.89
A1	17 Mar 2026	16	15.83	88.35	7.3	33.34	8.1	24.5	1.98
A1	17 Mar 2026	17	14.95	89.50	7.0	33.36	8.0	24.7	1.79
A1	17 Mar 2026	18	14.66	89.94	6.8	33.36	8.0	24.8	1.61
A1	17 Mar 2026	19	13.85	91.03	6.3	33.40	8.0	25.0	1.31
A1	17 Mar 2026	20	13.45	92.45	6.0	33.40	7.9	25.1	0.78
A1	24 Mar 2026	1	18.09	92.67	8.2	33.30	8.1	24.0	0.86
A1	24 Mar 2026	2	18.06	92.71	8.2	33.30	8.1	24.0	0.85
A1	24 Mar 2026	3	17.98	92.57	8.2	33.30	8.1	24.0	0.96
A1	24 Mar 2026	4	17.88	92.11	8.3	33.30	8.1	24.0	1.08
A1	24 Mar 2026	5	17.72	92.33	8.4	33.30	8.1	24.0	1.05
A1	24 Mar 2026	6	17.69	92.27	8.3	33.30	8.1	24.0	1.30
A1	24 Mar 2026	7	17.62	92.05	8.3	33.30	8.1	24.1	1.48
A1	24 Mar 2026	8	17.53	91.84	8.3	33.30	8.1	24.1	1.53

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
A1	24 Mar 2026	9	17.40	91.59	8.4	33.30	8.1	24.1	1.56
A1	24 Mar 2026	10	17.22	91.27	8.4	33.30	8.1	24.2	1.65
A1	24 Mar 2026	11	17.02	90.85	8.3	33.30	8.1	24.2	1.80
A1	24 Mar 2026	12	16.85	90.29	8.3	33.29	8.1	24.2	1.97
A1	24 Mar 2026	13	16.71	90.23	8.3	33.29	8.1	24.3	1.97
A1	24 Mar 2026	14	16.62	90.13	8.4	33.29	8.1	24.3	2.00
A1	24 Mar 2026	15	16.53	90.04	8.3	33.30	8.1	24.3	2.02
A1	24 Mar 2026	16	16.40	89.78	8.2	33.30	8.1	24.3	2.13
A1	24 Mar 2026	17	15.92	89.60	8.1	33.31	8.1	24.5	2.16
A1	30 Mar 2026	1	16.04	87.02	7.7	33.31	8.1	24.4	1.75
A1	30 Mar 2026	2	16.06	87.95	7.7	33.31	8.1	24.4	1.77
A1	30 Mar 2026	3	15.96	87.99	7.7	33.31	8.1	24.5	1.62
A1	30 Mar 2026	4	15.80	88.24	7.6	33.32	8.1	24.5	1.93
A1	30 Mar 2026	5	15.75	88.09	7.6	33.32	8.1	24.5	2.28
A1	30 Mar 2026	6	15.64	87.67	7.6	33.32	8.1	24.5	2.47
A1	30 Mar 2026	7	15.55	87.46	7.5	33.32	8.1	24.6	2.87
A1	30 Mar 2026	8	15.30	87.10	7.4	33.33	8.1	24.6	2.99
A1	30 Mar 2026	9	15.07	87.32	7.2	33.33	8.0	24.7	3.06
A1	30 Mar 2026	10	14.85	87.92	7.1	33.34	8.0	24.7	2.86
A1	30 Mar 2026	11	14.77	88.73	7.0	33.34	8.0	24.7	2.44
A1	30 Mar 2026	12	14.38	89.83	6.7	33.35	8.0	24.8	2.10
A1	30 Mar 2026	13	14.15	91.04	6.5	33.36	8.0	24.9	1.77
A1	30 Mar 2026	14	13.61	92.19	6.0	33.38	8.0	25.0	1.53
A1	30 Mar 2026	15	13.16	93.13	5.6	33.40	7.9	25.1	1.24
A1	30 Mar 2026	16	12.98	93.82	5.3	33.41	7.9	25.2	1.14
A1	30 Mar 2026	17	12.69	94.10	5.0	33.43	7.8	25.2	0.95
A1	30 Mar 2026	18	12.37	94.05	4.8	33.46	7.8	25.3	0.84
A1	30 Mar 2026	19	12.32	93.85	4.7	33.46	7.8	25.3	0.76
C4	03 Mar 2026	1	14.95	79.21	8.7	33.29	8.1	24.7	2.77
C4	03 Mar 2026	2	14.94	76.74	8.8	33.29	8.1	24.7	2.70
C4	03 Mar 2026	3	14.92	79.32	8.8	33.29	8.1	24.7	3.75
C4	03 Mar 2026	4	14.92	79.87	8.8	33.29	8.1	24.7	4.34
C4	03 Mar 2026	5	14.90	79.35	8.8	33.29	8.1	24.7	5.20
C4	03 Mar 2026	6	14.86	79.14	8.7	33.30	8.1	24.7	5.25
C4	03 Mar 2026	7	14.79	79.61	8.5	33.30	8.1	24.7	5.59
C4	03 Mar 2026	8	14.68	80.21	8.3	33.31	8.1	24.7	5.07
C4	03 Mar 2026	9	14.60	80.95	8.1	33.32	8.1	24.8	4.99
C4	03 Mar 2026	10	14.42	81.52	7.7	33.33	8.1	24.8	4.33
C4	03 Mar 2026	11	14.38	82.59	7.5	33.33	8.0	24.8	3.39
C4	10 Mar 2026	1	15.70	91.97	7.4	33.30	8.1	24.5	0.65
C4	10 Mar 2026	2	15.72	91.78	7.4	33.30	8.1	24.5	0.57
C4	10 Mar 2026	3	15.71	91.78	7.4	33.30	8.1	24.5	0.50
C4	10 Mar 2026	4	15.63	91.84	7.4	33.32	8.1	24.5	0.53
C4	10 Mar 2026	5	15.56	92.25	7.5	33.32	8.1	24.6	0.58
C4	10 Mar 2026	6	15.54	92.84	7.5	33.32	8.1	24.6	0.55
C4	10 Mar 2026	7	15.52	93.62	7.5	33.32	8.1	24.6	0.40
C4	10 Mar 2026	8	15.51	93.33	7.4	33.32	8.1	24.6	0.37
C4	10 Mar 2026	9	15.46	92.78	7.3	33.32	8.1	24.6	0.29
C4	10 Mar 2026	10	15.45	91.66	7.2	33.32	8.1	24.6	0.28
C4	10 Mar 2026	11	15.43	90.10	7.2	33.32	8.1	24.6	0.29
C4	17 Mar 2026	1	16.94	88.23	7.9	33.30	8.1	24.2	1.03
C4	17 Mar 2026	2	16.93	88.14	7.9	33.30	8.1	24.2	1.05
C4	17 Mar 2026	3	16.89	88.02	7.8	33.30	8.1	24.2	1.19
C4	17 Mar 2026	4	16.78	87.77	7.8	33.31	8.1	24.3	1.37
C4	17 Mar 2026	5	16.67	87.80	7.6	33.31	8.1	24.3	1.47
C4	17 Mar 2026	6	16.37	88.21	7.4	33.32	8.1	24.4	1.35
C4	17 Mar 2026	7	15.78	88.54	7.0	33.35	8.1	24.5	1.14
C4	17 Mar 2026	8	15.44	89.62	6.6	33.34	8.0	24.6	0.95
C4	17 Mar 2026	9	15.27	91.09	6.4	33.34	8.0	24.6	0.83
C4	17 Mar 2026	10	15.21	90.52	6.3	33.34	8.0	24.6	0.76
C4	17 Mar 2026	11	14.81	91.23	5.9	33.35	8.0	24.7	0.68
C4	17 Mar 2026	12	14.70	91.09	5.7	33.36	7.9	24.8	0.51
C4	24 Mar 2026	1	18.57	91.10	8.1	33.31	8.1	23.8	0.51
C4	24 Mar 2026	2	18.51	91.12	8.1	33.31	8.1	23.9	0.57
C4	24 Mar 2026	3	17.88	91.15	8.1	33.31	8.1	24.0	0.68
C4	24 Mar 2026	4	17.54	91.70	8.2	33.31	8.1	24.1	0.93
C4	24 Mar 2026	5	17.36	91.89	8.1	33.30	8.1	24.1	1.01
C4	24 Mar 2026	6	17.01	91.95	8.0	33.30	8.1	24.2	1.14
C4	24 Mar 2026	7	16.78	91.83	7.8	33.31	8.1	24.3	1.05

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
C4	24 Mar 2026	8	16.64	91.89	7.3	33.30	8.1	24.3	0.98
C4	24 Mar 2026	9	16.33	91.79	6.8	33.31	8.0	24.4	0.64
C4	24 Mar 2026	10	16.03	91.74	6.5	33.31	8.0	24.4	0.41
C4	24 Mar 2026	11	16.00	90.78	6.4	33.31	8.0	24.4	0.42
C4	30 Mar 2026	1	16.13	89.82	7.9	33.31	8.1	24.4	0.91
C4	30 Mar 2026	2	16.11	89.84	7.8	33.31	8.1	24.4	0.89
C4	30 Mar 2026	3	16.05	89.84	7.8	33.31	8.1	24.4	0.93
C4	30 Mar 2026	4	15.93	89.60	7.8	33.31	8.1	24.5	1.19
C4	30 Mar 2026	5	15.89	88.77	7.7	33.31	8.1	24.5	1.55
C4	30 Mar 2026	6	15.81	88.03	7.7	33.32	8.1	24.5	1.93
C4	30 Mar 2026	7	15.71	87.12	7.6	33.32	8.1	24.5	2.43
C4	30 Mar 2026	8	15.65	85.99	7.5	33.32	8.1	24.5	2.74
C4	30 Mar 2026	9	15.42	86.52	7.2	33.32	8.1	24.6	2.68
C4	30 Mar 2026	10	15.22	89.58	7.0	33.33	8.0	24.6	1.27
C4	30 Mar 2026	11	14.78	92.19	6.6	33.33	8.0	24.7	0.89
A7	03 Mar 2026	1	14.65	76.87	8.7	33.31	8.1	24.7	6.81
A7	03 Mar 2026	2	14.48	76.82	8.5	33.31	8.1	24.8	7.53
A7	03 Mar 2026	3	14.20	76.68	7.9	33.33	8.1	24.9	10.42
A7	03 Mar 2026	4	13.77	77.40	7.5	33.36	8.0	25.0	10.38
A7	03 Mar 2026	5	13.64	78.96	7.3	33.37	8.0	25.0	9.12
A7	03 Mar 2026	6	13.60	80.75	7.2	33.37	8.0	25.0	8.30
A7	03 Mar 2026	7	13.58	81.73	7.1	33.37	8.0	25.0	7.93
A7	03 Mar 2026	8	13.54	81.93	7.1	33.38	8.0	25.0	7.50
A7	03 Mar 2026	9	13.45	82.02	7.0	33.39	8.0	25.1	7.37
A7	03 Mar 2026	10	13.43	82.43	6.9	33.39	8.0	25.1	6.71
A7	03 Mar 2026	11	13.37	83.09	6.8	33.39	8.0	25.1	6.80
A7	03 Mar 2026	12	13.30	83.44	6.7	33.40	8.0	25.1	6.98
A7	03 Mar 2026	13	13.02	83.50	6.5	33.43	8.0	25.2	6.32
A7	03 Mar 2026	14	12.82	84.39	6.3	33.44	7.9	25.2	5.47
A7	03 Mar 2026	15	12.71	85.21	6.2	33.45	7.9	25.3	5.04
A7	03 Mar 2026	16	12.65	85.46	6.1	33.46	7.9	25.3	4.50
A7	03 Mar 2026	17	12.64	85.69	6.0	33.46	7.9	25.3	4.11
A7	03 Mar 2026	18	12.53	85.97	5.9	33.46	7.9	25.3	4.10
A7	03 Mar 2026	19	12.22	86.33	5.7	33.51	7.9	25.4	3.96
A7	03 Mar 2026	20	12.26	86.95	5.6	33.50	7.9	25.4	3.64
A7	10 Mar 2026	1	15.85	93.31	7.8	33.30	8.1	24.5	0.92
A7	10 Mar 2026	2	15.85	93.39	7.8	33.30	8.1	24.5	0.94
A7	10 Mar 2026	3	15.85	93.38	7.8	33.30	8.1	24.5	0.92
A7	10 Mar 2026	4	15.85	93.24	7.8	33.30	8.1	24.5	0.98
A7	10 Mar 2026	5	15.86	93.17	7.7	33.30	8.1	24.5	1.02
A7	10 Mar 2026	6	15.85	93.38	7.8	33.30	8.1	24.5	0.96
A7	10 Mar 2026	7	15.85	93.59	7.8	33.30	8.1	24.5	0.99
A7	10 Mar 2026	8	15.85	93.68	7.8	33.30	8.1	24.5	0.97
A7	10 Mar 2026	9	15.83	93.90	7.9	33.31	8.1	24.5	0.87
A7	10 Mar 2026	10	15.81	94.50	7.9	33.31	8.1	24.5	0.87
A7	10 Mar 2026	11	15.79	94.71	7.9	33.31	8.1	24.5	0.83
A7	10 Mar 2026	12	15.76	94.49	7.9	33.31	8.1	24.5	0.83
A7	10 Mar 2026	13	15.75	94.51	7.9	33.31	8.1	24.5	0.87
A7	10 Mar 2026	14	15.70	94.34	7.8	33.31	8.1	24.5	0.86
A7	10 Mar 2026	15	15.54	94.12	7.7	33.31	8.1	24.6	0.78
A7	10 Mar 2026	16	15.50	93.67	7.6	33.31	8.1	24.6	0.77
A7	10 Mar 2026	17	15.34	93.79	7.4	33.33	8.1	24.6	0.71
A7	10 Mar 2026	18	14.85	93.94	7.3	33.37	8.1	24.7	0.66
A7	17 Mar 2026	1	16.94	87.56	8.3	33.30	8.2	24.2	0.78
A7	17 Mar 2026	2	16.94	89.12	8.2	33.31	8.2	24.2	0.80
A7	17 Mar 2026	3	16.91	89.64	8.3	33.31	8.2	24.2	0.78
A7	17 Mar 2026	4	16.85	89.80	8.2	33.31	8.2	24.3	0.79
A7	17 Mar 2026	5	16.81	89.98	8.2	33.31	8.2	24.3	0.81
A7	17 Mar 2026	6	16.74	89.79	8.2	33.31	8.1	24.3	0.88
A7	17 Mar 2026	7	16.60	89.98	8.1	33.32	8.1	24.3	0.95
A7	17 Mar 2026	8	16.53	90.48	8.0	33.31	8.1	24.3	1.10
A7	17 Mar 2026	9	16.26	91.17	7.9	33.33	8.1	24.4	1.21
A7	17 Mar 2026	10	16.04	91.54	7.9	33.33	8.1	24.5	1.36
A7	17 Mar 2026	11	16.00	91.21	7.8	33.32	8.1	24.5	1.44
A7	17 Mar 2026	12	15.77	91.46	7.7	33.34	8.1	24.5	1.42
A7	17 Mar 2026	13	15.71	91.59	7.7	33.33	8.1	24.5	1.43
A7	17 Mar 2026	14	15.92	91.67	7.7	33.31	8.1	24.5	1.47
A7	17 Mar 2026	15	15.77	91.49	7.7	33.34	8.1	24.5	1.55
A7	17 Mar 2026	16	15.52	91.37	7.5	33.34	8.1	24.6	1.38
A7	17 Mar 2026	17	15.49	92.00	7.4	33.34	8.1	24.6	1.31

