SD Public Utilities

POINT LOMA OCEAN OUTFALL MONTHLY RECEIVING WATERS MONITORING REPORT

POINT LOMA WASTEWATER TREATMENT PLANT

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

APRIL 2026

Environmental Monitoring and Technical Services
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CERTIFIED
Public Utilities Department
Continual Improvement, Prevention of Pollution, Regulatory Compliance
ISO 14001

The City *of*
SAN DIEGO
Public Utilities Department
Environmental Monitoring & Technical Services Division

May 31, 2026

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

Attention: POTW Compliance Unit

Dear Mr. Gibson:

Enclosed is the April 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, the after consultation with and approval by the Regional Board, the sampling location has varied between D8, D8-A and D8-B. Access to site D8 was recently restored and sampling at D8 resumed in March 2025.

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

Kelp Bed Stations

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

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

Seawater samples at the kelp bed stations are collected using a CTD-integrated rosette sampler with Niskin bottles. Aliquots for bacteriological analyses are drawn from these bottles into sterile

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

Offshore Stations

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

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

Bacteriological Reporting and Quality Assurance

Estimated values for bacteriological analyses are denoted by greater than (>), less than (<), or estimated (e) qualifiers and result from plates with colony counts above or below the permissible counting limits established in Bordner et al. (1978)[1]. This document defines membrane filtration limits of 20–80 colonies per plate for total coliforms and 20–60 colonies per plate for fecal coliforms and *Enterococcus*. No Data (ND) is reported if plate counts from all dilutions have a total colony count of >200 per plate.

Results of the bacteriological analysis of seawater samples collected from each of the shore, kelp bed, and offshore stations located within State waters are assessed relative to the geometric mean and single sample maximum water-contact standards specified in the California Ocean Plan. The seven standards are defined as follows:

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

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

1 Bordner, R., J. Winter, and P. Scarpino (eds.). (1978). Microbiological Methods for Monitoring the Environment: Water and Wastes, EPA Research and Development, EPA-600/8-78-017. 337 p.

Single Sample Maximums:

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

Quality controls of bacteriological data include laboratory and field duplicate analyses. Laboratory duplicates are performed on approximately 10% of the water quality samples, while field duplicates are performed six times a month (see Appendix A). Laboratory duplicates represent two aliquots of the original sample that are split in the laboratory and analyzed by the same analyst using identical procedures within the same analytical run. The results of these analyses provide a measure of intra-analyst precision. In contrast, field duplicates represent two separate samples collected at the same time from the same site, which are handled under identical circumstances and treated the same throughout field and lab procedures. The results of these analyses provide a measure of precision associated with sample collection, preservation, storage, and lab procedures. The sign test (see Gilbert, 1987[2]) 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 April 2, 8, 15, 22, 29, and 30.
- Station D12 was resampled on April 30th for total coliforms following contamination of the sample taken on April 29th, 2026.
- During the April reporting period, one of the eight shore stations was out of compliance with the various 2015 California Ocean Plan (Ocean Plan) water contact standards on one or more days as follows:
    - The single sample maximum (SSM) standard for *Enterococcus* was exceeded at station D10.
- A sewage-like odor was detected at station D8 on one or more days in April.
- 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).

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

Kelp Bed Stations

- The eight kelp bed water quality stations (A1, A6, A7, C4, C5, C6, C7, C8) were sampled on April 6, 14, 21, and 28.
- Total coliform data are not available for station C6 for the April 28th sample date due to contamination of the sample during analysis.
- During the April reporting period, each of the eight kelp stations was in compliance with the various 2015 California Ocean Plan (Ocean Plan) water contact standards.
- Water column temperatures ranged from 11.57 to 18.17°C. The difference between surface and bottom waters ranged from 1.76 to 5.24°C.
- Chlorophyll *a* concentrations ranged from 0.30 to 22.33 µg/L.
- Nothing of sewage origin was observed at PLOO kelp stations in April.