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
A7	17 Mar 2026	18	15.22	92.41	7.0	33.35	8.1	24.7	1.27
A7	17 Mar 2026	19	13.99	92.54	6.4	33.42	8.0	25.0	0.99
A7	17 Mar 2026	20	13.65	93.63	6.0	33.41	7.9	25.0	0.76
A7	17 Mar 2026	21	13.36	94.24	5.8	33.41	7.9	25.1	0.68
A7	24 Mar 2026	1	18.29	92.83	8.1	33.30	8.1	23.9	0.70
A7	24 Mar 2026	2	17.97	92.82	8.2	33.30	8.1	24.0	0.72
A7	24 Mar 2026	3	17.81	92.42	8.3	33.30	8.1	24.0	0.86
A7	24 Mar 2026	4	17.70	92.42	8.3	33.29	8.1	24.0	0.89
A7	24 Mar 2026	5	17.41	92.16	8.3	33.30	8.1	24.1	0.97
A7	24 Mar 2026	6	17.23	91.90	8.3	33.29	8.1	24.2	1.11
A7	24 Mar 2026	7	17.13	91.55	8.3	33.29	8.1	24.2	1.19
A7	24 Mar 2026	8	16.87	91.44	8.2	33.30	8.1	24.2	1.22
A7	24 Mar 2026	9	16.32	91.27	8.1	33.30	8.1	24.4	1.27
A7	24 Mar 2026	10	16.06	91.29	8.0	33.30	8.1	24.4	1.24
A7	24 Mar 2026	11	15.82	91.32	8.0	33.30	8.1	24.5	1.19
A7	24 Mar 2026	12	15.68	91.88	7.9	33.30	8.1	24.5	1.12
A7	24 Mar 2026	13	15.59	92.12	7.9	33.30	8.1	24.5	1.24
A7	24 Mar 2026	14	15.53	91.98	7.9	33.30	8.1	24.5	1.32
A7	24 Mar 2026	15	15.49	91.67	7.9	33.30	8.1	24.6	1.36
A7	24 Mar 2026	16	15.22	91.68	7.8	33.31	8.0	24.6	1.43
A7	24 Mar 2026	17	15.13	91.60	7.6	33.31	8.0	24.6	1.36
A7	24 Mar 2026	18	14.72	91.84	7.4	33.33	8.0	24.7	1.26
A7	30 Mar 2026	1	16.43	90.24	7.8	33.30	8.1	24.3	1.43
A7	30 Mar 2026	2	16.44	90.21	7.8	33.30	8.1	24.3	1.46
A7	30 Mar 2026	3	16.41	90.21	7.8	33.30	8.1	24.3	1.51
A7	30 Mar 2026	4	16.39	90.13	7.8	33.30	8.1	24.4	1.49
A7	30 Mar 2026	5	16.32	90.22	7.8	33.30	8.1	24.4	1.52
A7	30 Mar 2026	6	16.07	90.31	7.8	33.30	8.1	24.4	1.57
A7	30 Mar 2026	7	16.05	90.30	7.7	33.30	8.1	24.4	1.62
A7	30 Mar 2026	8	15.91	90.08	7.7	33.30	8.1	24.5	1.80
A7	30 Mar 2026	9	15.87	89.72	7.6	33.30	8.1	24.5	1.85
A7	30 Mar 2026	10	15.52	89.96	7.5	33.32	8.1	24.6	1.71
A7	30 Mar 2026	11	15.14	90.99	7.3	33.33	8.1	24.6	1.40
A7	30 Mar 2026	12	14.93	91.79	7.1	33.33	8.0	24.7	1.24
A7	30 Mar 2026	13	14.73	92.03	6.9	33.33	8.0	24.7	1.09
A7	30 Mar 2026	14	14.09	92.48	6.6	33.36	8.0	24.9	1.08
A7	30 Mar 2026	15	13.89	92.63	6.4	33.36	8.0	24.9	1.08
A7	30 Mar 2026	16	13.42	93.23	6.0	33.38	7.9	25.1	0.96
A7	30 Mar 2026	17	13.11	93.63	5.6	33.40	7.9	25.1	0.84
A7	30 Mar 2026	18	12.43	94.56	5.2	33.46	7.9	25.3	0.60
C5	03 Mar 2026	1	15.30	64.02	9.2	33.30	8.2	24.6	2.82
C5	03 Mar 2026	2	15.30	70.14	9.2	33.30	8.2	24.6	2.88
C5	03 Mar 2026	3	15.29	76.18	9.2	33.30	8.2	24.6	2.95
C5	03 Mar 2026	4	15.26	77.93	9.1	33.30	8.2	24.6	3.85
C5	03 Mar 2026	5	15.20	78.28	9.0	33.30	8.2	24.6	5.16
C5	03 Mar 2026	6	15.13	78.45	8.9	33.31	8.2	24.6	5.35
C5	03 Mar 2026	7	15.13	78.82	8.9	33.31	8.2	24.6	5.41
C5	03 Mar 2026	8	15.16	79.72	8.8	33.31	8.2	24.6	5.32
C5	03 Mar 2026	9	14.62	79.94	8.0	33.36	8.1	24.8	4.48
C5	03 Mar 2026	10	14.51	81.85	7.4	33.34	8.0	24.8	3.04
C5	03 Mar 2026	11	14.02	82.78	7.0	33.39	8.0	24.9	3.52
C5	10 Mar 2026	1	15.92	84.80	7.7	33.30	8.1	24.5	0.46
C5	10 Mar 2026	2	15.90	85.22	7.7	33.30	8.1	24.5	0.47
C5	10 Mar 2026	3	15.86	91.03	7.5	33.31	8.1	24.5	0.54
C5	10 Mar 2026	4	15.80	91.88	7.5	33.31	8.1	24.5	0.52
C5	10 Mar 2026	5	15.75	92.14	7.4	33.31	8.1	24.5	0.40
C5	10 Mar 2026	6	15.74	92.65	7.4	33.31	8.1	24.5	0.37
C5	10 Mar 2026	7	15.73	92.89	7.4	33.31	8.1	24.5	0.35
C5	10 Mar 2026	8	15.70	93.10	7.4	33.31	8.1	24.5	0.37
C5	10 Mar 2026	9	15.59	90.91	7.4	33.33	8.1	24.6	0.38
C5	10 Mar 2026	10	15.47	87.94	7.4	33.33	8.1	24.6	0.45
C5	17 Mar 2026	1	16.99	89.05	7.9	33.32	8.1	24.2	0.71
C5	17 Mar 2026	2	16.96	89.06	7.9	33.32	8.1	24.2	0.75
C5	17 Mar 2026	3	16.90	88.97	7.9	33.32	8.1	24.2	0.89
C5	17 Mar 2026	4	16.72	89.05	7.8	33.33	8.1	24.3	0.93
C5	17 Mar 2026	5	16.61	89.05	7.6	33.33	8.1	24.3	0.92
C5	17 Mar 2026	6	16.46	89.13	7.5	33.33	8.1	24.4	0.91
C5	17 Mar 2026	7	16.41	89.37	7.4	33.33	8.1	24.4	0.88
C5	17 Mar 2026	8	15.96	89.80	7.0	33.35	8.1	24.5	0.83

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
C5	17 Mar 2026	9	15.15	90.39	6.5	33.37	8.0	24.7	0.55
C5	17 Mar 2026	10	15.07	91.55	6.3	33.35	8.0	24.7	0.44
C5	17 Mar 2026	11	14.99	92.20	6.3	33.35	8.0	24.7	0.48
C5	24 Mar 2026	1	18.62	90.66	8.1	33.31	8.1	23.8	0.66
C5	24 Mar 2026	2	18.60	90.70	8.2	33.31	8.1	23.8	0.71
C5	24 Mar 2026	3	18.48	90.50	8.1	33.30	8.1	23.9	0.74
C5	24 Mar 2026	4	18.29	90.95	8.2	33.30	8.1	23.9	0.81
C5	24 Mar 2026	5	17.94	92.13	8.1	33.30	8.1	24.0	0.97
C5	24 Mar 2026	6	17.56	92.24	8.1	33.30	8.1	24.1	0.78
C5	24 Mar 2026	7	17.39	92.74	7.9	33.29	8.1	24.1	0.92
C5	24 Mar 2026	8	16.62	92.82	7.7	33.30	8.1	24.3	0.56
C5	24 Mar 2026	9	16.18	93.24	7.6	33.30	8.1	24.4	0.39
C5	24 Mar 2026	10	15.79	92.88	7.5	33.30	8.0	24.5	0.38
C5	24 Mar 2026	11	15.72	91.13	7.5	33.30	8.0	24.5	0.42
C5	30 Mar 2026	1	16.18	91.30	7.7	33.31	8.1	24.4	0.74
C5	30 Mar 2026	2	16.14	91.26	7.7	33.31	8.1	24.4	0.76
C5	30 Mar 2026	3	16.09	91.19	7.7	33.31	8.1	24.4	0.86
C5	30 Mar 2026	4	16.07	91.08	7.6	33.31	8.1	24.4	0.98
C5	30 Mar 2026	5	15.99	90.84	7.6	33.31	8.1	24.5	1.06
C5	30 Mar 2026	6	15.81	90.70	7.6	33.31	8.1	24.5	1.34
C5	30 Mar 2026	7	15.66	90.05	7.6	33.31	8.1	24.5	1.76
C5	30 Mar 2026	8	15.62	89.91	7.5	33.31	8.1	24.5	1.55
C5	30 Mar 2026	9	15.20	90.92	7.2	33.32	8.1	24.6	1.34
C5	30 Mar 2026	10	14.73	92.55	7.0	33.34	8.0	24.7	0.95
C5	30 Mar 2026	11	14.53	93.88	6.6	33.34	8.0	24.8	0.58
A6	03 Mar 2026	1	14.98	68.04	9.4	33.30	8.2	24.7	5.95
A6	03 Mar 2026	2	14.99	68.42	9.4	33.30	8.2	24.7	6.42
A6	03 Mar 2026	3	14.87	69.58	9.2	33.30	8.2	24.7	6.44
A6	03 Mar 2026	4	14.74	74.95	9.1	33.31	8.2	24.7	7.78
A6	03 Mar 2026	5	14.69	76.08	8.9	33.31	8.1	24.7	8.98
A6	03 Mar 2026	6	14.58	76.12	8.6	33.31	8.1	24.8	9.58
A6	03 Mar 2026	7	14.40	76.76	8.4	33.32	8.1	24.8	10.60
A6	03 Mar 2026	8	14.33	76.25	8.2	33.32	8.1	24.8	10.57
A6	03 Mar 2026	9	14.32	76.27	8.2	33.32	8.1	24.8	10.65
A6	03 Mar 2026	10	14.29	77.14	8.1	33.33	8.1	24.8	10.82
A6	03 Mar 2026	11	14.26	77.55	8.0	33.33	8.1	24.8	10.92
A6	03 Mar 2026	12	14.24	77.92	8.0	33.33	8.1	24.8	10.87
A6	03 Mar 2026	13	14.22	78.45	7.9	33.33	8.1	24.9	10.37
A6	03 Mar 2026	14	14.18	78.77	7.8	33.33	8.1	24.9	10.52
A6	03 Mar 2026	15	14.07	78.49	7.7	33.34	8.1	24.9	10.62
A6	03 Mar 2026	16	13.95	79.08	7.5	33.35	8.1	24.9	9.51
A6	03 Mar 2026	17	13.85	80.96	7.4	33.35	8.1	24.9	8.11
A6	03 Mar 2026	18	13.80	81.72	7.3	33.36	8.0	25.0	7.57
A6	03 Mar 2026	19	13.63	82.34	7.0	33.37	8.0	25.0	7.65
A6	03 Mar 2026	20	13.47	83.42	6.8	33.38	8.0	25.0	6.33
A6	03 Mar 2026	21	13.43	83.85	6.8	33.38	8.0	25.1	5.87
A6	10 Mar 2026	1	15.81	95.12	8.1	33.30	8.2	24.5	0.72
A6	10 Mar 2026	2	15.80	94.92	8.1	33.31	8.2	24.5	0.76
A6	10 Mar 2026	3	15.77	95.63	8.0	33.31	8.1	24.5	0.73
A6	10 Mar 2026	4	15.73	95.88	8.0	33.31	8.1	24.5	0.71
A6	10 Mar 2026	5	15.73	95.80	7.9	33.30	8.1	24.5	0.66
A6	10 Mar 2026	6	15.73	95.77	7.9	33.31	8.1	24.5	0.66
A6	10 Mar 2026	7	15.71	95.91	8.0	33.31	8.1	24.5	0.59
A6	10 Mar 2026	8	15.67	95.78	7.9	33.31	8.1	24.5	0.62
A6	10 Mar 2026	9	15.66	95.92	7.9	33.31	8.1	24.5	0.55
A6	10 Mar 2026	10	15.65	95.80	7.8	33.31	8.1	24.5	0.52
A6	10 Mar 2026	11	15.61	95.80	7.8	33.31	8.1	24.5	0.52
A6	10 Mar 2026	12	15.60	95.76	7.8	33.31	8.1	24.5	0.51
A6	10 Mar 2026	13	15.58	95.97	7.8	33.31	8.1	24.5	0.50
A6	10 Mar 2026	14	15.52	95.82	7.7	33.31	8.1	24.6	0.48
A6	10 Mar 2026	15	15.52	95.40	7.7	33.31	8.1	24.6	0.50
A6	10 Mar 2026	16	15.27	96.15	7.6	33.34	8.1	24.6	0.60
A6	10 Mar 2026	17	14.78	96.09	7.2	33.35	8.1	24.7	0.44
A6	10 Mar 2026	18	14.63	95.81	7.0	33.34	8.0	24.8	0.36
A6	17 Mar 2026	1	16.49	91.59	8.2	33.29	8.1	24.3	0.86
A6	17 Mar 2026	2	16.49	91.51	8.2	33.29	8.1	24.3	0.87
A6	17 Mar 2026	3	16.39	91.57	8.1	33.30	8.1	24.4	0.90
A6	17 Mar 2026	4	16.06	91.37	8.2	33.30	8.1	24.4	0.99
A6	17 Mar 2026	5	15.80	91.58	8.2	33.31	8.1	24.5	1.08

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
A6	17 Mar 2026	6	15.60	91.27	8.2	33.32	8.1	24.5	1.90
A6	17 Mar 2026	7	15.58	91.08	8.1	33.31	8.1	24.5	2.74
A6	17 Mar 2026	8	15.54	89.54	8.1	33.31	8.1	24.6	2.77
A6	17 Mar 2026	9	15.48	89.20	8.1	33.31	8.1	24.6	2.51
A6	17 Mar 2026	10	15.42	89.50	8.0	33.31	8.1	24.6	2.09
A6	17 Mar 2026	11	15.36	88.50	8.0	33.32	8.1	24.6	1.97
A6	17 Mar 2026	12	15.26	88.97	7.9	33.33	8.1	24.6	1.78
A6	17 Mar 2026	13	15.17	89.90	7.7	33.33	8.1	24.6	1.62
A6	17 Mar 2026	14	15.09	90.36	7.6	33.33	8.1	24.7	1.28
A6	17 Mar 2026	15	15.02	91.08	7.5	33.34	8.1	24.7	1.19
A6	17 Mar 2026	16	14.90	91.66	7.4	33.34	8.1	24.7	1.12
A6	17 Mar 2026	17	14.75	91.65	7.2	33.35	8.0	24.8	1.11
A6	17 Mar 2026	18	14.52	92.42	7.0	33.37	8.0	24.8	0.98
A6	17 Mar 2026	19	14.10	92.86	6.5	33.39	8.0	24.9	0.78
A6	17 Mar 2026	20	13.34	93.34	6.1	33.43	7.9	25.1	0.62
A6	17 Mar 2026	21	13.43	94.26	5.9	33.38	7.9	25.1	0.52
A6	24 Mar 2026	1	18.46	92.98	8.0	33.31	8.1	23.9	0.63
A6	24 Mar 2026	2	18.09	93.00	8.1	33.31	8.1	24.0	0.67
A6	24 Mar 2026	3	17.86	92.86	8.2	33.30	8.1	24.0	0.78
A6	24 Mar 2026	4	17.61	92.55	8.3	33.30	8.1	24.1	0.88
A6	24 Mar 2026	5	17.52	92.14	8.3	33.29	8.1	24.1	1.01
A6	24 Mar 2026	6	17.39	91.81	8.4	33.29	8.1	24.1	1.08
A6	24 Mar 2026	7	17.19	91.63	8.4	33.29	8.1	24.2	1.13
A6	24 Mar 2026	8	17.19	91.40	8.4	33.28	8.1	24.2	1.21
A6	24 Mar 2026	9	17.12	91.30	8.4	33.29	8.1	24.2	1.22
A6	24 Mar 2026	10	17.07	91.25	8.4	33.29	8.1	24.2	1.25
A6	24 Mar 2026	11	16.99	91.10	8.4	33.30	8.1	24.2	1.27
A6	24 Mar 2026	12	16.89	91.21	8.2	33.30	8.1	24.2	1.31
A6	24 Mar 2026	13	16.69	91.50	7.9	33.38	8.1	24.3	1.29
A6	24 Mar 2026	14	16.42	91.96	7.9	33.50	8.1	24.5	1.11
A6	24 Mar 2026	15	16.25	92.69	7.9	33.49	8.1	24.5	0.97
A6	24 Mar 2026	16	16.03	93.14	7.9	33.48	8.0	24.6	0.86
A6	24 Mar 2026	17	15.80	93.95	7.8	33.54	8.0	24.7	0.78
A6	24 Mar 2026	18	15.47	94.08	7.7	33.54	8.0	24.7	0.76
A6	30 Mar 2026	1	16.32	90.29	7.8	33.29	8.1	24.4	1.39
A6	30 Mar 2026	2	16.31	90.40	7.8	33.29	8.1	24.4	1.42
A6	30 Mar 2026	3	16.08	89.81	7.8	33.28	8.1	24.4	1.48
A6	30 Mar 2026	4	15.80	90.74	7.9	33.29	8.1	24.5	1.68
A6	30 Mar 2026	5	15.74	90.67	7.8	33.28	8.1	24.5	1.81
A6	30 Mar 2026	6	15.32	90.64	7.7	33.29	8.1	24.6	2.06
A6	30 Mar 2026	7	15.35	90.52	7.6	33.29	8.1	24.6	2.17
A6	30 Mar 2026	8	15.11	90.25	7.6	33.30	8.1	24.6	2.22
A6	30 Mar 2026	9	14.97	90.10	7.3	33.30	8.1	24.7	2.17
A6	30 Mar 2026	10	14.18	90.42	6.9	33.35	8.0	24.9	1.75
A6	30 Mar 2026	11	13.96	92.10	6.5	33.34	8.0	24.9	1.38
A6	30 Mar 2026	12	13.40	93.19	6.0	33.38	8.0	25.1	1.06
A6	30 Mar 2026	13	13.31	93.81	5.8	33.38	7.9	25.1	0.77
A6	30 Mar 2026	14	13.08	94.41	5.6	33.40	7.9	25.1	0.67
A6	30 Mar 2026	15	13.08	94.60	5.6	33.40	7.9	25.1	0.61
A6	30 Mar 2026	16	13.16	94.45	5.6	33.39	7.9	25.1	0.62
A6	30 Mar 2026	17	12.88	94.20	5.4	33.42	7.9	25.2	0.66
A6	30 Mar 2026	18	12.65	94.23	5.2	33.43	7.9	25.2	0.55
C6	03 Mar 2026	1	15.37	78.57	9.7	33.29	8.2	24.6	2.59
C6	03 Mar 2026	2	15.31	79.07	9.6	33.30	8.2	24.6	2.64
C6	03 Mar 2026	3	15.15	77.56	9.6	33.30	8.2	24.6	3.63
C6	03 Mar 2026	4	15.08	75.05	9.4	33.31	8.2	24.6	5.97
C6	03 Mar 2026	5	15.03	76.32	9.2	33.31	8.2	24.7	7.34
C6	03 Mar 2026	6	14.97	76.79	9.2	33.31	8.2	24.7	7.98
C6	03 Mar 2026	7	14.90	76.70	9.0	33.31	8.2	24.7	8.68
C6	03 Mar 2026	8	14.74	76.57	8.7	33.32	8.1	24.7	7.91
C6	03 Mar 2026	9	14.64	77.55	8.3	33.33	8.1	24.8	6.43
C6	03 Mar 2026	10	14.60	78.78	8.0	33.32	8.1	24.8	5.22
C6	10 Mar 2026	1	16.08	93.95	8.1	33.32	8.2	24.4	0.24
C6	10 Mar 2026	2	16.09	94.00	8.1	33.32	8.2	24.4	0.23
C6	10 Mar 2026	3	16.05	94.05	8.0	33.33	8.2	24.4	0.23
C6	10 Mar 2026	4	16.02	93.65	7.9	33.32	8.2	24.5	0.24
C6	10 Mar 2026	5	16.00	93.32	7.9	33.32	8.2	24.5	0.26
C6	10 Mar 2026	6	15.94	93.16	7.7	33.33	8.1	24.5	0.29
C6	10 Mar 2026	7	15.80	92.53	7.5	33.33	8.1	24.5	0.29
C6	10 Mar 2026	8	15.55	90.38	7.3	33.33	8.1	24.6	0.31

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
C6	10 Mar 2026	9	15.51	87.76	7.3	33.33	8.1	24.6	0.34
C6	17 Mar 2026	1	17.18	85.92	7.7	33.31	8.2	24.2	0.36
C6	17 Mar 2026	2	17.04	86.18	7.8	33.31	8.2	24.2	0.39
C6	17 Mar 2026	3	16.88	86.52	7.9	33.31	8.2	24.2	0.49
C6	17 Mar 2026	4	16.66	86.63	7.8	33.32	8.1	24.3	0.68
C6	17 Mar 2026	5	16.31	86.64	7.8	33.33	8.1	24.4	0.89
C6	17 Mar 2026	6	16.10	86.96	7.9	33.32	8.1	24.4	0.86
C6	17 Mar 2026	7	15.74	88.57	7.7	33.33	8.1	24.5	1.20
C6	17 Mar 2026	8	15.39	90.16	7.4	33.35	8.1	24.6	0.89
C6	17 Mar 2026	9	15.26	91.02	7.1	33.34	8.0	24.6	0.53
C6	17 Mar 2026	10	15.18	91.84	7.0	33.34	8.0	24.7	0.42
C6	24 Mar 2026	1	18.62	90.24	8.3	33.31	8.2	23.8	0.67
C6	24 Mar 2026	2	18.62	90.16	8.3	33.30	8.2	23.8	0.70
C6	24 Mar 2026	3	18.55	90.09	8.2	33.30	8.1	23.8	0.81
C6	24 Mar 2026	4	18.46	90.55	8.1	33.30	8.1	23.9	0.85
C6	24 Mar 2026	5	18.15	90.76	8.1	33.30	8.1	23.9	0.82
C6	24 Mar 2026	6	17.82	91.14	8.0	33.30	8.1	24.0	0.65
C6	24 Mar 2026	7	17.00	92.16	7.7	33.32	8.1	24.2	0.44
C6	24 Mar 2026	8	16.08	92.85	7.6	33.32	8.0	24.4	0.35
C6	24 Mar 2026	9	16.01	93.17	7.7	33.30	8.0	24.4	0.40
C6	30 Mar 2026	1	16.50	89.22	7.8	33.30	8.1	24.3	0.91
C6	30 Mar 2026	2	16.40	89.52	7.8	33.31	8.1	24.4	0.94
C6	30 Mar 2026	3	16.17	89.46	7.7	33.31	8.1	24.4	1.06
C6	30 Mar 2026	4	15.96	89.32	7.6	33.31	8.1	24.5	1.35
C6	30 Mar 2026	5	15.66	89.24	7.4	33.32	8.1	24.5	1.39
C6	30 Mar 2026	6	15.46	90.13	7.2	33.32	8.1	24.6	1.04
C6	30 Mar 2026	7	14.81	92.06	6.7	33.34	8.0	24.7	0.73
C6	30 Mar 2026	8	14.45	93.84	6.5	33.34	8.0	24.8	0.46
C6	30 Mar 2026	9	14.42	94.16	6.4	33.34	8.0	24.8	0.40
C6	30 Mar 2026	10	14.43	94.48	6.4	33.34	8.0	24.8	0.38
C7	03 Mar 2026	1	15.34	76.97	9.0	33.29	8.2	24.6	3.51
C7	03 Mar 2026	2	15.32	79.13	9.0	33.30	8.2	24.6	3.29
C7	03 Mar 2026	3	15.23	79.29	8.9	33.30	8.2	24.6	4.05
C7	03 Mar 2026	4	14.95	76.39	8.8	33.32	8.2	24.7	5.30
C7	03 Mar 2026	5	14.86	78.21	8.7	33.30	8.1	24.7	7.61
C7	03 Mar 2026	6	14.86	78.64	8.7	33.30	8.1	24.7	8.20
C7	03 Mar 2026	7	14.85	77.26	8.7	33.30	8.1	24.7	8.50
C7	03 Mar 2026	8	14.82	76.58	8.7	33.30	8.1	24.7	8.98
C7	03 Mar 2026	9	14.61	76.34	8.5	33.31	8.1	24.8	9.35
C7	03 Mar 2026	10	14.51	76.79	8.3	33.31	8.1	24.8	10.86
C7	03 Mar 2026	11	14.47	77.40	8.1	33.31	8.1	24.8	10.23
C7	03 Mar 2026	12	14.43	77.66	8.1	33.31	8.1	24.8	10.19
C7	03 Mar 2026	13	14.45	77.57	8.1	33.31	8.1	24.8	10.23
C7	03 Mar 2026	14	14.42	78.13	8.0	33.31	8.1	24.8	10.27
C7	03 Mar 2026	15	14.38	78.79	7.9	33.32	8.1	24.8	9.28
C7	03 Mar 2026	16	14.32	79.71	7.7	33.33	8.1	24.8	8.93
C7	03 Mar 2026	17	14.14	79.66	7.3	33.34	8.0	24.9	8.24
C7	03 Mar 2026	18	13.84	82.19	6.8	33.37	8.0	25.0	5.29
C7	03 Mar 2026	19	13.84	87.13	6.6	33.35	8.0	24.9	2.86
C7	10 Mar 2026	1	15.85	94.94	8.2	33.30	8.2	24.5	0.78
C7	10 Mar 2026	2	15.79	94.94	8.2	33.31	8.2	24.5	0.86
C7	10 Mar 2026	3	15.71	94.68	8.3	33.31	8.2	24.5	1.00
C7	10 Mar 2026	4	15.59	95.08	8.2	33.31	8.2	24.5	0.90
C7	10 Mar 2026	5	15.57	95.29	8.2	33.31	8.2	24.5	0.85
C7	10 Mar 2026	6	15.54	95.22	8.2	33.31	8.2	24.6	0.84
C7	10 Mar 2026	7	15.53	95.48	8.2	33.31	8.2	24.6	0.82
C7	10 Mar 2026	8	15.51	95.46	8.2	33.31	8.2	24.6	0.71
C7	10 Mar 2026	9	15.50	95.61	8.2	33.31	8.1	24.6	0.73
C7	10 Mar 2026	10	15.48	95.62	8.1	33.31	8.1	24.6	0.74
C7	10 Mar 2026	11	15.48	95.43	8.2	33.31	8.1	24.6	0.72
C7	10 Mar 2026	12	15.46	95.67	8.1	33.31	8.1	24.6	0.69
C7	10 Mar 2026	13	15.43	95.56	8.1	33.31	8.1	24.6	0.69
C7	10 Mar 2026	14	15.42	95.86	8.1	33.31	8.1	24.6	0.73
C7	10 Mar 2026	15	15.35	96.04	8.0	33.32	8.1	24.6	0.54
C7	10 Mar 2026	16	15.26	95.93	7.9	33.33	8.1	24.6	0.54
C7	10 Mar 2026	17	15.04	95.62	7.6	33.35	8.1	24.7	0.48
C7	10 Mar 2026	18	14.22	95.43	7.1	33.42	8.1	24.9	0.44
C7	17 Mar 2026	1	17.17	94.08	8.0	33.29	8.1	24.2	0.45

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
C7	17 Mar 2026	2	17.16	91.57	8.1	33.29	8.1	24.2	0.45
C7	17 Mar 2026	3	17.14	94.01	8.0	33.29	8.1	24.2	0.44
C7	17 Mar 2026	4	17.08	94.08	8.0	33.30	8.1	24.2	0.47
C7	17 Mar 2026	5	16.96	94.06	8.1	33.30	8.1	24.2	0.50
C7	17 Mar 2026	6	16.90	93.78	8.1	33.30	8.1	24.2	0.52
C7	17 Mar 2026	7	16.82	93.56	8.1	33.30	8.1	24.3	0.51
C7	17 Mar 2026	8	16.73	93.46	8.1	33.30	8.1	24.3	0.52
C7	17 Mar 2026	9	16.38	93.42	8.2	33.31	8.1	24.4	0.52
C7	17 Mar 2026	10	15.95	93.53	8.3	33.31	8.1	24.5	0.48
C7	17 Mar 2026	11	15.68	93.94	8.4	33.31	8.1	24.5	0.52
C7	17 Mar 2026	12	15.42	93.91	8.2	33.31	8.1	24.6	0.64
C7	17 Mar 2026	13	14.84	92.83	8.0	33.34	8.1	24.7	1.68
C7	17 Mar 2026	14	14.65	91.47	7.6	33.34	8.1	24.8	2.05
C7	17 Mar 2026	15	14.17	90.91	7.1	33.37	8.0	24.9	1.72
C7	17 Mar 2026	16	13.71	91.60	6.5	33.39	8.0	25.0	0.98
C7	17 Mar 2026	17	13.66	93.96	6.3	33.38	8.0	25.0	0.50
C7	17 Mar 2026	18	13.57	95.12	6.1	33.38	8.0	25.0	0.46
C7	24 Mar 2026	1	18.54	91.17	8.2	33.31	8.1	23.8	0.93
C7	24 Mar 2026	2	18.50	91.53	8.2	33.31	8.1	23.9	0.92
C7	24 Mar 2026	3	18.45	92.29	8.2	33.30	8.1	23.9	0.90
C7	24 Mar 2026	4	18.31	92.60	8.2	33.30	8.1	23.9	0.87
C7	24 Mar 2026	5	18.10	92.82	8.2	33.30	8.1	23.9	0.81
C7	24 Mar 2026	6	17.83	92.56	8.3	33.30	8.1	24.0	0.89
C7	24 Mar 2026	7	17.38	92.25	8.3	33.31	8.1	24.1	1.01
C7	24 Mar 2026	8	17.20	91.90	8.3	33.30	8.1	24.2	1.20
C7	24 Mar 2026	9	16.90	91.33	8.3	33.30	8.1	24.2	1.35
C7	24 Mar 2026	10	16.74	90.66	8.3	33.30	8.1	24.3	1.59
C7	24 Mar 2026	11	16.53	89.69	8.3	33.30	8.1	24.3	1.75
C7	24 Mar 2026	12	16.41	89.32	8.2	33.30	8.1	24.4	1.86
C7	24 Mar 2026	13	16.27	89.36	8.2	33.30	8.1	24.4	1.91
C7	24 Mar 2026	14	16.19	89.23	8.0	33.31	8.1	24.4	2.00
C7	24 Mar 2026	15	15.50	91.03	7.5	33.32	8.0	24.6	1.69
C7	24 Mar 2026	16	14.82	93.26	7.1	33.33	8.0	24.7	0.78
C7	24 Mar 2026	17	14.75	94.83	7.0	33.32	8.0	24.7	0.46
C7	24 Mar 2026	18	14.70	94.99	7.0	33.32	8.0	24.7	0.43
C7	30 Mar 2026	1	16.34	91.13	7.8	33.29	8.1	24.4	1.18
C7	30 Mar 2026	2	16.34	91.10	7.8	33.29	8.1	24.4	1.19
C7	30 Mar 2026	3	16.00	90.56	7.7	33.28	8.1	24.4	1.32
C7	30 Mar 2026	4	15.77	90.65	7.8	33.30	8.1	24.5	1.59
C7	30 Mar 2026	5	15.60	90.53	7.7	33.30	8.1	24.5	1.92
C7	30 Mar 2026	6	15.36	89.40	7.6	33.30	8.1	24.6	2.32
C7	30 Mar 2026	7	15.29	88.25	7.7	33.30	8.1	24.6	2.65
C7	30 Mar 2026	8	15.17	88.23	7.6	33.30	8.1	24.6	2.81
C7	30 Mar 2026	9	15.02	87.63	7.5	33.31	8.1	24.7	2.78
C7	30 Mar 2026	10	14.96	87.60	7.5	33.30	8.1	24.7	2.76
C7	30 Mar 2026	11	14.90	87.73	7.5	33.30	8.1	24.7	2.98
C7	30 Mar 2026	12	14.77	88.04	7.3	33.31	8.1	24.7	3.00
C7	30 Mar 2026	13	14.60	88.35	7.2	33.32	8.1	24.8	2.84
C7	30 Mar 2026	14	14.44	89.96	7.1	33.32	8.0	24.8	2.29
C7	30 Mar 2026	15	14.20	91.09	6.9	33.33	8.0	24.9	1.83
C7	30 Mar 2026	16	13.62	91.72	6.4	33.36	8.0	25.0	1.62
C7	30 Mar 2026	17	12.88	93.50	5.6	33.40	7.9	25.2	1.15
C7	30 Mar 2026	18	12.33	94.43	5.1	33.44	7.8	25.3	0.71
C8	03 Mar 2026	1	15.26	76.56	9.3	33.26	8.2	24.6	3.88
C8	03 Mar 2026	2	15.16	76.16	9.2	33.26	8.2	24.6	4.15
C8	03 Mar 2026	3	15.07	76.53	9.0	33.26	8.2	24.6	5.98
C8	03 Mar 2026	4	14.79	76.49	8.8	33.28	8.2	24.7	8.48
C8	03 Mar 2026	5	14.71	76.48	8.7	33.29	8.1	24.7	10.44
C8	03 Mar 2026	6	14.68	75.61	8.7	33.29	8.1	24.7	11.25
C8	03 Mar 2026	7	14.63	75.92	8.6	33.29	8.1	24.7	12.22
C8	03 Mar 2026	8	14.57	75.38	8.6	33.30	8.1	24.8	12.31
C8	03 Mar 2026	9	14.44	75.28	8.3	33.31	8.1	24.8	12.73
C8	03 Mar 2026	10	14.30	75.63	8.0	33.32	8.1	24.8	12.94
C8	03 Mar 2026	11	14.25	74.98	7.9	33.32	8.1	24.8	13.56
C8	03 Mar 2026	12	14.23	74.54	7.8	33.32	8.1	24.8	12.87
C8	03 Mar 2026	13	14.22	73.91	7.8	33.32	8.1	24.8	12.49
C8	03 Mar 2026	14	14.18	74.13	7.7	33.32	8.1	24.9	11.94
C8	03 Mar 2026	15	14.02	73.41	7.3	33.33	8.0	24.9	12.36
C8	03 Mar 2026	16	13.82	73.19	6.9	33.34	8.0	24.9	11.33
C8	03 Mar 2026	17	13.63	74.45	6.6	33.36	8.0	25.0	9.97
C8	03 Mar 2026	18	13.61	74.05	6.5	33.36	8.0	25.0	10.06

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
C8	03 Mar 2026	19	13.57	73.50	6.4	33.36	8.0	25.0	9.21
C8	03 Mar 2026	20	13.57	73.15	6.4	33.36	8.0	25.0	10.03
C8	10 Mar 2026	1	15.90	94.59	8.2	33.30	8.2	24.5	0.67
C8	10 Mar 2026	2	15.77	94.51	8.2	33.31	8.2	24.5	0.92
C8	10 Mar 2026	3	15.60	94.14	8.3	33.33	8.2	24.5	1.33
C8	10 Mar 2026	4	15.51	94.23	8.3	33.31	8.2	24.6	1.43
C8	10 Mar 2026	5	15.50	94.38	8.3	33.31	8.2	24.6	1.22
C8	10 Mar 2026	6	15.50	94.63	8.2	33.31	8.2	24.6	1.20
C8	10 Mar 2026	7	15.48	94.59	8.2	33.31	8.2	24.6	1.21
C8	10 Mar 2026	8	15.37	94.67	8.1	33.32	8.1	24.6	1.34
C8	10 Mar 2026	9	15.32	94.48	8.0	33.32	8.1	24.6	1.43
C8	10 Mar 2026	10	15.24	94.64	7.9	33.32	8.1	24.6	1.32
C8	10 Mar 2026	11	15.17	94.95	7.9	33.32	8.1	24.6	1.03
C8	10 Mar 2026	12	15.11	95.12	7.8	33.32	8.1	24.7	0.85
C8	10 Mar 2026	13	15.08	95.63	7.8	33.32	8.1	24.7	0.77
C8	10 Mar 2026	14	15.05	95.60	7.8	33.32	8.1	24.7	0.65
C8	10 Mar 2026	15	15.04	95.78	7.8	33.32	8.1	24.7	0.63
C8	10 Mar 2026	16	14.98	96.20	7.7	33.34	8.1	24.7	0.56
C8	10 Mar 2026	17	14.65	95.94	7.4	33.37	8.1	24.8	0.44
C8	10 Mar 2026	18	14.26	92.27	6.9	33.37	8.0	24.9	0.46
C8	10 Mar 2026	19	14.23	90.80	6.7	33.36	8.0	24.9	0.39
C8	17 Mar 2026	1	17.55	93.57	8.0	33.28	8.2	24.1	0.44
C8	17 Mar 2026	2	17.59	93.69	8.0	33.27	8.2	24.1	0.45
C8	17 Mar 2026	3	17.55	93.71	8.0	33.28	8.2	24.1	0.42
C8	17 Mar 2026	4	17.18	93.72	8.0	33.30	8.2	24.2	0.50
C8	17 Mar 2026	5	17.02	93.50	8.0	33.30	8.1	24.2	0.69
C8	17 Mar 2026	6	16.90	91.84	7.9	33.30	8.1	24.2	1.00
C8	17 Mar 2026	7	16.72	91.28	7.9	33.30	8.1	24.3	1.15
C8	17 Mar 2026	8	16.28	89.65	8.0	33.32	8.1	24.4	1.17
C8	17 Mar 2026	9	16.02	89.28	8.2	33.31	8.1	24.4	1.06
C8	17 Mar 2026	10	15.65	90.01	8.2	33.31	8.1	24.5	1.02
C8	17 Mar 2026	11	15.33	91.24	8.4	33.32	8.1	24.6	0.90
C8	17 Mar 2026	12	15.07	91.54	8.3	33.31	8.1	24.7	0.87
C8	17 Mar 2026	13	14.69	92.41	8.1	33.33	8.1	24.7	1.35
C8	17 Mar 2026	14	14.59	92.32	7.9	33.32	8.1	24.8	1.66
C8	17 Mar 2026	15	14.46	91.26	7.8	33.33	8.1	24.8	1.84
C8	17 Mar 2026	16	14.35	90.93	7.5	33.34	8.1	24.8	1.62
C8	17 Mar 2026	17	14.21	91.24	7.2	33.34	8.0	24.9	1.23
C8	17 Mar 2026	18	14.08	92.82	7.0	33.35	8.0	24.9	0.87
C8	17 Mar 2026	19	14.04	93.42	6.8	33.35	8.0	24.9	0.70
C8	17 Mar 2026	20	14.03	93.50	6.7	33.35	8.0	24.9	0.64
C8	24 Mar 2026	1	18.57	92.02	8.0	33.30	8.1	23.8	0.69
C8	24 Mar 2026	2	18.56	91.99	8.1	33.30	8.1	23.8	0.71
C8	24 Mar 2026	3	18.55	92.04	8.0	33.30	8.1	23.8	0.69
C8	24 Mar 2026	4	18.50	92.07	8.1	33.30	8.1	23.9	0.70
C8	24 Mar 2026	5	18.45	92.27	8.1	33.30	8.1	23.9	0.74
C8	24 Mar 2026	6	18.44	92.10	8.1	33.30	8.1	23.9	0.77
C8	24 Mar 2026	7	18.43	92.23	8.1	33.30	8.1	23.9	0.80
C8	24 Mar 2026	8	18.33	92.23	8.1	33.29	8.1	23.9	0.79
C8	24 Mar 2026	9	17.60	92.15	8.2	33.30	8.1	24.1	0.82
C8	24 Mar 2026	10	16.67	92.15	8.3	33.31	8.1	24.3	1.21
C8	24 Mar 2026	11	15.99	92.05	8.2	33.30	8.1	24.4	2.15
C8	24 Mar 2026	12	15.67	89.33	8.0	33.31	8.1	24.5	2.78
C8	24 Mar 2026	13	15.61	87.84	7.9	33.30	8.1	24.5	2.91
C8	24 Mar 2026	14	15.52	87.73	7.8	33.30	8.1	24.5	2.88
C8	24 Mar 2026	15	15.29	87.55	7.5	33.30	8.0	24.6	2.33
C8	24 Mar 2026	16	15.03	88.61	7.3	33.32	8.0	24.7	1.16
C8	24 Mar 2026	17	14.82	89.90	7.1	33.31	8.0	24.7	0.87
C8	24 Mar 2026	18	14.59	92.11	7.0	33.32	8.0	24.8	0.66
C8	30 Mar 2026	1	16.60	90.15	7.9	33.30	8.1	24.3	1.17
C8	30 Mar 2026	2	16.60	89.91	7.9	33.30	8.1	24.3	1.20
C8	30 Mar 2026	3	16.58	89.95	7.9	33.30	8.1	24.3	1.24
C8	30 Mar 2026	4	16.57	90.13	7.9	33.30	8.1	24.3	1.29
C8	30 Mar 2026	5	16.52	90.21	7.9	33.30	8.1	24.3	1.34
C8	30 Mar 2026	6	16.49	90.19	7.9	33.30	8.1	24.3	1.33
C8	30 Mar 2026	7	16.39	90.14	7.8	33.30	8.1	24.3	1.44
C8	30 Mar 2026	8	15.98	89.68	7.8	33.31	8.1	24.4	1.70
C8	30 Mar 2026	9	15.89	89.42	7.7	33.29	8.1	24.5	1.98
C8	30 Mar 2026	10	15.19	88.49	7.6	33.31	8.1	24.6	2.23
C8	30 Mar 2026	11	14.88	88.40	7.5	33.31	8.1	24.7	2.44