Offshore Stations

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

TABLES AND FIGURES

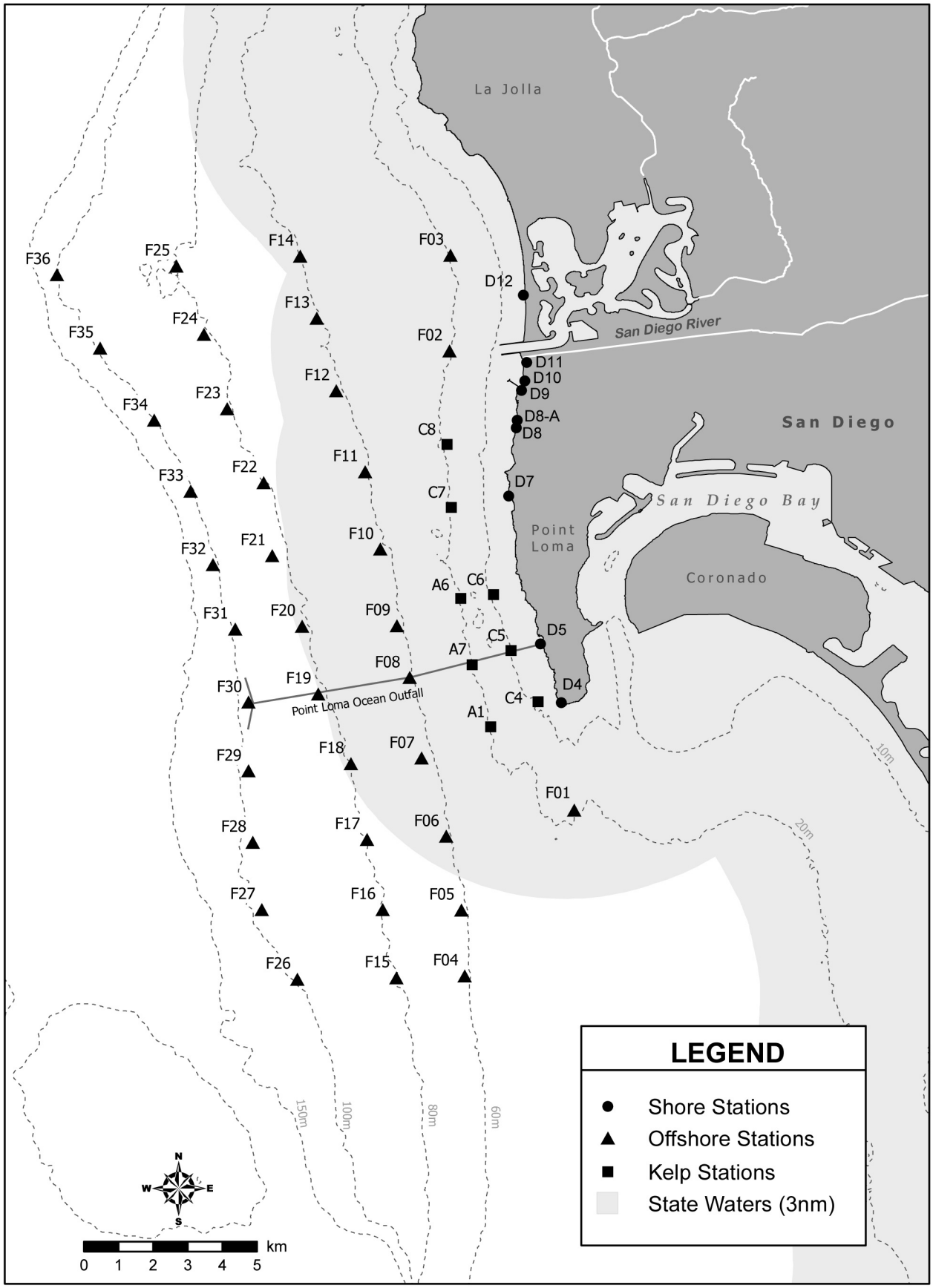

Figure 1.1 Station Map

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

* Geometric mean calculated using n<5

Table 2.4

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

Date	D4	D5	D7	D8	D9	D10	D11	D12
02 Apr 2026	IC	IC	IC	IC	IC	IC	IC	IC
08 Apr 2026	IC	IC	IC	IC	IC	IC	IC	IC
15 Apr 2026	IC	IC	IC	IC	IC	IC	IC	IC
22 Apr 2026	IC	IC	IC	IC	IC	**E**	IC	IC
29 Apr 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 Apr 2026	*5	*2	*4	*24	*15	*16	*57	*3
02 Apr 2026	6	2	5	23	17	19	53	3
03 Apr 2026	*5	*2	*6	*24	*16	*19	*66	*2
04 Apr 2026	*5	*2	*6	*24	*16	*19	*66	*2
05 Apr 2026	*5	*2	*6	*24	*16	*19	*66	*2
06 Apr 2026	*5	*2	*6	*24	*16	*19	*66	*2
07 Apr 2026	*5	*2	*6	*24	*16	*19	*66	*2
08 Apr 2026	4	3	5	29	15	17	72	2
09 Apr 2026	4	3	5	29	15	17	72	2
10 Apr 2026	*5	*4	*6	*32	*18	*21	*70	*2
11 Apr 2026	*5	*4	*6	*32	*18	*21	*70	*2
12 Apr 2026	*5	*4	*6	*32	*18	*21	*70	*2
13 Apr 2026	*5	*4	*6	*32	*18	*21	*70	*2
14 Apr 2026	*5	*4	*6	*32	*18	*21	*70	*2
15 Apr 2026	6	5	8	29	30	45	114	4
16 Apr 2026	6	5	8	29	30	45	114	4
17 Apr 2026	*8	*7	*6	*26	*33	*56	*176	*4
18 Apr 2026	*8	*7	*6	*26	*33	*56	*176	*4
19 Apr 2026	*8	*7	*6	*26	*33	*56	*176	*4
20 Apr 2026	*8	*7	*6	*26	*33	*56	*176	*4
21 Apr 2026	*8	*7	*6	*26	*33	*56	*176	*4
22 Apr 2026	6	8	5	29	26	52	181	6
23 Apr 2026	6	8	5	29	26	52	181	6
24 Apr 2026	*6	*12	*6	*31	*30	*66	*159	*8
25 Apr 2026	*6	*12	*6	*31	*30	*66	*159	*8
26 Apr 2026	*6	*12	*6	*31	*30	*66	*159	*8
27 Apr 2026	*6	*12	*6	*31	*30	*66	*159	*8
28 Apr 2026	*6	*12	*6	*31	*30	*66	*159	*8
29 Apr 2026	8	8	6	29	26	52	121	*8
30 Apr 2026	8	8	6	29	26	52	121	6

* 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
02 Apr 2026	IC	IC	IC	IC	IC	IC	IC	IC
08 Apr 2026	IC	IC	IC	IC	IC	IC	IC	IC
15 Apr 2026	IC	IC	IC	IC	IC	IC	IC	IC
22 Apr 2026	IC	IC	IC	IC	IC	IC	IC	IC
29 Apr 2026	IC	IC	IC	IC	IC	IC	IC	ns
30 Apr 2026	ns	ns	ns	ns	ns	ns	ns	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
02 Apr 2026	IC	IC	IC	IC	IC	IC	IC	IC
08 Apr 2026	IC	IC	IC	IC	IC	IC	IC	IC
15 Apr 2026	IC	IC	IC	IC	IC	IC	IC	IC
22 Apr 2026	IC	IC	IC	IC	IC	IC	IC	IC
29 Apr 2026	IC	IC	IC	IC	IC	IC	IC	ns
30 Apr 2026	ns	ns	ns	ns	ns	ns	ns	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	02 Apr 2026	943	40e	12e	18e
D10	08 Apr 2026	807	12e	4e	<2
D10	15 Apr 2026	835	1000e	36e	8e
D10	22 Apr 2026	838	40e	40e	140e
D10	29 Apr 2026	849	<20	4e	12e
D11	02 Apr 2026	931	40e	4e	20e
D11	08 Apr 2026	749	100e	46	38e
D11	15 Apr 2026	822	800e	46	8e
D11	22 Apr 2026	827	200e	18e	72
D11	29 Apr 2026	836	40e	12e	6e
D12	02 Apr 2026	906	4e	<2	<2
D12	08 Apr 2026	724	2e	<2	<2
D12	15 Apr 2026	756	<20	2e	<2
D12	22 Apr 2026	805	<20	2e	<2
D12	29 Apr 2026	816	CTNA	4e	2e
D12	30 Apr 2026	1118	<2		
D4	02 Apr 2026	1111	<20	2e	<2
D4	08 Apr 2026	1017	<2	<2	<2
D4	15 Apr 2026	1023	20e	8e	<2
D4	22 Apr 2026	1016	<2	<2	4e
D4	29 Apr 2026	1154	<20	<2	<2
D5	02 Apr 2026	1053	2e	<2	<2
D5	08 Apr 2026	952	<20	<2	<2
D5	15 Apr 2026	1012	26e	2e	<2
D5	22 Apr 2026	1003	<20	<2	<2
D5	29 Apr 2026	1144	<2	<2	<2
D7	02 Apr 2026	1028	<20	4e	<2
D7	08 Apr 2026	910	<2	<2	<2
D7	15 Apr 2026	924	20e	<2	6e
D7	22 Apr 2026	937	2e	<2	<2
D7	29 Apr 2026	944	4e	<2	<2
D8	02 Apr 2026	1017	20e	4e	8e
D8	08 Apr 2026	845	60e	<20	<2
D8	15 Apr 2026	910	20e	<20	<2
D8	22 Apr 2026	924	40e	4e	2e
D8	29 Apr 2026	916	<20	8e	6e
D9	02 Apr 2026	1006	28e	22e	<2
D9	08 Apr 2026	822	12e	4e	<2
D9	15 Apr 2026	856	240e	<2	<2
D9	22 Apr 2026	913	10e	4e	<2
D9	29 Apr 2026	1104	14e	<2	<2