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens ( $\sigma$ -t)	Chlor ( $\mu$ g/L)
C8	30 Mar 2026	12	14.53	89.17	7.3	33.31	8.1	24.8	2.45
C8	30 Mar 2026	13	14.29	89.97	7.0	33.32	8.0	24.8	2.19
C8	30 Mar 2026	14	13.80	90.74	6.6	33.34	8.0	24.9	1.92
C8	30 Mar 2026	15	13.44	91.80	6.3	33.36	8.0	25.0	1.56
C8	30 Mar 2026	16	13.27	93.02	6.1	33.36	8.0	25.1	1.39
C8	30 Mar 2026	17	12.93	93.63	5.8	33.37	7.9	25.1	1.28
C8	30 Mar 2026	18	12.47	94.24	5.3	33.42	7.9	25.3	0.92
C8	30 Mar 2026	19	12.59	94.18	5.2	33.40	7.9	25.2	0.69
C8	30 Mar 2026	20	12.34	94.55	5.1	33.43	7.8	25.3	0.75

NA = not available

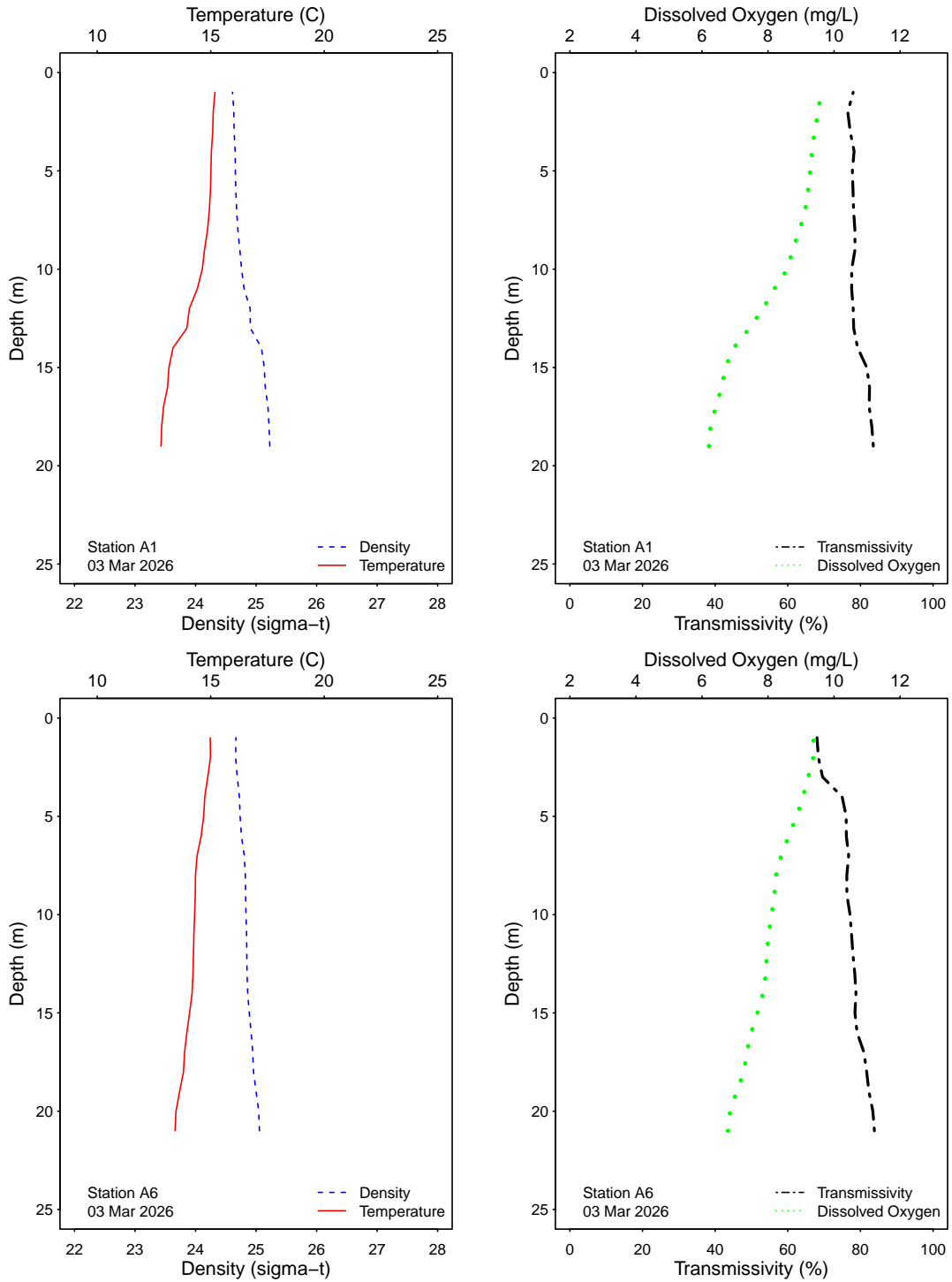


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

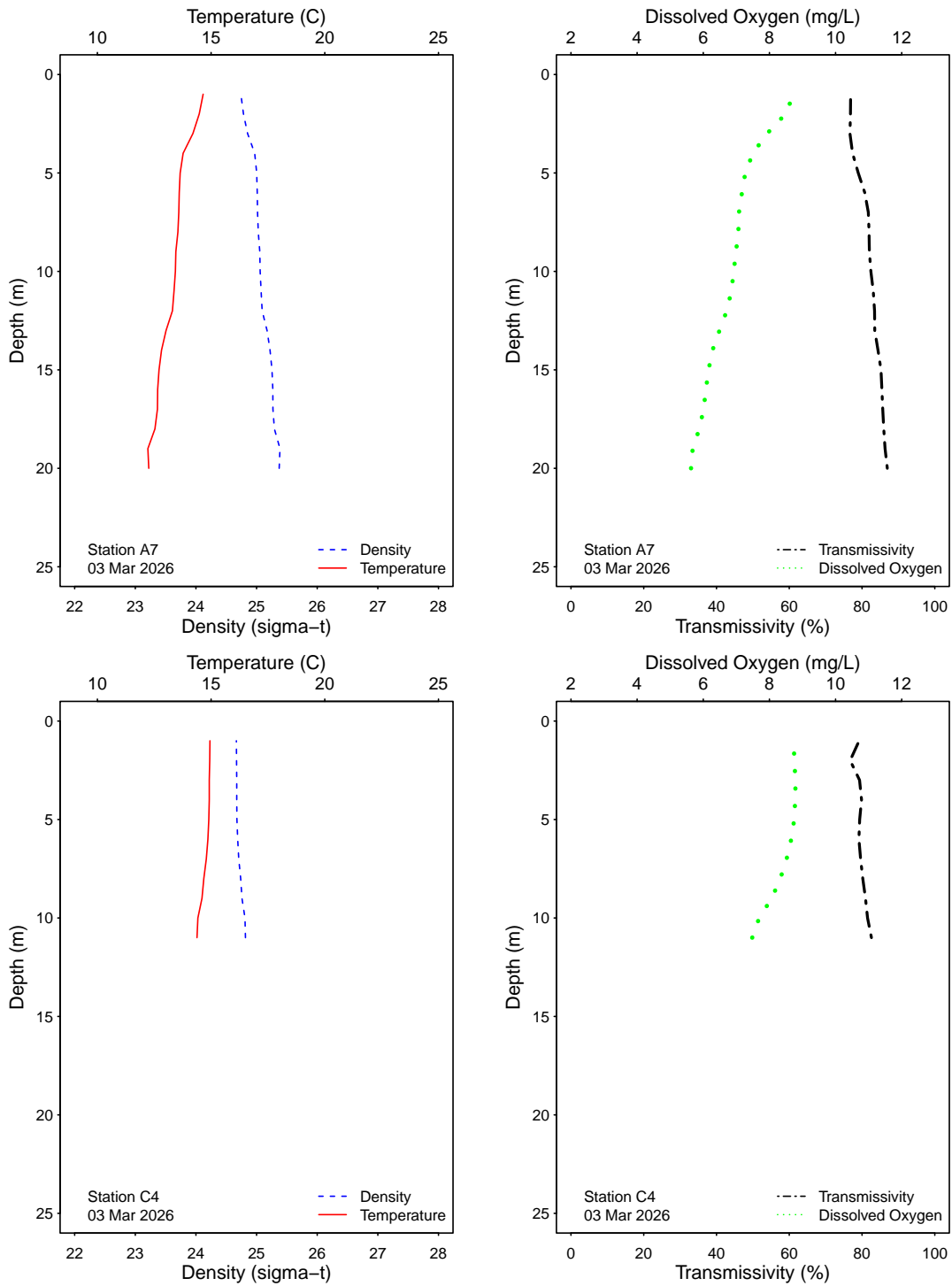


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

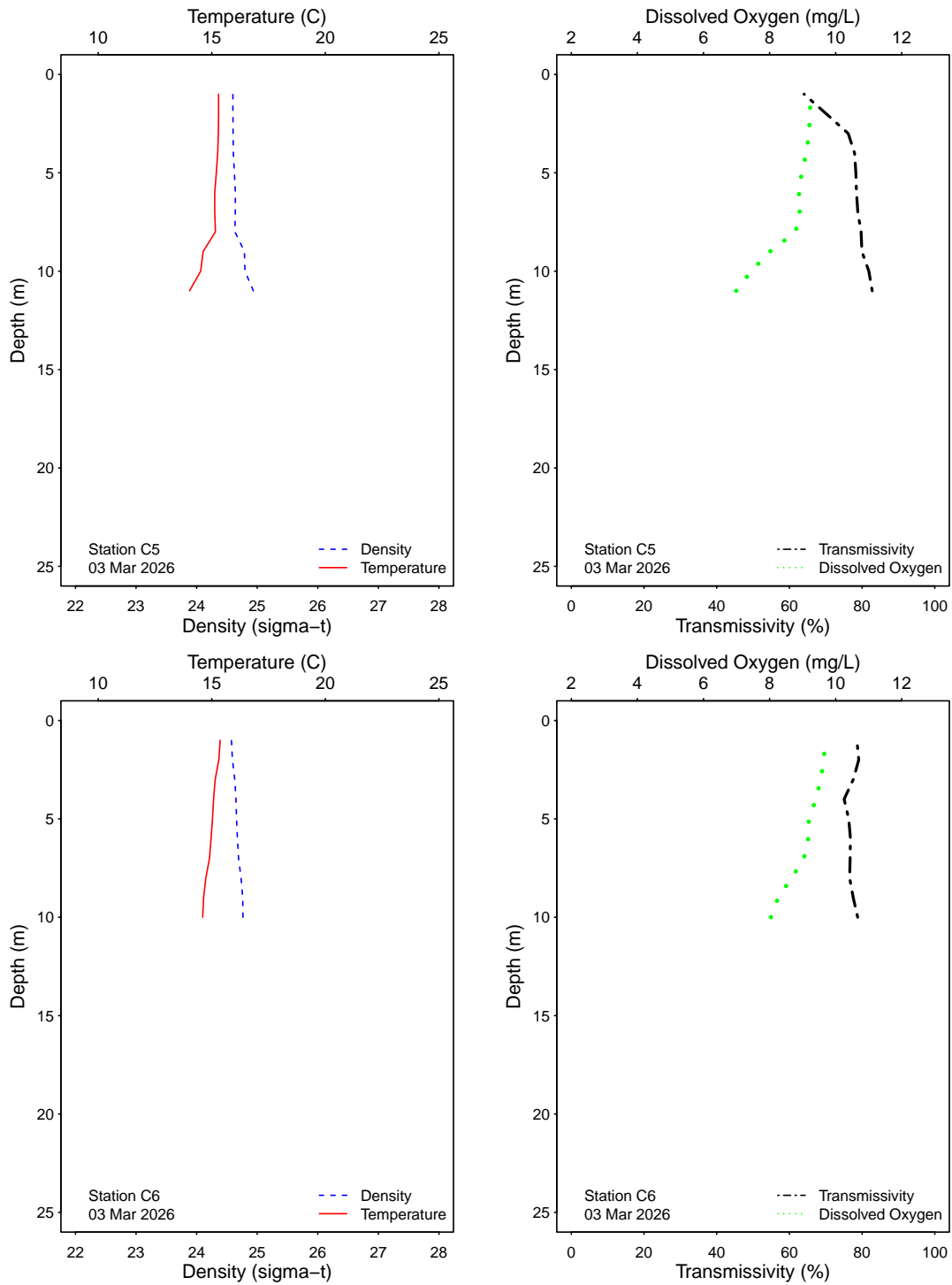


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

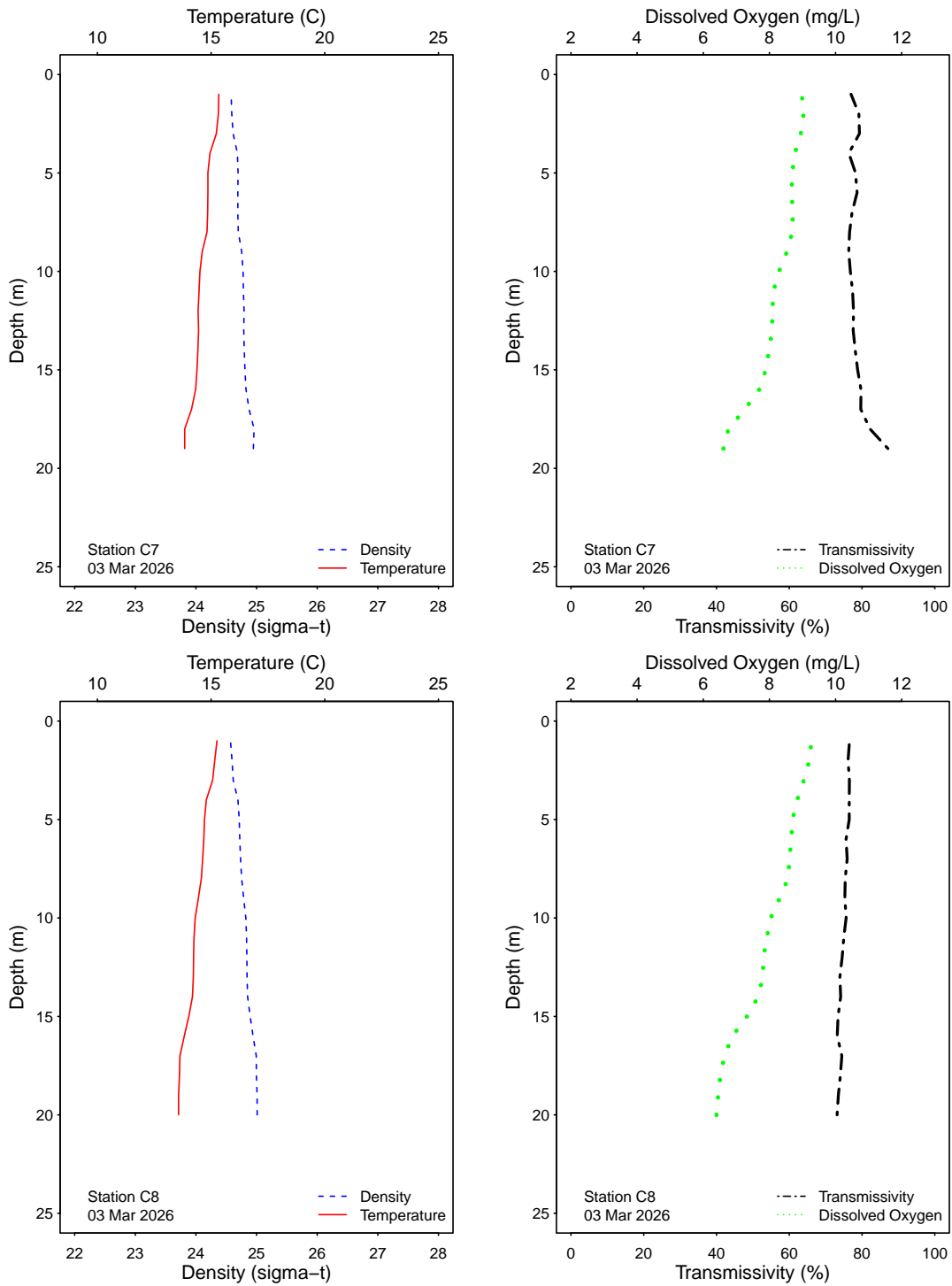


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

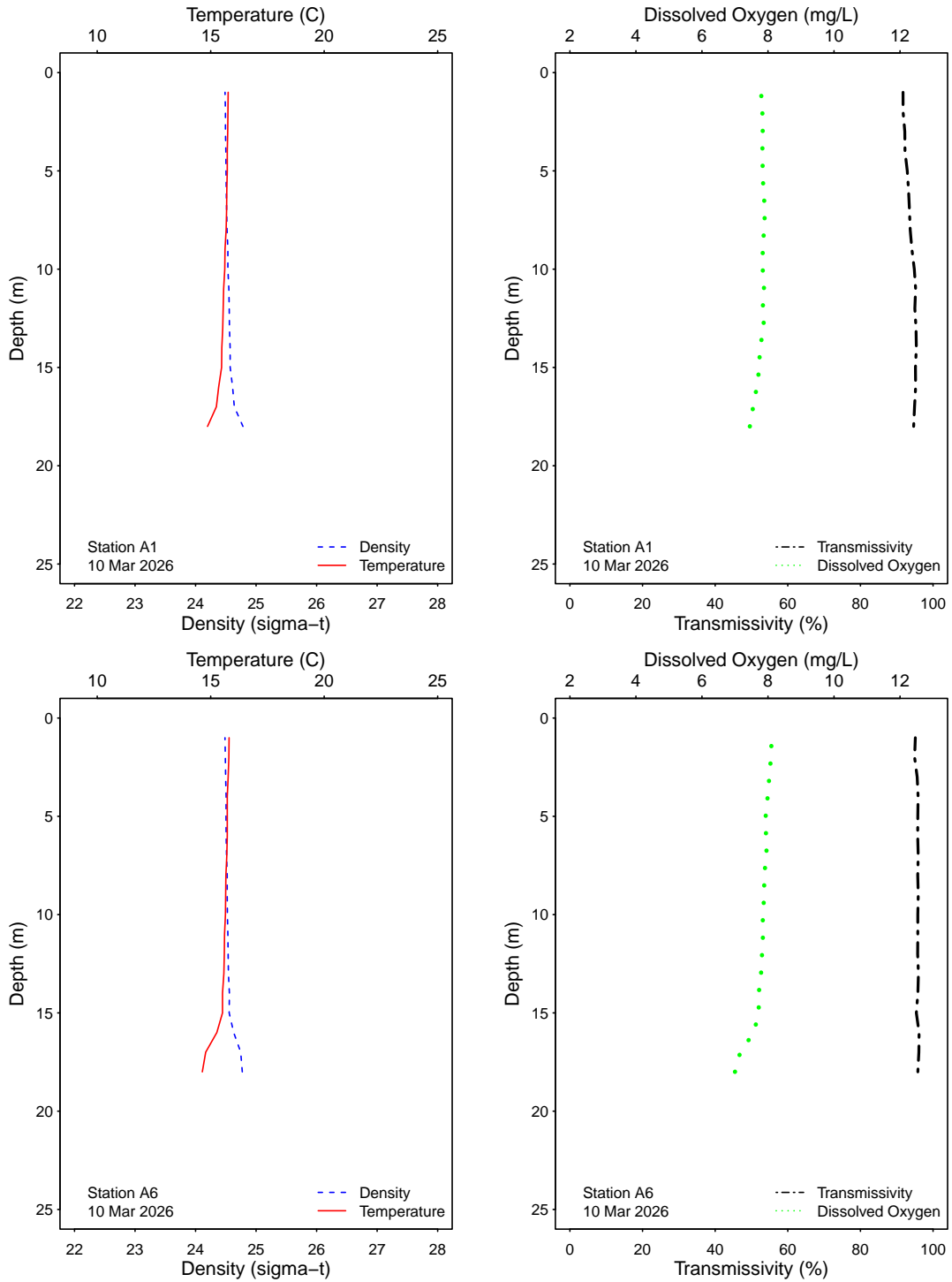


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

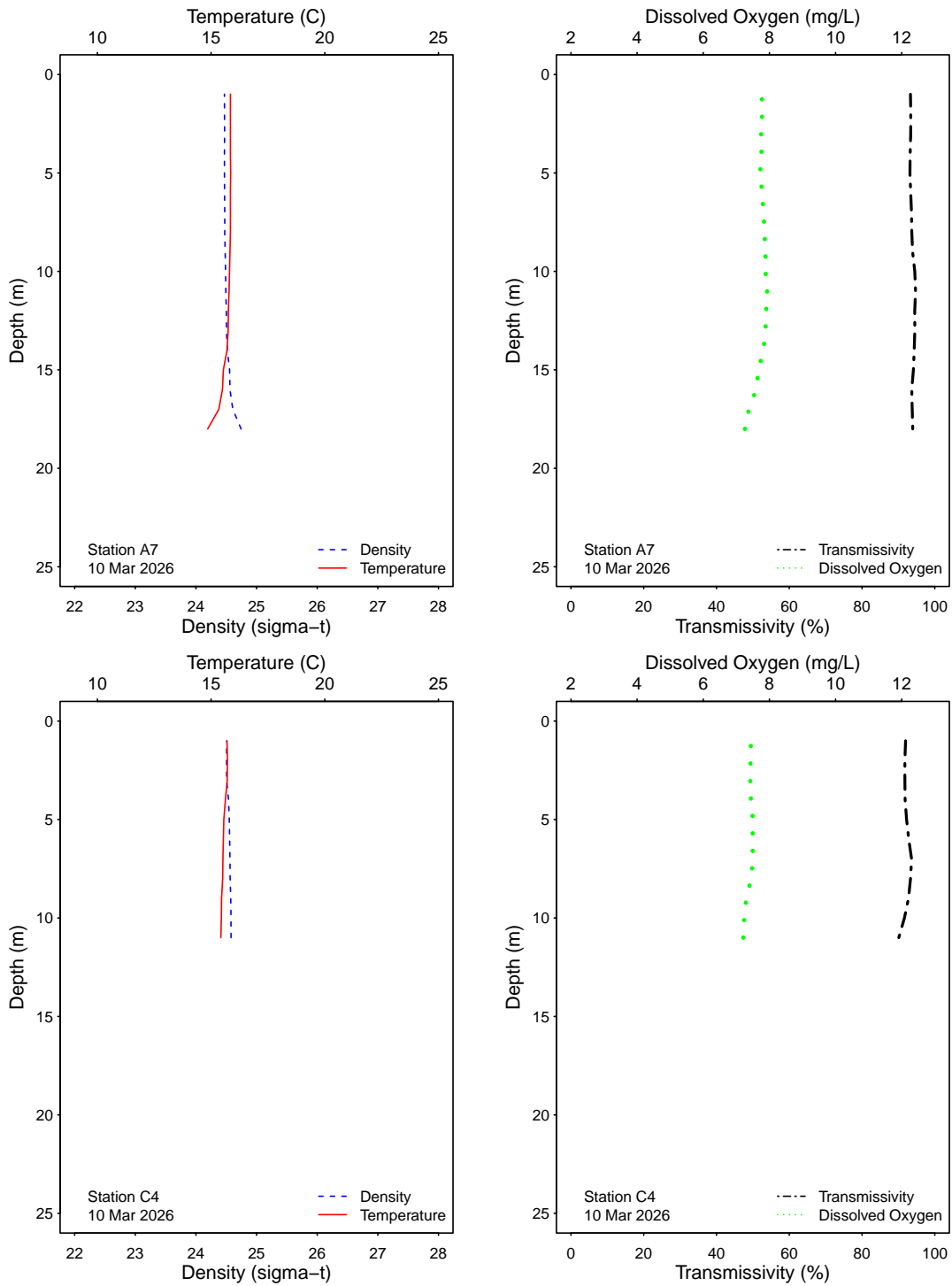


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