ns = not sampled
ND = no data

Comments

date	station	depth	parmcode	comments
29-Apr-2026 30-Apr-2026	D12		TOTAL	Contamination on bottom of filter, likely from vacuum manifold. D12 was resampled due to prior day's contamination on mEndo

Table 2.9

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

Station	Date	Parameter	Value
D4	02 Apr 2026	Arrive Time	1111
D4	02 Apr 2026	Wind Speed (kts)	6.8
D4	02 Apr 2026	Wind Dir	SW
D4	02 Apr 2026	Animal Life	
D4	02 Apr 2026	Floatables	
D4	02 Apr 2026	Current Direction	S
D4	02 Apr 2026	Water Temp (C)	17
D4	02 Apr 2026	High Tide Time	1001
D4	02 Apr 2026	Low Tide Time	407
D4	02 Apr 2026	Comments	Water clear; Trash-4; Kelp;Seagrass;Algae;Debris
D4	08 Apr 2026	Arrive Time	1017
D4	08 Apr 2026	Wind Speed (kts)	1.3
D4	08 Apr 2026	Wind Dir	W
D4	08 Apr 2026	Animal Life	
D4	08 Apr 2026	Floatables	
D4	08 Apr 2026	Current Direction	S
D4	08 Apr 2026	Water Temp (C)	16.3
D4	08 Apr 2026	High Tide Time	7
D4	08 Apr 2026	Low Tide Time	905
D4	08 Apr 2026	Comments	Water clear; Trash-2; Kelp;Seagrass;Algae
D4	15 Apr 2026	Arrive Time	1023
D4	15 Apr 2026	Wind Speed (kts)	3.1
D4	15 Apr 2026	Wind Dir	NW
D4	15 Apr 2026	Animal Life	
D4	15 Apr 2026	Floatables	
D4	15 Apr 2026	Current Direction	S
D4	15 Apr 2026	Water Temp (C)	14.7
D4	15 Apr 2026	High Tide Time	820
D4	15 Apr 2026	Low Tide Time	227
D4	15 Apr 2026	Comments	Water clear; Trash-2
D4	22 Apr 2026	Arrive Time	1016
D4	22 Apr 2026	Wind Speed (kts)	3.4
D4	22 Apr 2026	Wind Dir	W
D4	22 Apr 2026	Animal Life	
D4	22 Apr 2026	Floatables	
D4	22 Apr 2026	Current Direction	S
D4	22 Apr 2026	Water Temp (C)	17.2
D4	22 Apr 2026	High Tide Time	38
D4	22 Apr 2026	Low Tide Time	840
D4	22 Apr 2026	Comments	Water clear; Trash-2; Kelp;Seagrass;Algae; Person/Walker/Jogger-2
D4	29 Apr 2026	Arrive Time	1154
D4	29 Apr 2026	Wind Speed (kts)	1.7
D4	29 Apr 2026	Wind Dir	NW
D4	29 Apr 2026	Animal Life	
D4	29 Apr 2026	Floatables	
D4	29 Apr 2026	Current Direction	S
D4	29 Apr 2026	Water Temp (C)	13.4
D4	29 Apr 2026	High Tide Time	837
D4	29 Apr 2026	Low Tide Time	247
D4	29 Apr 2026	Comments	Water clear; Trash-1; Seagrass

Station	Date	Parameter	Value
D5	02 Apr 2026	Arrive Time	1053
D5	02 Apr 2026	Wind Speed (kts)	8.1
D5	02 Apr 2026	Wind Dir	SW
D5	02 Apr 2026	Animal Life	
D5	02 Apr 2026	Floatables	
D5	02 Apr 2026	Current Direction	S
D5	02 Apr 2026	Water Temp (C)	17.6
D5	02 Apr 2026	High Tide Time	1001
D5	02 Apr 2026	Low Tide Time	407
D5	02 Apr 2026	Comments	Water clear; Trash-1; Algae
D5	08 Apr 2026	Arrive Time	952
D5	08 Apr 2026	Wind Speed (kts)	0
D5	08 Apr 2026	Wind Dir	XX
D5	08 Apr 2026	Animal Life	
D5	08 Apr 2026	Floatables	
D5	08 Apr 2026	Current Direction	S
D5	08 Apr 2026	Water Temp (C)	17
D5	08 Apr 2026	High Tide Time	7
D5	08 Apr 2026	Low Tide Time	905
D5	08 Apr 2026	Comments	Water clear; Trash-4; Algae
D5	15 Apr 2026	Arrive Time	1012
D5	15 Apr 2026	Wind Speed (kts)	0.6
D5	15 Apr 2026	Wind Dir	NW
D5	15 Apr 2026	Animal Life	
D5	15 Apr 2026	Floatables	
D5	15 Apr 2026	Current Direction	S
D5	15 Apr 2026	Water Temp (C)	17
D5	15 Apr 2026	High Tide Time	820
D5	15 Apr 2026	Low Tide Time	227
D5	15 Apr 2026	Comments	Water clear; Trash-2; Kelp
D5	22 Apr 2026	Arrive Time	1003
D5	22 Apr 2026	Wind Speed (kts)	2.1
D5	22 Apr 2026	Wind Dir	W
D5	22 Apr 2026	Animal Life	
D5	22 Apr 2026	Floatables	
D5	22 Apr 2026	Current Direction	S
D5	22 Apr 2026	Water Temp (C)	17.2
D5	22 Apr 2026	High Tide Time	38
D5	22 Apr 2026	Low Tide Time	840
D5	22 Apr 2026	Comments	Water clear; Trash-2; Seagrass;Algae
D5	29 Apr 2026	Arrive Time	1144
D5	29 Apr 2026	Wind Speed (kts)	1.2
D5	29 Apr 2026	Wind Dir	NW
D5	29 Apr 2026	Animal Life	
D5	29 Apr 2026	Floatables	
D5	29 Apr 2026	Current Direction	S
D5	29 Apr 2026	Water Temp (C)	16.4
D5	29 Apr 2026	High Tide Time	837
D5	29 Apr 2026	Low Tide Time	247
D5	29 Apr 2026	Comments	Water clear; Trash-1
D7	02 Apr 2026	Arrive Time	1028
D7	02 Apr 2026	Wind Speed (kts)	3.3
D7	02 Apr 2026	Wind Dir	S
D7	02 Apr 2026	Animal Life	
D7	02 Apr 2026	Floatables	
D7	02 Apr 2026	Current Direction	S