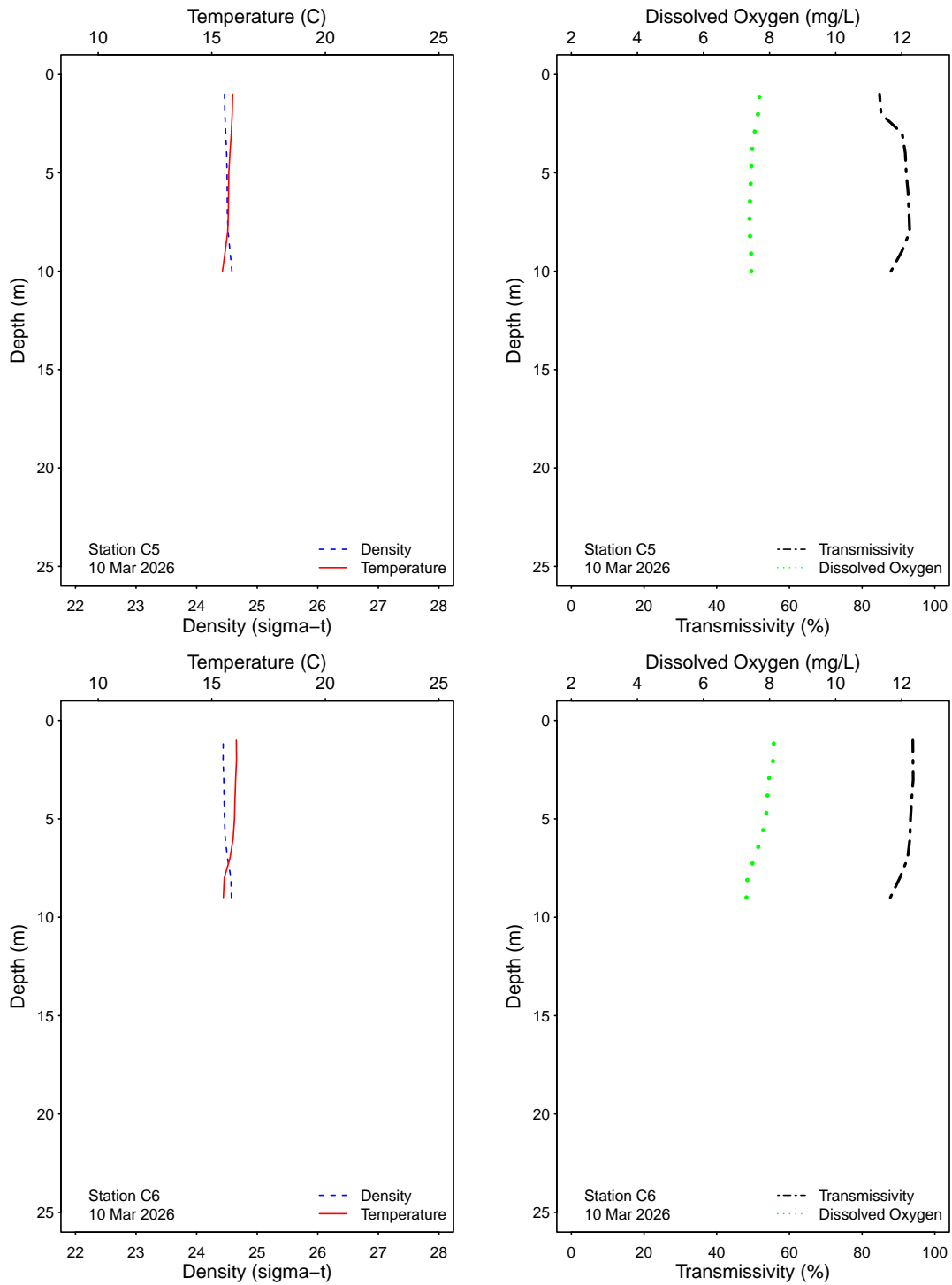


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

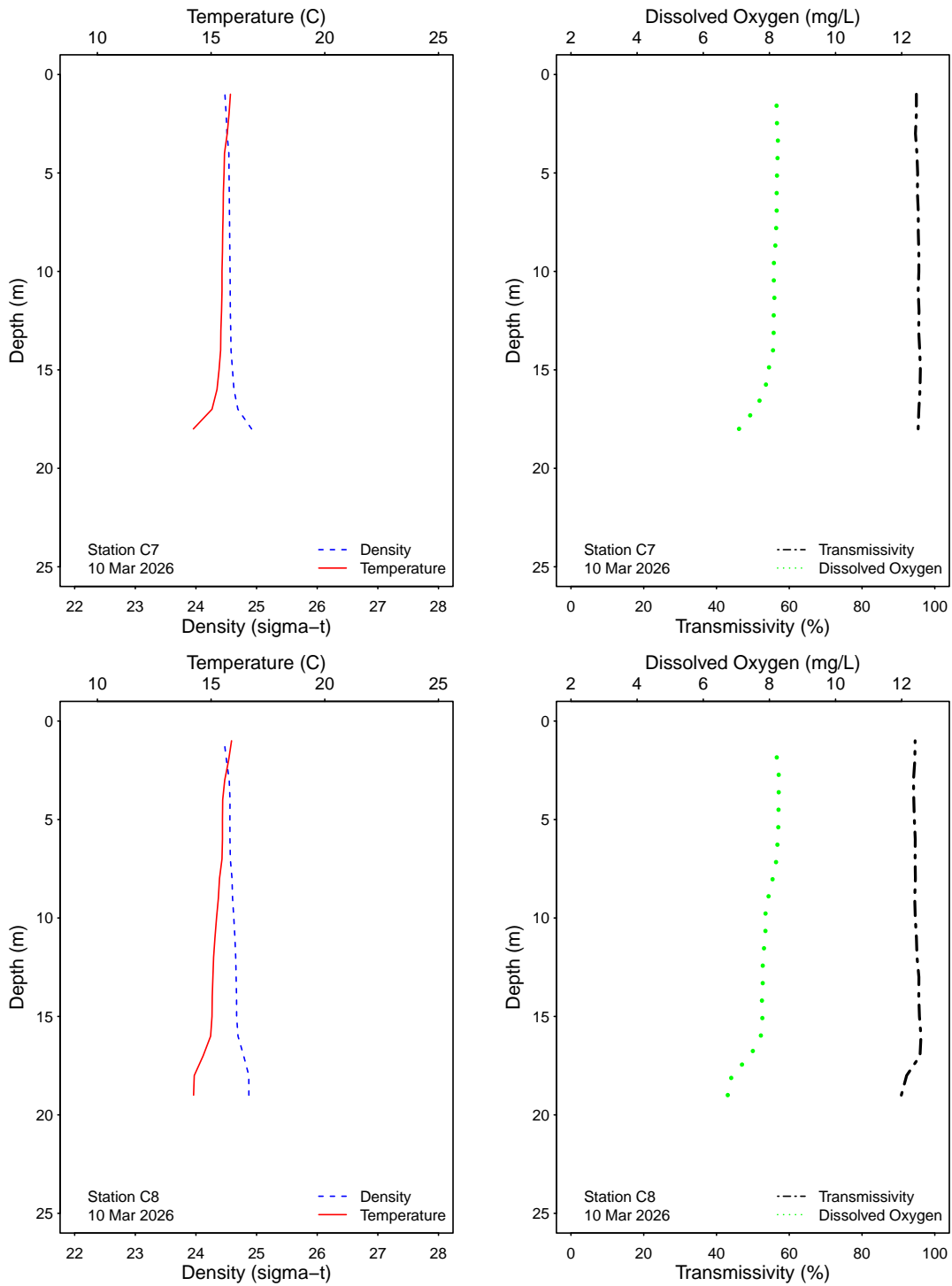


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

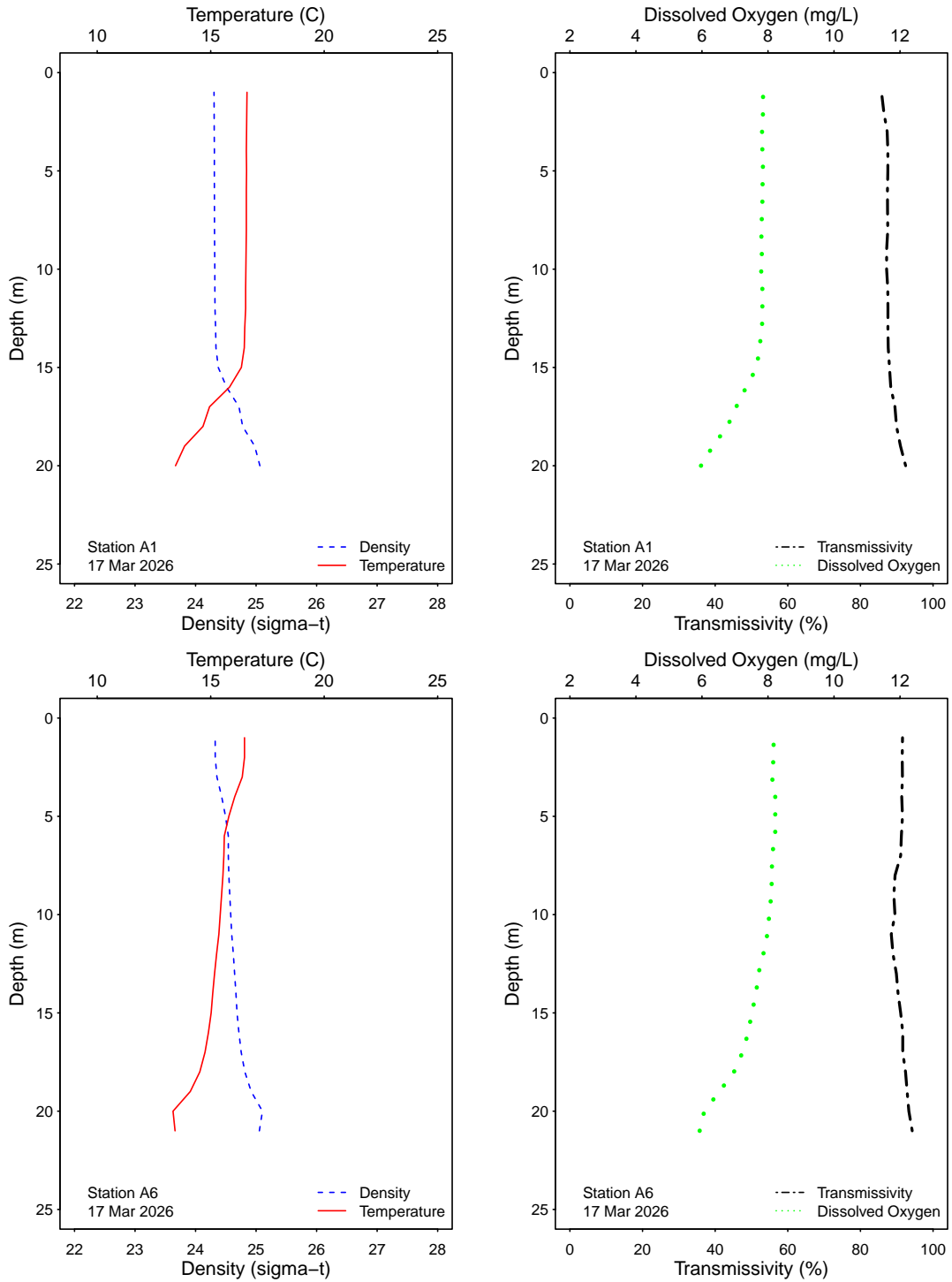


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

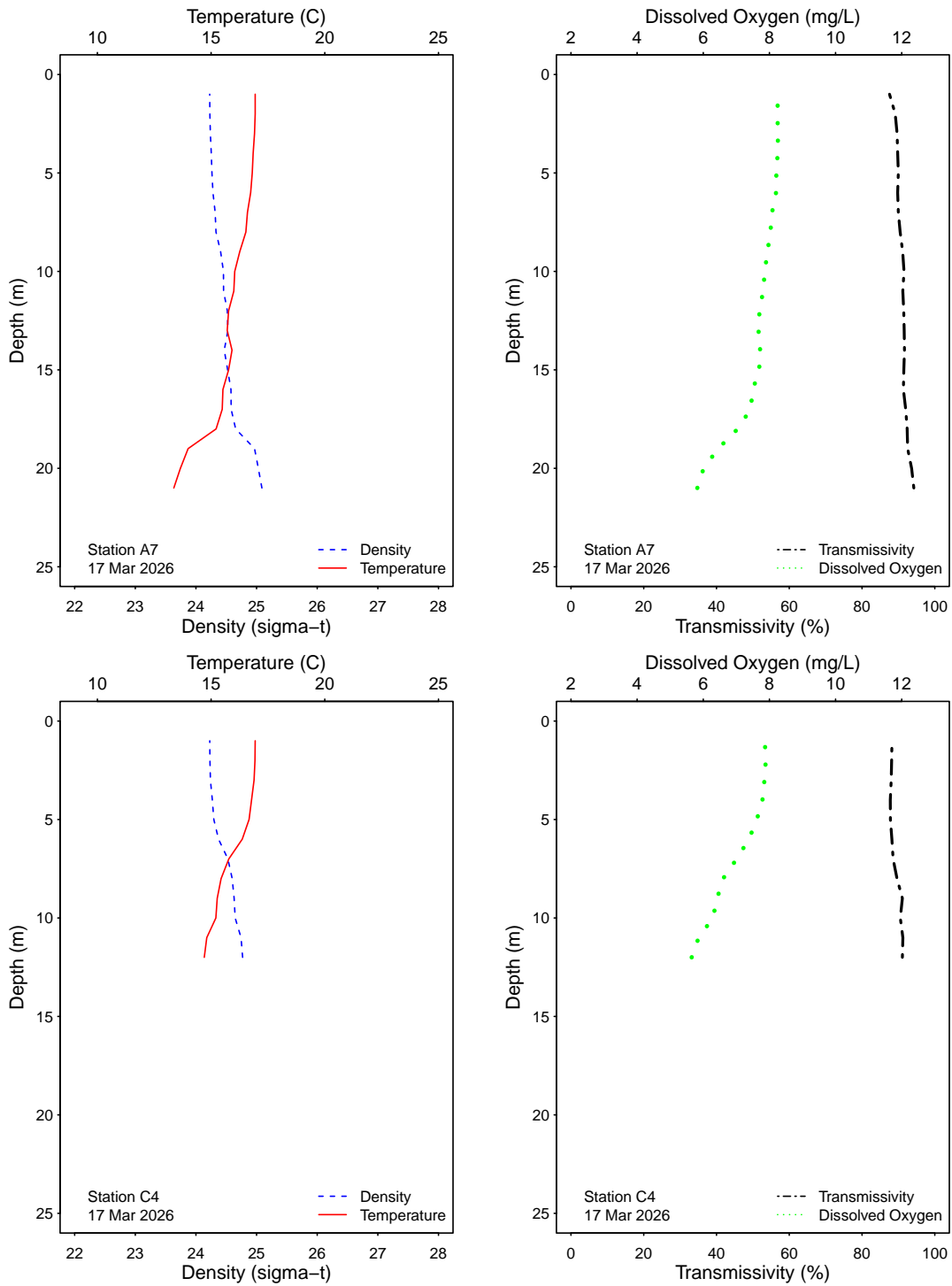


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

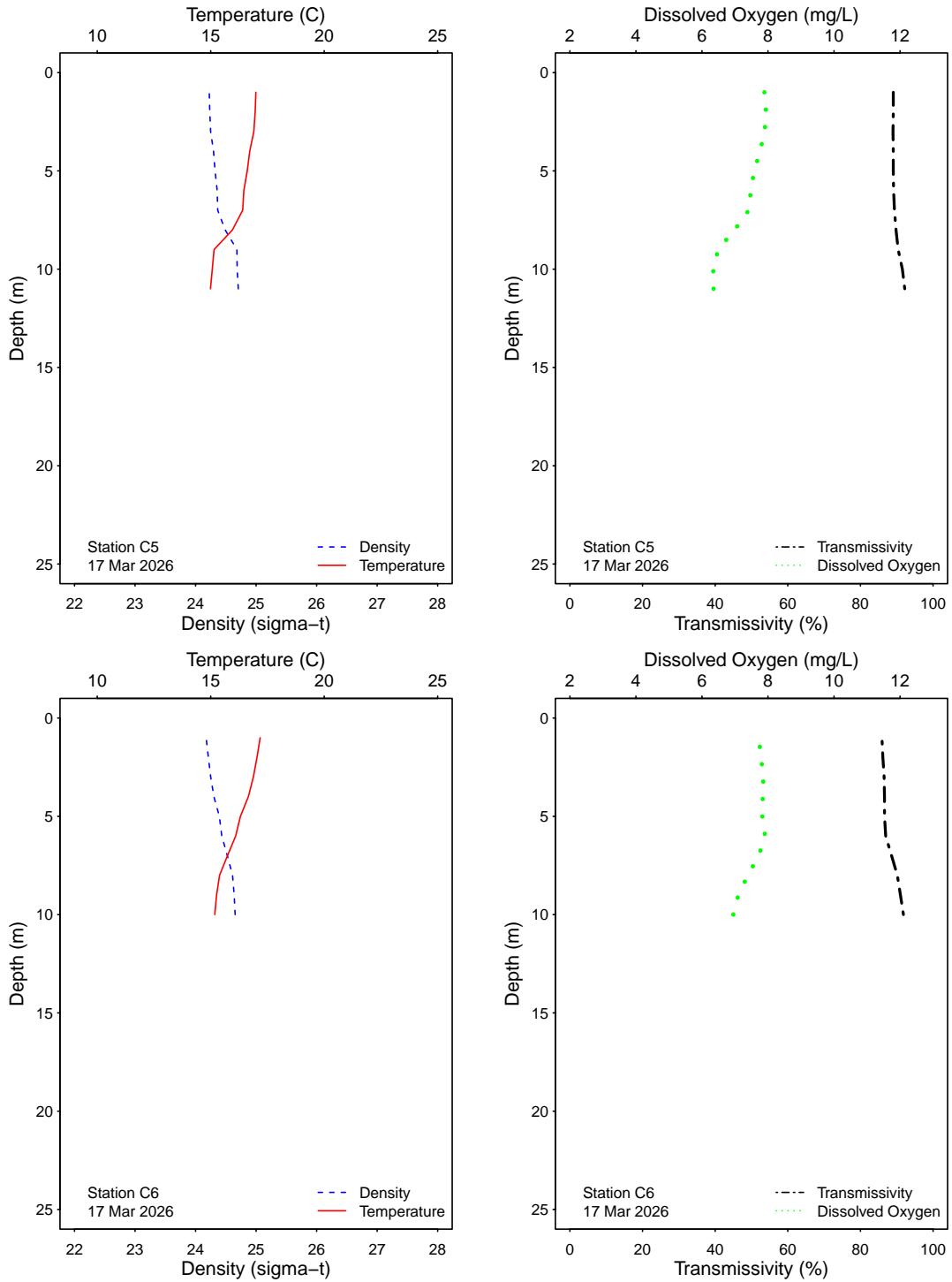


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

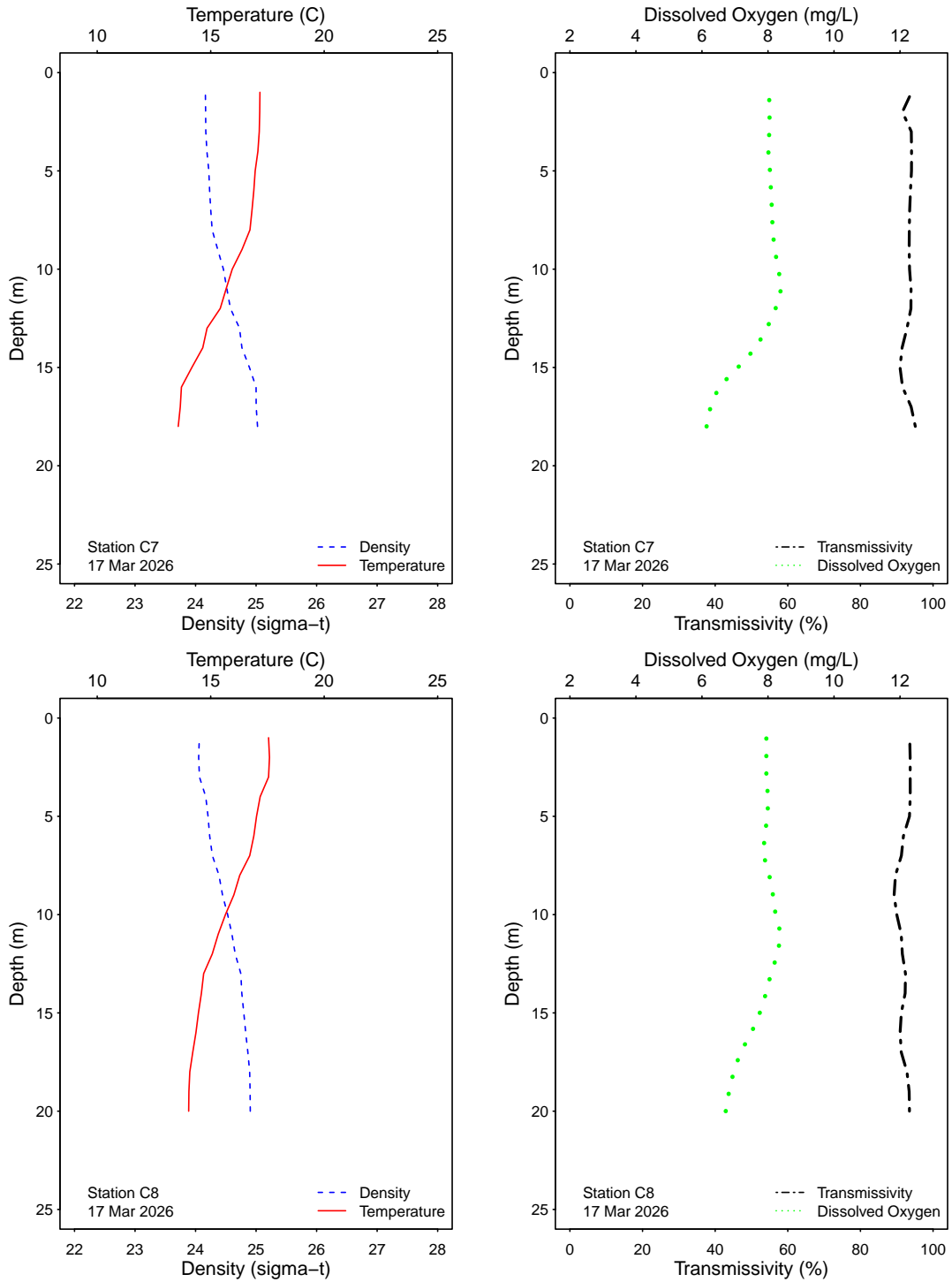


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