Station	Date	Parameter	Value
D7	02 Apr 2026	Water Temp (C)	17.7
D7	02 Apr 2026	High Tide Time	1001
D7	02 Apr 2026	Low Tide Time	407
D7	02 Apr 2026	Comments	Water clear; Boogie boarder/Swimmer-1; Trash-1; Kelp;Seagrass;Algae; Person/Walker/Jogger-5
D7	08 Apr 2026	Arrive Time	910
D7	08 Apr 2026	Wind Speed (kts)	0
D7	08 Apr 2026	Wind Dir	XX
D7	08 Apr 2026	Animal Life	
D7	08 Apr 2026	Floatables	
D7	08 Apr 2026	Current Direction	S
D7	08 Apr 2026	Water Temp (C)	15
D7	08 Apr 2026	High Tide Time	7
D7	08 Apr 2026	Low Tide Time	905
D7	08 Apr 2026	Comments	Water clear; Surfer/Paddle boarder-10; Trash-1; Kelp;Algae
D7	15 Apr 2026	Arrive Time	924
D7	15 Apr 2026	Wind Speed (kts)	3.1
D7	15 Apr 2026	Wind Dir	SE
D7	15 Apr 2026	Animal Life	
D7	15 Apr 2026	Floatables	
D7	15 Apr 2026	Current Direction	S
D7	15 Apr 2026	Water Temp (C)	16.3
D7	15 Apr 2026	High Tide Time	820
D7	15 Apr 2026	Low Tide Time	227
D7	15 Apr 2026	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae; Person/Walker/Jogger-3
D7	22 Apr 2026	Arrive Time	937
D7	22 Apr 2026	Wind Speed (kts)	3.3
D7	22 Apr 2026	Wind Dir	NW
D7	22 Apr 2026	Animal Life	
D7	22 Apr 2026	Floatables	
D7	22 Apr 2026	Current Direction	S
D7	22 Apr 2026	Water Temp (C)	16.6
D7	22 Apr 2026	High Tide Time	38
D7	22 Apr 2026	Low Tide Time	840
D7	22 Apr 2026	Comments	Water clear; Surfer/Paddle boarder-25; Trash-2; Kelp;Seagrass;Algae; Person/Walker/Jogger-5
D7	29 Apr 2026	Arrive Time	944
D7	29 Apr 2026	Wind Speed (kts)	0
D7	29 Apr 2026	Wind Dir	XX
D7	29 Apr 2026	Animal Life	
D7	29 Apr 2026	Floatables	
D7	29 Apr 2026	Current Direction	S
D7	29 Apr 2026	Water Temp (C)	14
D7	29 Apr 2026	High Tide Time	837
D7	29 Apr 2026	Low Tide Time	247
D7	29 Apr 2026	Comments	Water clear; Trash-1; Kelp;Seagrass
D8	02 Apr 2026	Arrive Time	1017
D8	02 Apr 2026	Wind Speed (kts)	3.2
D8	02 Apr 2026	Wind Dir	SW
D8	02 Apr 2026	Animal Life	
D8	02 Apr 2026	Floatables	
D8	02 Apr 2026	Current Direction	S
D8	02 Apr 2026	Water Temp (C)	18
D8	02 Apr 2026	High Tide Time	1001
D8	02 Apr 2026	Low Tide Time	407

Station	Date	Parameter	Value
D8	02 Apr 2026	Comments	Water clear; Trash-2; Kelp;Seagrass;Algae
D8	08 Apr 2026	Arrive Time	845
D8	08 Apr 2026	Wind Speed (kts)	1.5
D8	08 Apr 2026	Wind Dir	SW
D8	08 Apr 2026	Animal Life	
D8	08 Apr 2026	Floatables	
D8	08 Apr 2026	Current Direction	S
D8	08 Apr 2026	Water Temp (C)	16.1
D8	08 Apr 2026	High Tide Time	7
D8	08 Apr 2026	Low Tide Time	905
D8	08 Apr 2026	Comments	Water clear; Trash-2; Kelp;Seagrass;Algae; Person/Walker/Jogger-1
D8	15 Apr 2026	Arrive Time	910
D8	15 Apr 2026	Wind Speed (kts)	0.3
D8	15 Apr 2026	Wind Dir	SW
D8	15 Apr 2026	Animal Life	
D8	15 Apr 2026	Floatables	
D8	15 Apr 2026	Current Direction	S
D8	15 Apr 2026	Water Temp (C)	13.7
D8	15 Apr 2026	High Tide Time	820
D8	15 Apr 2026	Low Tide Time	227
D8	15 Apr 2026	Comments	Water clear; Trash-3; Kelp;Seagrass;Algae;Debris; Sewage-like odor
D8	22 Apr 2026	Arrive Time	924
D8	22 Apr 2026	Wind Speed (kts)	2.3
D8	22 Apr 2026	Wind Dir	W
D8	22 Apr 2026	Animal Life	Dog-3;
D8	22 Apr 2026	Floatables	
D8	22 Apr 2026	Current Direction	S
D8	22 Apr 2026	Water Temp (C)	15.9
D8	22 Apr 2026	High Tide Time	38
D8	22 Apr 2026	Low Tide Time	840
D8	22 Apr 2026	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae; Person/Walker/Jogger-5
D8	29 Apr 2026	Arrive Time	916
D8	29 Apr 2026	Wind Speed (kts)	0.7
D8	29 Apr 2026	Wind Dir	NW
D8	29 Apr 2026	Animal Life	Dog-2;
D8	29 Apr 2026	Floatables	
D8	29 Apr 2026	Current Direction	S
D8	29 Apr 2026	Water Temp (C)	13.8
D8	29 Apr 2026	High Tide Time	837
D8	29 Apr 2026	Low Tide Time	247
D8	29 Apr 2026	Comments	Water clear; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-2
D9	02 Apr 2026	Arrive Time	1006
D9	02 Apr 2026	Wind Speed (kts)	3.3
D9	02 Apr 2026	Wind Dir	SW
D9	02 Apr 2026	Animal Life	
D9	02 Apr 2026	Floatables	
D9	02 Apr 2026	Current Direction	S
D9	02 Apr 2026	Water Temp (C)	19.8
D9	02 Apr 2026	High Tide Time	1001
D9	02 Apr 2026	Low Tide Time	407
D9	02 Apr 2026	Comments	Water clear; Trash-2; Algae

Station	Date	Parameter	Value
D9	08 Apr 2026	Arrive Time	822
D9	08 Apr 2026	Wind Speed (kts)	1.5
D9	08 Apr 2026	Wind Dir	W
D9	08 Apr 2026	Animal Life	
D9	08 Apr 2026	Floatables	
D9	08 Apr 2026	Current Direction	S
D9	08 Apr 2026	Water Temp (C)	16
D9	08 Apr 2026	High Tide Time	7
D9	08 Apr 2026	Low Tide Time	905
D9	08 Apr 2026	Comments	Water clear; Trash-3; Kelp;Seagrass;Algae; Person/Walker/Jogger-5
D9	15 Apr 2026	Arrive Time	856
D9	15 Apr 2026	Wind Speed (kts)	0
D9	15 Apr 2026	Wind Dir	XX
D9	15 Apr 2026	Animal Life	
D9	15 Apr 2026	Floatables	
D9	15 Apr 2026	Current Direction	S
D9	15 Apr 2026	Water Temp (C)	15.6
D9	15 Apr 2026	High Tide Time	820
D9	15 Apr 2026	Low Tide Time	227
D9	15 Apr 2026	Comments	Water clear; Trash-4; Debris; Person/Walker/Jogger-6
D9	22 Apr 2026	Arrive Time	913
D9	22 Apr 2026	Wind Speed (kts)	1.1
D9	22 Apr 2026	Wind Dir	W
D9	22 Apr 2026	Animal Life	
D9	22 Apr 2026	Floatables	
D9	22 Apr 2026	Current Direction	S
D9	22 Apr 2026	Water Temp (C)	15.1
D9	22 Apr 2026	High Tide Time	38
D9	22 Apr 2026	Low Tide Time	840
D9	22 Apr 2026	Comments	Water clear; Trash-2; Seagrass;Algae; Person/Walker/Jogger-5
D9	29 Apr 2026	Arrive Time	1104
D9	29 Apr 2026	Wind Speed (kts)	2.9
D9	29 Apr 2026	Wind Dir	NW
D9	29 Apr 2026	Animal Life	
D9	29 Apr 2026	Floatables	
D9	29 Apr 2026	Current Direction	S
D9	29 Apr 2026	Water Temp (C)	14.6
D9	29 Apr 2026	High Tide Time	837
D9	29 Apr 2026	Low Tide Time	247
D9	29 Apr 2026	Comments	Water clear; Trash-2; Construction site.
D10	02 Apr 2026	Arrive Time	943
D10	02 Apr 2026	Wind Speed (kts)	7.33
D10	02 Apr 2026	Wind Dir	SW
D10	02 Apr 2026	Animal Life	
D10	02 Apr 2026	Floatables	
D10	02 Apr 2026	Current Direction	S
D10	02 Apr 2026	Water Temp (C)	17.3
D10	02 Apr 2026	High Tide Time	1001
D10	02 Apr 2026	Low Tide Time	407
D10	02 Apr 2026	Comments	Water clear; Trash-3; Seagrass;Kelp;Algae;Debris; Person/Walker/Jogger-3
D10	08 Apr 2026	Arrive Time	807
D10	08 Apr 2026	Wind Speed (kts)	1.1
D10	08 Apr 2026	Wind Dir	W