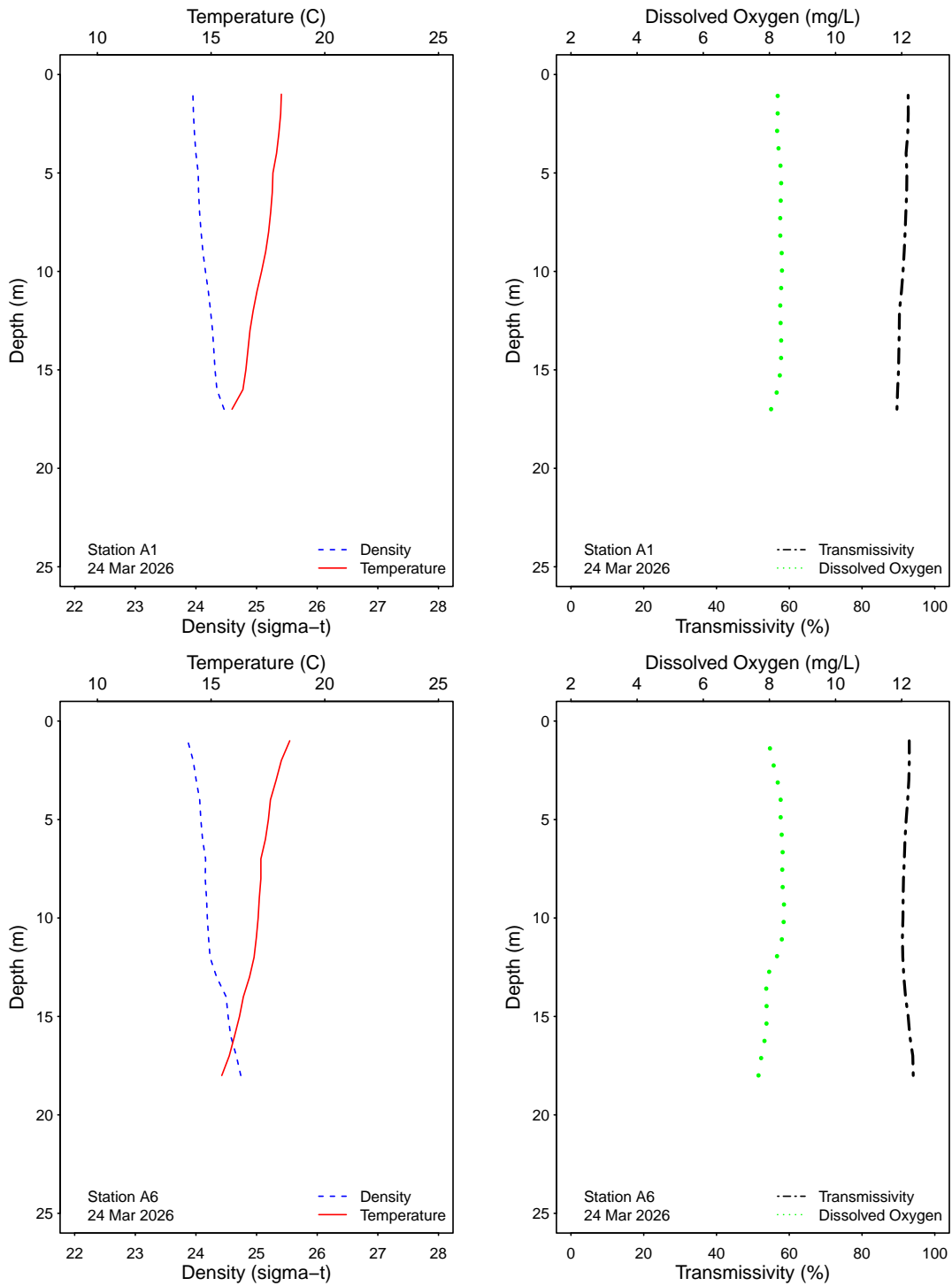


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

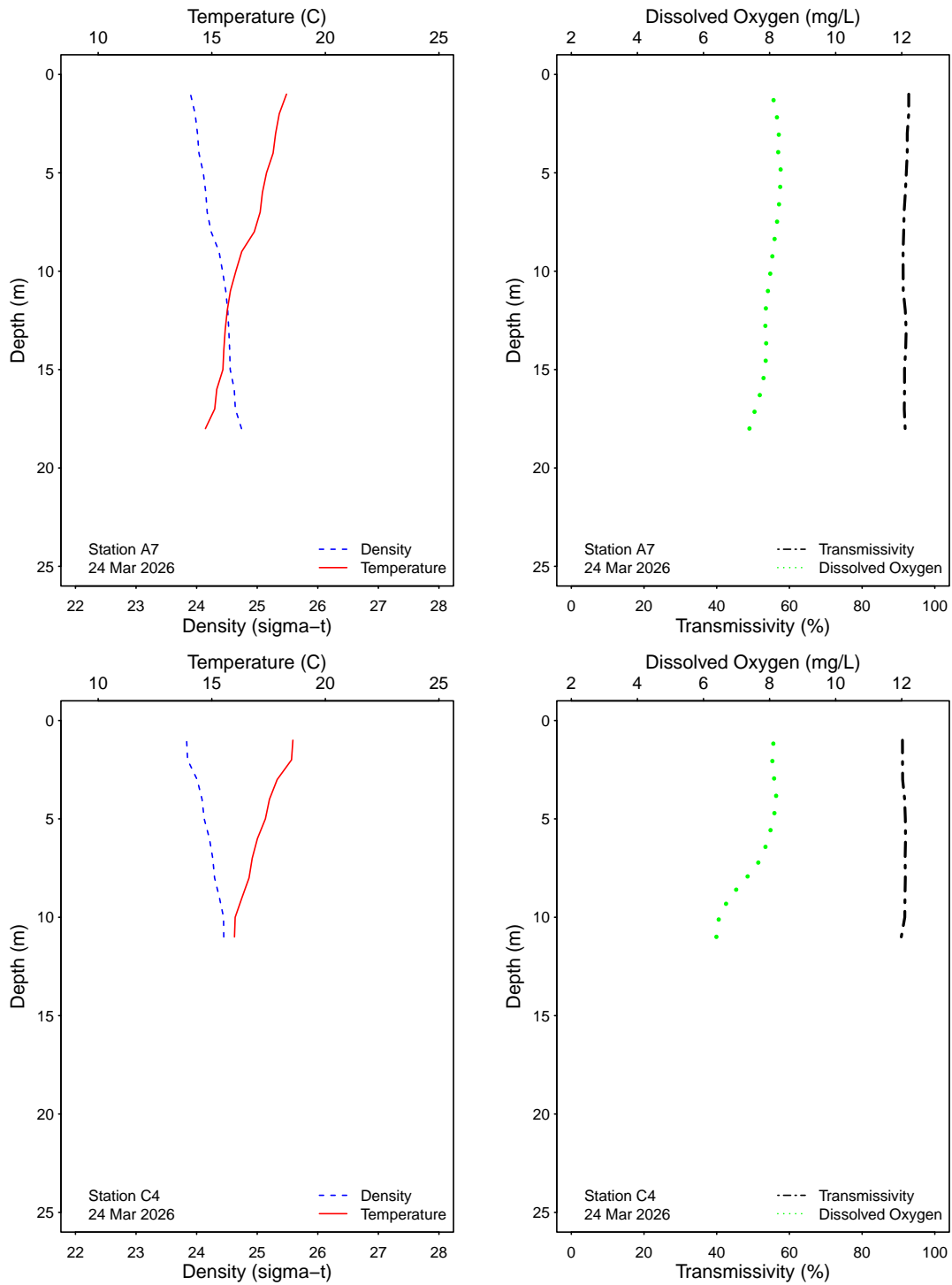


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

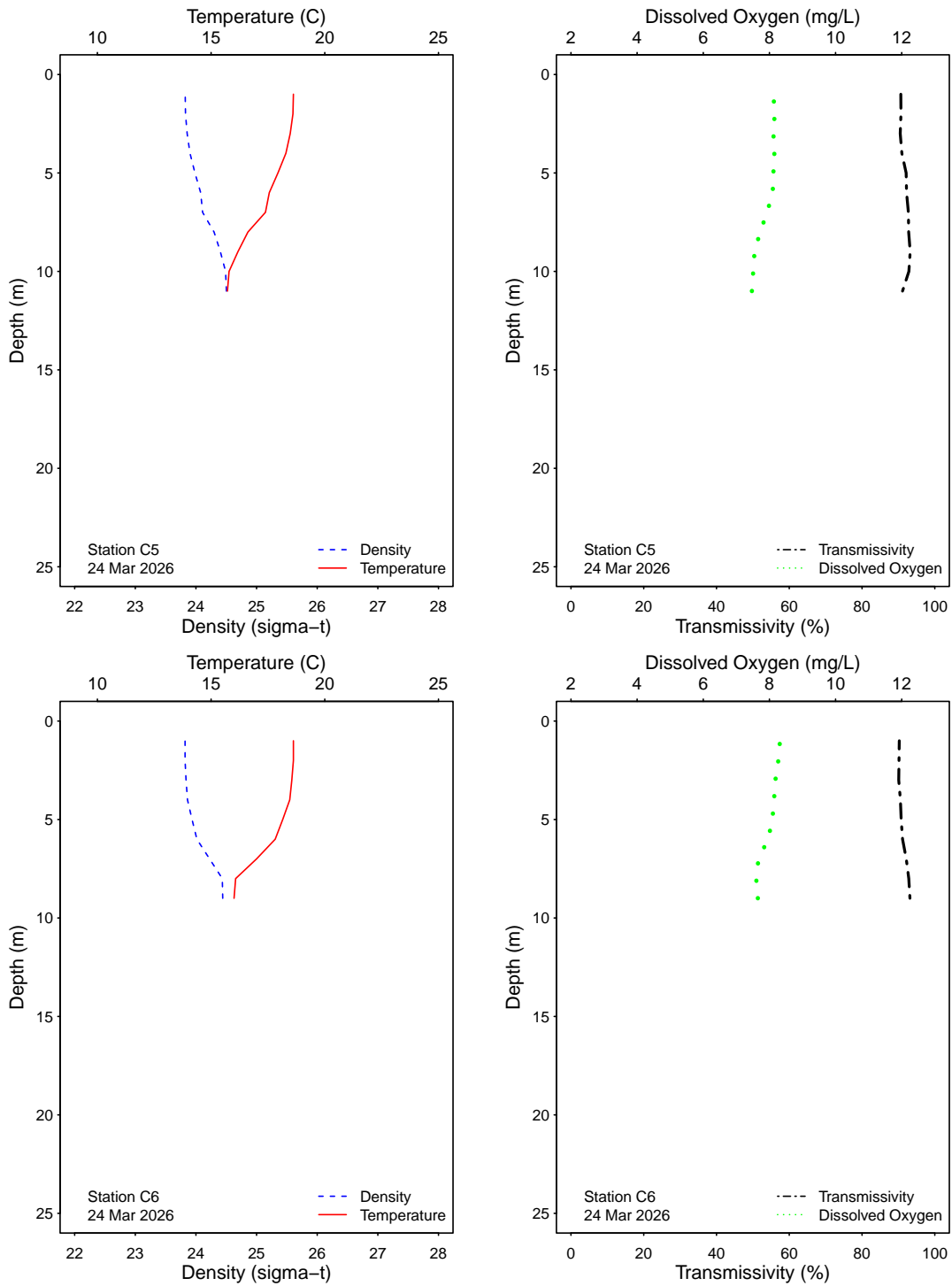


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

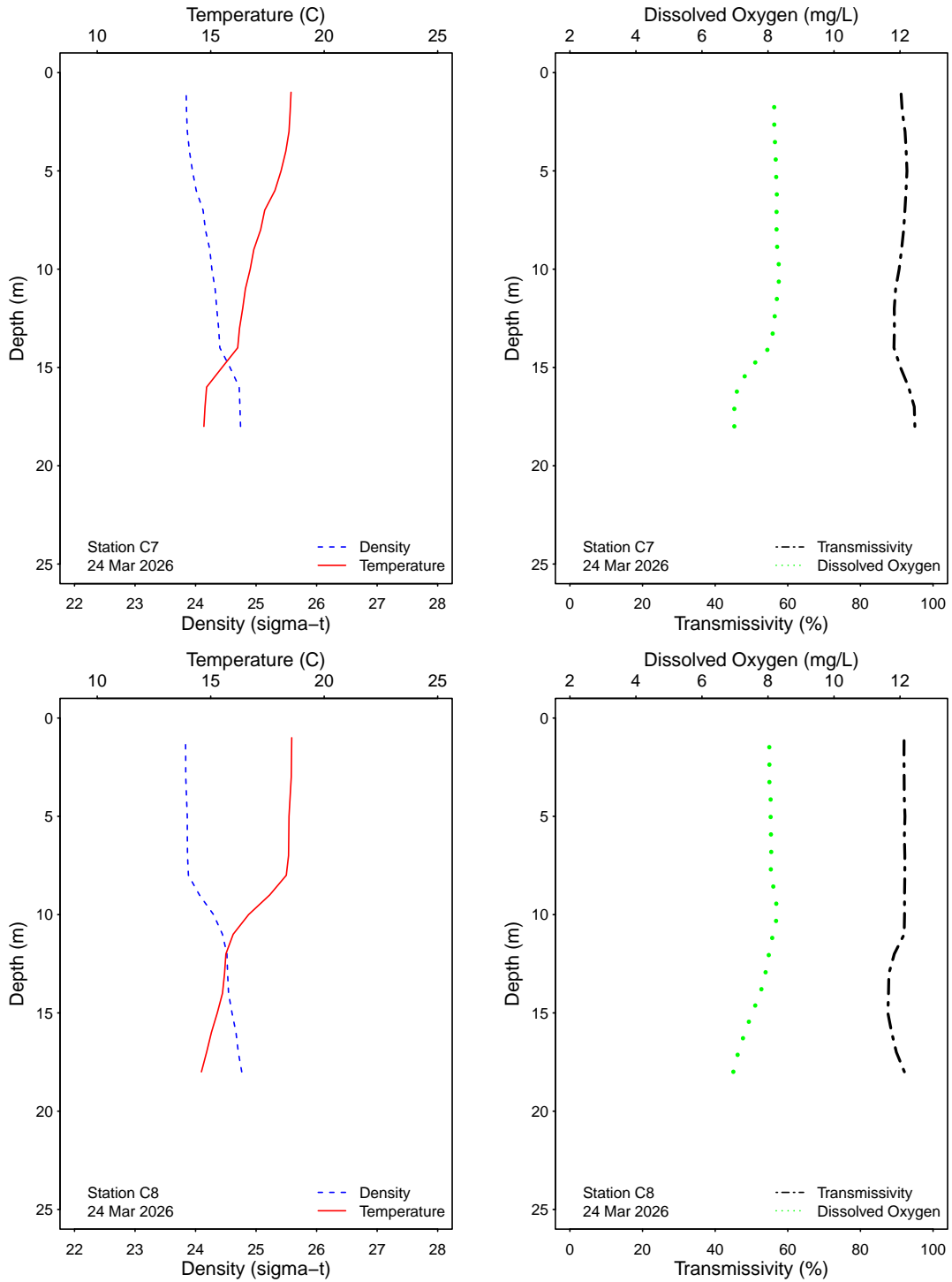


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

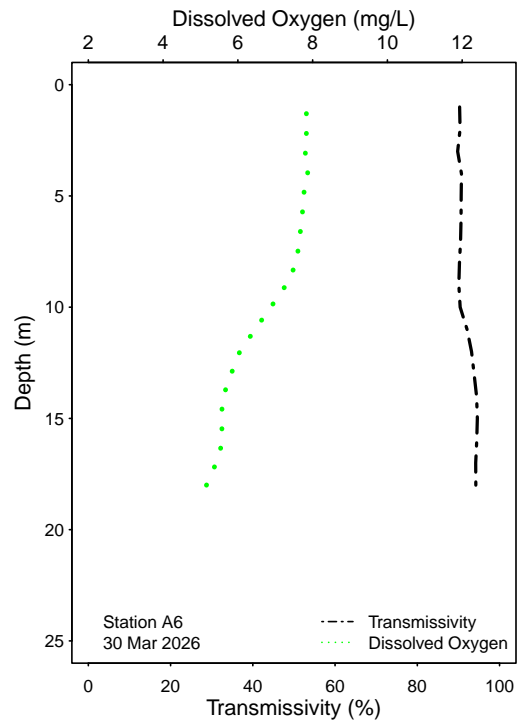
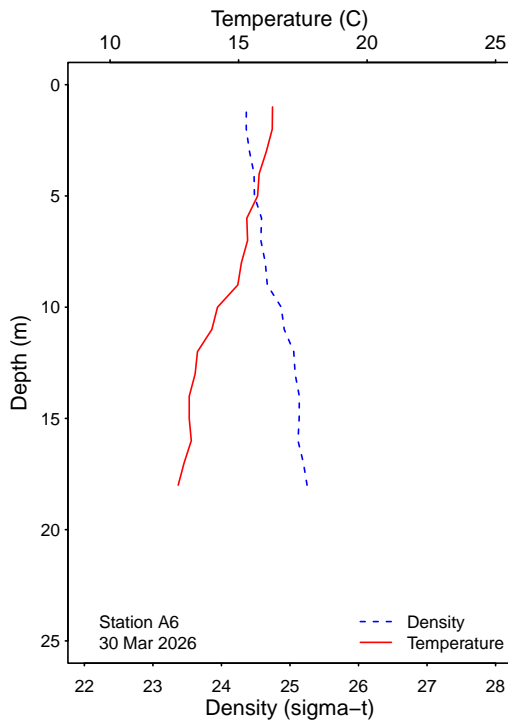
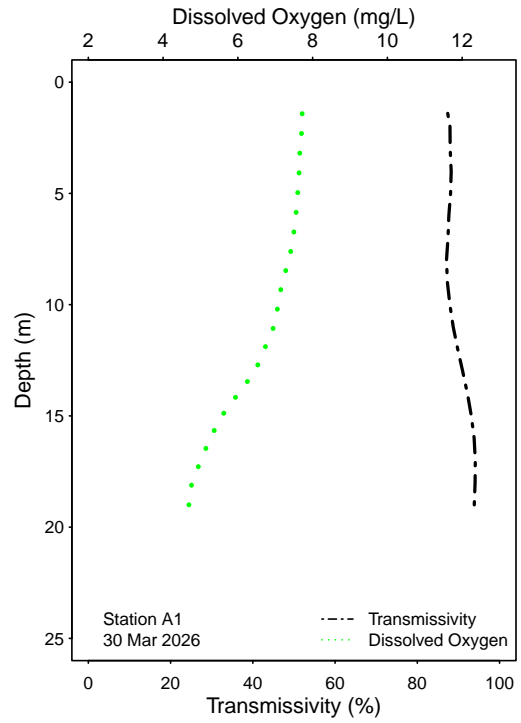
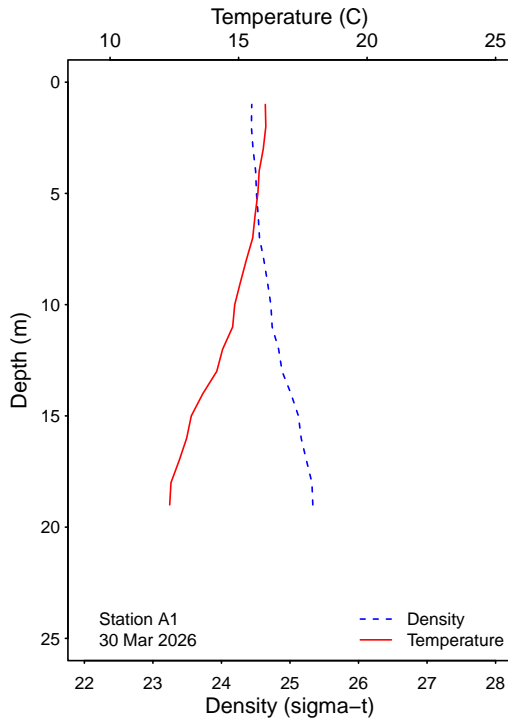


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

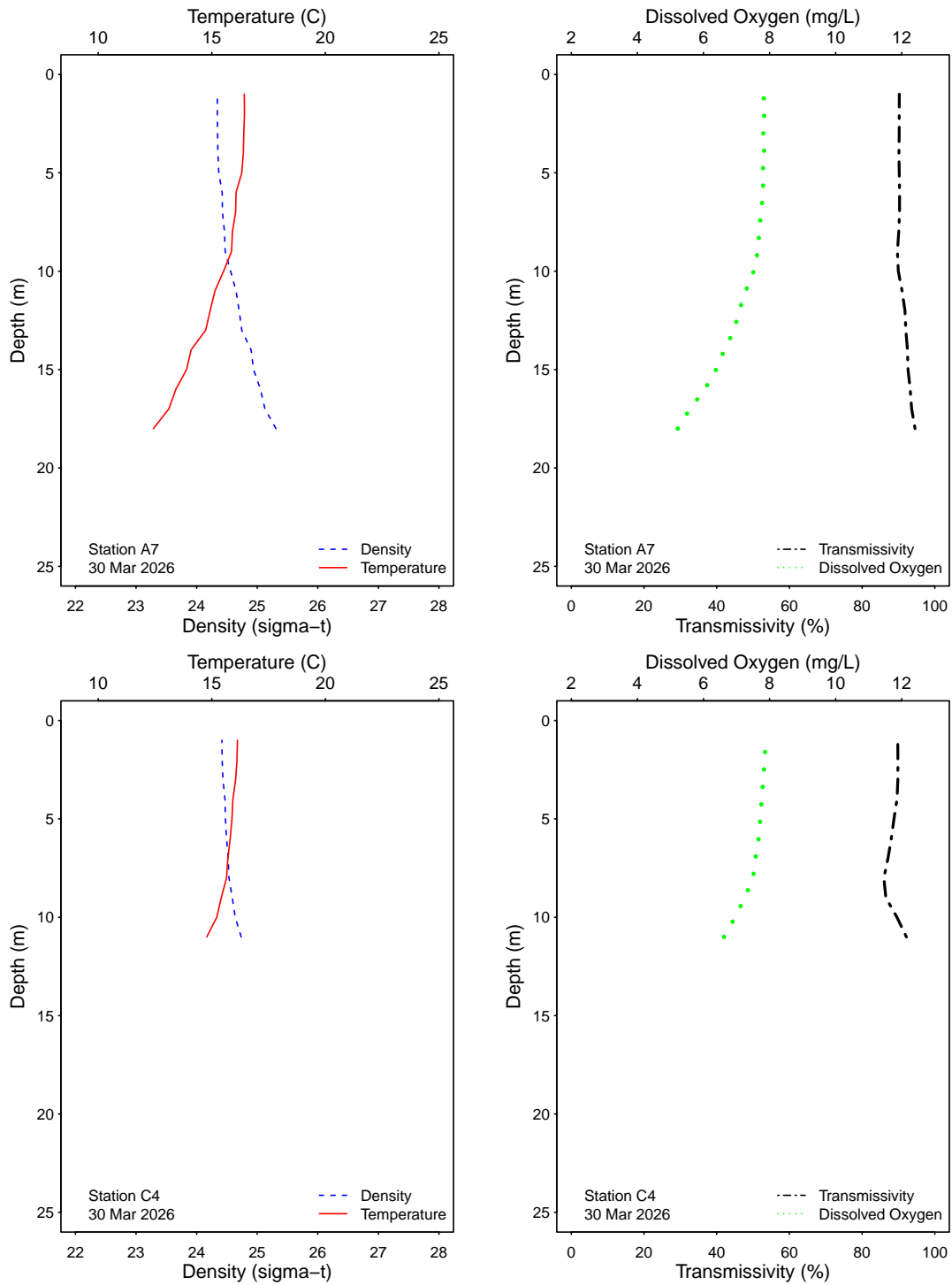


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

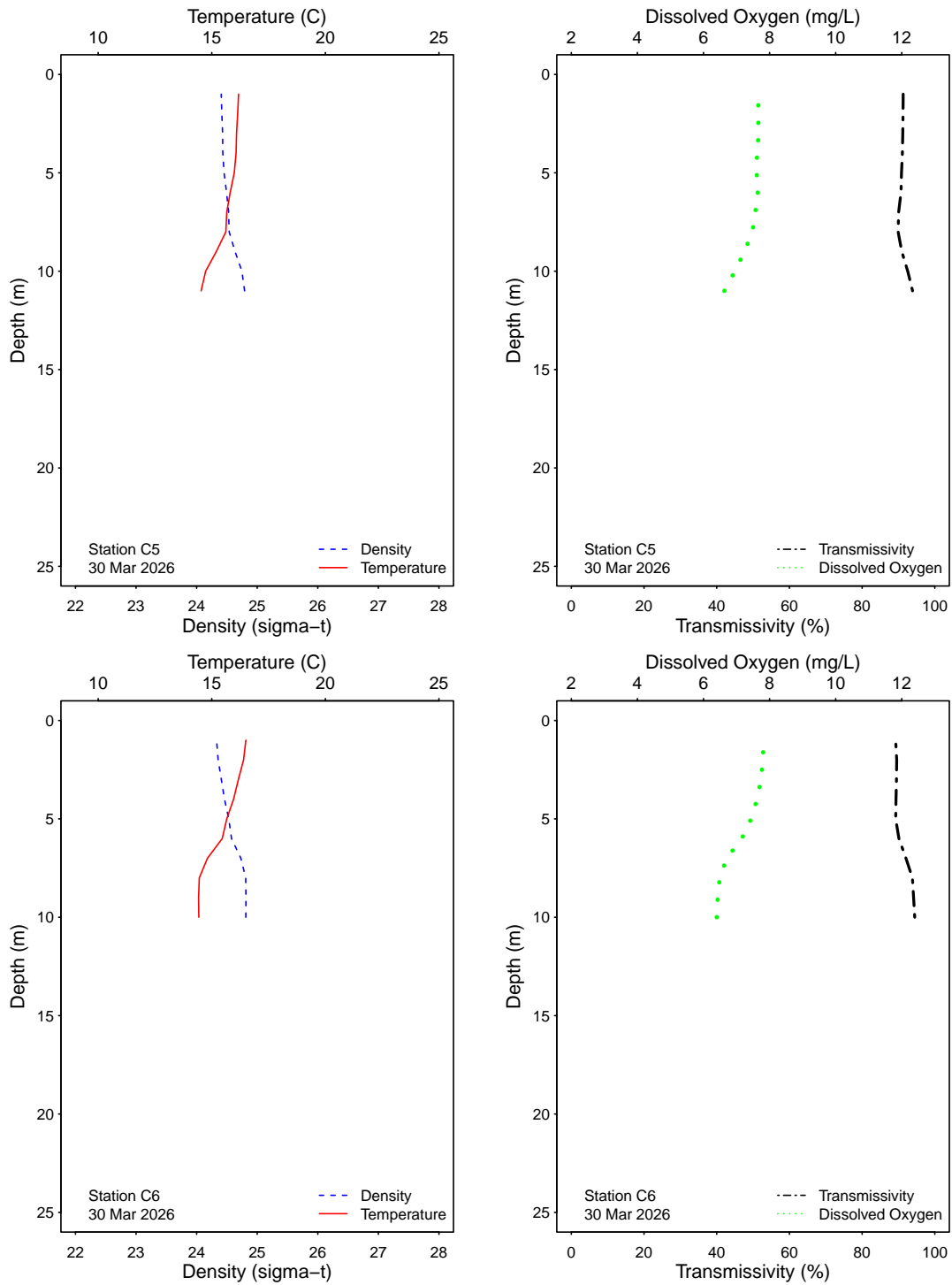


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

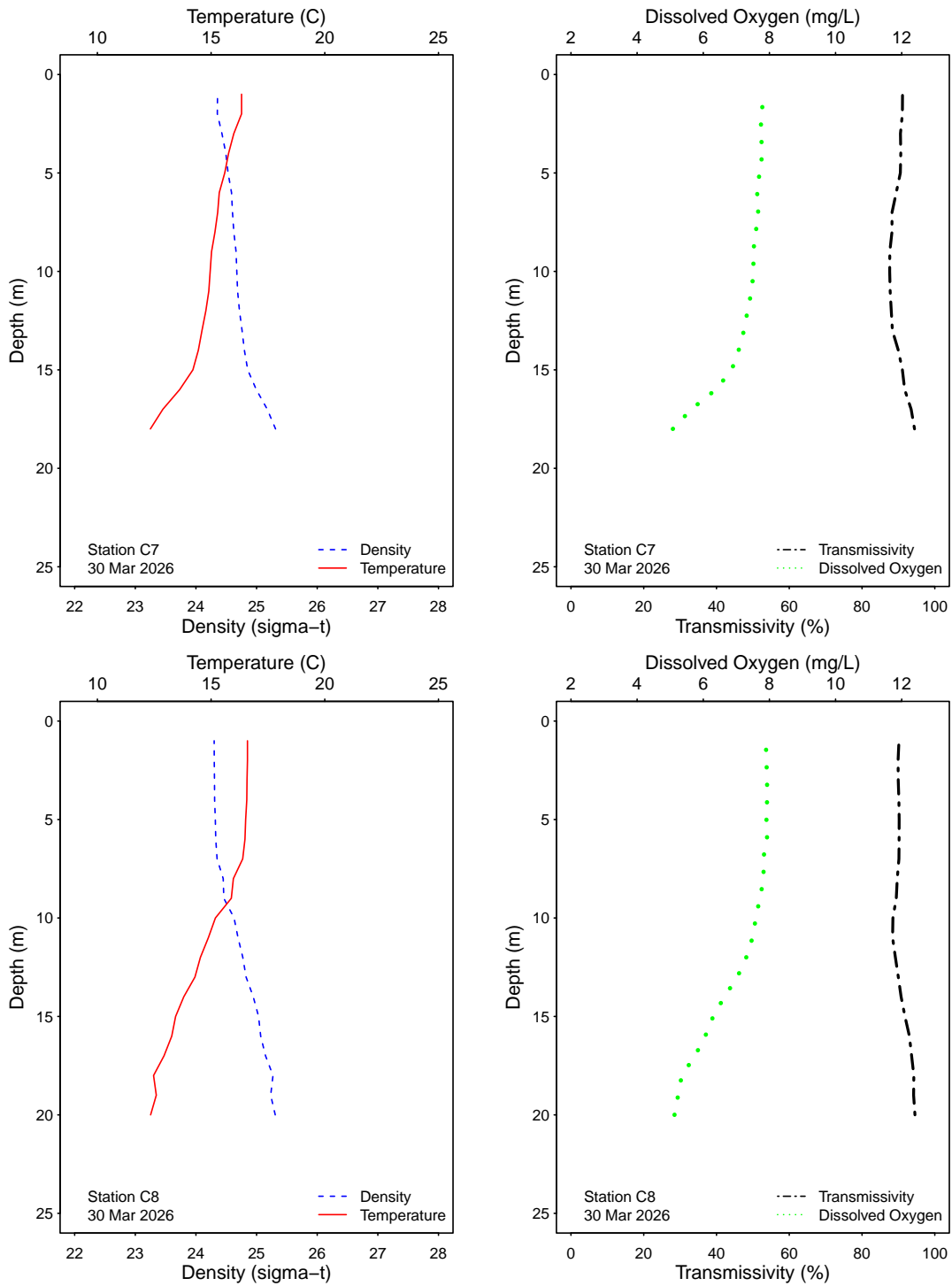


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

→

# 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	03 Mar 2026	18	ADG	LAB DUPLICATE	140	28	4
A7	10 Mar 2026	18	KT	LAB DUPLICATE	2	2	2
A7	17 Mar 2026	18	NCD	LAB DUPLICATE	2	2	2
A7	24 Mar 2026	18	KT	LAB DUPLICATE	12	2	2
A7	30 Mar 2026	18	NCD	LAB DUPLICATE	48	4	2
C7	03 Mar 2026	18	ADG	LAB DUPLICATE	4	2	2
C7	10 Mar 2026	18	KT	LAB DUPLICATE	2	2	2
C7	17 Mar 2026	18	NCD	LAB DUPLICATE	2	2	2
C7	24 Mar 2026	18	KT	LAB DUPLICATE	6	2	2
C7	30 Mar 2026	18	NCD	LAB DUPLICATE	6	2	2
C8	03 Mar 2026	12	ADG	LAB DUPLICATE	2	2	2
C8	10 Mar 2026	12	KT	LAB DUPLICATE	2	2	2
C8	17 Mar 2026	12	NCD	LAB DUPLICATE	2	2	2
C8	24 Mar 2026	12	KT	LAB DUPLICATE	2	2	2
C8	30 Mar 2026	12	NCD	LAB DUPLICATE	2	2	2
D12	04 Mar 2026		ADG	LAB DUPLICATE	2	2	2
D12	04 Mar 2026		ADG	FIELD DUPLICATE	4	2	2
D12	11 Mar 2026		JF	FIELD DUPLICATE	2	2	2
D12	11 Mar 2026		JF	LAB DUPLICATE	2	2	2
D12	18 Mar 2026		JF	LAB DUPLICATE	2	2	12
D12	18 Mar 2026		JF	FIELD DUPLICATE	2	2	10
D12	25 Mar 2026		JF	FIELD DUPLICATE	2	2	2
D12	25 Mar 2026		JF	LAB DUPLICATE	2	2	2

ns = not sampled

ND = no data

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# APPENDIX B

New 2019 Ocean Plan  
Water Quality Objectives



# Shore Stations



**Table B.1**

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

Date	D4	D5	D7	D8	D9	D10	D11	D12
01 Mar 2026	2	2	3	11	4	16	14	3
02 Mar 2026	2	2	3	11	4	16	14	3
03 Mar 2026	2	2	3	11	4	16	14	3
04 Mar 2026	2	2	3	8	4	12	8	3
05 Mar 2026	2	2	3	8	4	12	8	3
06 Mar 2026	2	2	3	8	4	12	8	3
07 Mar 2026	2	2	3	8	4	12	8	3
08 Mar 2026	2	2	3	8	4	12	8	3
09 Mar 2026	2	2	3	8	4	12	8	3
10 Mar 2026	2	2	3	8	4	12	8	3
11 Mar 2026	2	2	3	8	4	12	8	3
12 Mar 2026	2	2	3	8	4	12	8	3
13 Mar 2026	2	2	3	8	4	12	8	3
14 Mar 2026	2	2	3	8	4	12	8	3
15 Mar 2026	2	2	3	8	4	12	8	3
16 Mar 2026	2	2	3	8	4	12	8	3
17 Mar 2026	2	2	3	8	4	12	8	3
18 Mar 2026	2	2	5	13	4	9	11	4
19 Mar 2026	2	2	5	13	4	9	11	4
20 Mar 2026	2	2	5	13	4	9	11	4
21 Mar 2026	2	2	5	13	4	9	11	4
22 Mar 2026	2	2	5	13	4	9	11	4
23 Mar 2026	2	2	5	13	4	9	11	4
24 Mar 2026	2	2	5	13	4	9	11	4
25 Mar 2026	2	2	3	7	4	6	13	3
26 Mar 2026	2	2	3	9	4	6	13	3
27 Mar 2026	2	2	3	9	4	6	13	3
28 Mar 2026	2	2	3	9	4	6	13	3
29 Mar 2026	2	2	3	9	4	6	13	3
30 Mar 2026	2	2	3	9	4	6	13	3
31 Mar 2026	2	2	3	9	4	6	13	3

\* Geometric mean calculated using n<5

## Table B.2

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

Date	D4	D5	D7	D8	D9	D10	D11	D12
March	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 Mar 2026	*3	*20	*51	<b>*210</b>	*20	*20	*50	*2
02 Mar 2026	*3	*20	*51	<b>*210</b>	*20	*20	*50	*2
03 Mar 2026	*3	*20	*51	<b>*210</b>	*20	*20	*50	*2
04 Mar 2026	4	20	2	20	20	20	40	2
05 Mar 2026	4	20	2	20	20	20	40	2
06 Mar 2026	*3	*12	*51	<b>*210</b>	*20	*20	*50	*4
07 Mar 2026	*3	*12	*51	<b>*210</b>	*20	*20	*50	*4
08 Mar 2026	*3	*12	*51	<b>*210</b>	*20	*20	*50	*4
09 Mar 2026	*3	*12	*51	<b>*210</b>	*20	*20	*50	*4
10 Mar 2026	*3	*12	*51	<b>*210</b>	*20	*20	*50	*4
11 Mar 2026	2	4	2	20	20	20	60	2
12 Mar 2026	2	4	2	20	20	20	60	2
13 Mar 2026	*2	*3	*2	*20	*14	*20	*70	*4
14 Mar 2026	*2	*3	*2	*20	*14	*20	*70	*4
15 Mar 2026	*2	*3	*2	*20	*14	*20	*70	*4
16 Mar 2026	*2	*3	*2	*20	*14	*20	*70	*4
17 Mar 2026	*2	*3	*2	*20	*14	*20	*70	*4
18 Mar 2026	2	2	2	20	20	20	60	2
19 Mar 2026	2	2	2	20	20	20	60	2
20 Mar 2026	2	2	2	20	20	20	60	2
21 Mar 2026	*2	*2	*2	*20	*14	*20	*41	*2
22 Mar 2026	*2	*2	*2	*20	*14	*20	*41	*2
23 Mar 2026	*2	*2	*2	*20	*14	*20	*41	*2
24 Mar 2026	*2	*2	*2	*20	*14	*20	*41	*2
25 Mar 2026	2	2	2	20	14	20	60	2
26 Mar 2026	2	2	2	20	14	20	60	2
27 Mar 2026	*4	*2	*2	*20	*17	*20	*51	*2
28 Mar 2026	*4	*2	*2	*20	*17	*20	*51	*2
29 Mar 2026	*4	*2	*2	*20	*17	*20	*51	*2
30 Mar 2026	*4	*2	*2	*20	*17	*20	*51	*2
31 Mar 2026	*4	*2	*2	*20	*17	*20	*51	*2

\* 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
March	IC	IC	IC	IC	IC	IC	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 Mar 2026	2	2	2	2	2	3	2	2
02 Mar 2026	2	2	2	2	2	3	2	2
03 Mar 2026	2	2	2	2	2	3	2	2
04 Mar 2026	2	2	2	2	2	3	2	2
05 Mar 2026	2	2	2	2	2	3	2	2
06 Mar 2026	2	2	2	2	2	3	2	2
07 Mar 2026	2	2	2	2	2	3	2	2
08 Mar 2026	2	2	2	2	2	3	2	2
09 Mar 2026	2	2	2	2	2	3	2	2
10 Mar 2026	2	2	2	2	2	3	2	2
11 Mar 2026	2	2	2	2	2	3	2	2
12 Mar 2026	2	2	2	2	2	3	2	2
13 Mar 2026	2	2	2	2	2	3	2	2
14 Mar 2026	2	2	2	2	2	3	2	2
15 Mar 2026	2	2	2	2	2	3	2	2
16 Mar 2026	2	2	2	2	3	3	2	2
17 Mar 2026	2	4	2	2	2	3	2	2
18 Mar 2026	2	4	2	2	2	3	2	2
19 Mar 2026	2	4	2	2	2	3	2	2
20 Mar 2026	2	4	2	2	2	3	2	2
21 Mar 2026	2	4	2	2	2	3	2	2
22 Mar 2026	2	4	2	2	2	3	2	2
23 Mar 2026	2	4	2	2	3	3	2	2
24 Mar 2026	2	4	2	2	2	3	2	2
25 Mar 2026	2	4	2	2	2	3	2	2
26 Mar 2026	2	4	2	2	2	3	2	2
27 Mar 2026	2	4	2	2	2	3	2	2
28 Mar 2026	2	4	2	2	2	3	2	2
29 Mar 2026	2	4	2	2	2	3	2	2
30 Mar 2026	2	3	2	2	2	3	2	2
31 Mar 2026	2	3	2	2	2	3	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
March	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<sup>11</sup> 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 Mar 2026	*2	*10	*27	*2	*14	*30	*2	*11	*16	*8	*11	*2	*2	*2	*2	*2	*4	*3	*2	*2	*3	*2	*2	*2	*11
02 Mar 2026	*2	*10	*27	*2	*14	*30	*2	*11	*16	*8	*11	*2	*2	*2	*2	*2	*4	*3	*2	*2	*3	*2	*2	*2	*11
03 Mar 2026	2	8	48	2	2	12	2	20	20	4	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2
04 Mar 2026	*5	*10	*62	*2	*14	*30	*2	*21	*31	*8	*2	*2	*2	*2	*2	*2	*4	*3	*2	*2	*5	*2	*2	*2	*2
05 Mar 2026	*5	*10	*62	*2	*14	*30	*2	*21	*31	*8	*2	*2	*2	*2	*2	*2	*4	*3	*2	*2	*5	*2	*2	*2	*2
06 Mar 2026	*5	*10	*62	*2	*14	*30	*2	*21	*31	*8	*2	*2	*2	*2	*2	*2	*4	*3	*2	*2	*5	*2	*2	*2	*2
07 Mar 2026	*5	*10	*62	*2	*14	*30	*2	*21	*31	*8	*2	*2	*2	*2	*2	*2	*4	*3	*2	*2	*5	*2	*2	*2	*2
08 Mar 2026	*5	*10	*62	*2	*14	*30	*2	*21	*31	*8	*2	*2	*2	*2	*2	*2	*4	*3	*2	*2	*5	*2	*2	*2	*2
09 Mar 2026	*5	*10	*62	*2	*14	*30	*2	*21	*31	*8	*2	*2	*2	*2	*2	*2	*4	*3	*2	*2	*5	*2	*2	*2	*2
10 Mar 2026	2	8	48	2	2	12	2	20	20	4	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2
11 Mar 2026	*5	*5	*27	*2	*2	*7	*2	*12	*27	*3	*2	*2	*3	*2	*2	*2	*2	*2	*2	*2	*4	*2	*2	*2	*2
12 Mar 2026	*5	*5	*27	*2	*2	*7	*2	*12	*27	*3	*2	*2	*3	*2	*2	*2	*2	*2	*2	*2	*4	*2	*2	*2	*2
13 Mar 2026	*5	*5	*27	*2	*2	*7	*2	*12	*27	*3	*2	*2	*3	*2	*2	*2	*2	*2	*2	*2	*4	*2	*2	*2	*2
14 Mar 2026	*5	*5	*27	*2	*2	*7	*2	*12	*27	*3	*2	*2	*3	*2	*2	*2	*2	*2	*2	*2	*4	*2	*2	*2	*2
15 Mar 2026	*5	*5	*27	*2	*2	*7	*2	*12	*27	*3	*2	*2	*3	*2	*2	*2	*2	*2	*2	*2	*4	*2	*2	*2	*2
16 Mar 2026	*5	*5	*27	*2	*2	*7	*2	*12	*27	*3	*2	*2	*3	*2	*2	*2	*2	*2	*2	*2	*4	*2	*2	*2	*2
17 Mar 2026	2	2	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18 Mar 2026	2	2	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19 Mar 2026	2	2	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20 Mar 2026	2	2	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21 Mar 2026	*2	*2	*25	*2	*2	*2	*2	*2	*22	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*4	*2	*2	*2	*2
22 Mar 2026	*2	*2	*25	*2	*2	*2	*2	*2	*22	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*4	*2	*2	*2	*2
23 Mar 2026	*2	*2	*25	*2	*2	*2	*2	*2	*22	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*4	*2	*2	*2	*2
24 Mar 2026	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
25 Mar 2026	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
26 Mar 2026	*2	*2	*3	*2	*2	*2	*2	*2	*8	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2
27 Mar 2026	*2	*2	*3	*2	*2	*2	*2	*2	*8	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2
28 Mar 2026	*2	*2	*3	*2	*2	*2	*2	*2	*8	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2
29 Mar 2026	*2	*2	*3	*2	*2	*2	*2	*2	*8	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2
30 Mar 2026	2	2	4	2	2	2	2	2	8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
31 Mar 2026	2	2	4	2	2	2	2	2	8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

\* Median calculated using n<5

**Table B.8**

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

Date	A1			A6			A7			C4			C5			C6			C7			C8		
	1m	12m	18m	1m	12m	18m	1m	12m	18m	1m	3m	9m	1m	3m	9m	1m	3m	9m	1m	12m	18m	1m	12m	18m
March	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC

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