Station	Date	Parameter	Value
D10	08 Apr 2026	Animal Life	Dog-1; Seagull-7;
D10	08 Apr 2026	Floatables	
D10	08 Apr 2026	Current Direction	S
D10	08 Apr 2026	Water Temp (C)	15.3
D10	08 Apr 2026	High Tide Time	7
D10	08 Apr 2026	Low Tide Time	905
D10	08 Apr 2026	Comments	Water clear; Surfer/Paddle boarder-13; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-1
D10	15 Apr 2026	Arrive Time	835
D10	15 Apr 2026	Wind Speed (kts)	1.3
D10	15 Apr 2026	Wind Dir	SW
D10	15 Apr 2026	Animal Life	Bird-1;
D10	15 Apr 2026	Floatables	
D10	15 Apr 2026	Current Direction	S
D10	15 Apr 2026	Water Temp (C)	13.9
D10	15 Apr 2026	High Tide Time	820
D10	15 Apr 2026	Low Tide Time	227
D10	15 Apr 2026	Comments	Water clear; Boogie boarder/Swimmer-1; Surfer/Paddle boarder-8; Trash-3; Kelp;Seagrass;Debris;Algae
D10	22 Apr 2026	Arrive Time	838
D10	22 Apr 2026	Wind Speed (kts)	1.9
D10	22 Apr 2026	Wind Dir	NW
D10	22 Apr 2026	Animal Life	Dog-1;
D10	22 Apr 2026	Floatables	
D10	22 Apr 2026	Current Direction	S
D10	22 Apr 2026	Water Temp (C)	15.1
D10	22 Apr 2026	High Tide Time	38
D10	22 Apr 2026	Low Tide Time	840
D10	22 Apr 2026	Comments	Water clear; Surfer/Paddle boarder-20; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-2
D10	23 Apr 2026	Arrive Time	914
D10	23 Apr 2026	Wind Speed (kts)	1
D10	23 Apr 2026	Wind Dir	SW
D10	23 Apr 2026	Animal Life	Bird-3; Dog-1;
D10	23 Apr 2026	Floatables	Foam
D10	23 Apr 2026	Current Direction	S
D10	23 Apr 2026	Water Temp (C)	18.6
D10	23 Apr 2026	High Tide Time	156
D10	23 Apr 2026	Low Tide Time	1004
D10	23 Apr 2026	Comments	Water clear; Surfer/Paddle boarder-2; Trash-2; Seagrass;Kelp; Person/Walker/Jogger-9
D10	29 Apr 2026	Arrive Time	849
D10	29 Apr 2026	Wind Speed (kts)	2.3
D10	29 Apr 2026	Wind Dir	NW
D10	29 Apr 2026	Animal Life	Bird-3; Dog-4;
D10	29 Apr 2026	Floatables	
D10	29 Apr 2026	Current Direction	S
D10	29 Apr 2026	Water Temp (C)	12.7
D10	29 Apr 2026	High Tide Time	837
D10	29 Apr 2026	Low Tide Time	247
D10	29 Apr 2026	Comments	Water clear; Surfer/Paddle boarder-18; Trash-4; Kelp;Seagrass; Person/Walker/Jogger-9
D11	02 Apr 2026	Arrive Time	931
D11	02 Apr 2026	Wind Speed (kts)	5.2
D11	02 Apr 2026	Wind Dir	SW
D11	02 Apr 2026	Animal Life	

Station	Date	Parameter	Value
D11	02 Apr 2026	Floatables	
D11	02 Apr 2026	Current Direction	S
D11	02 Apr 2026	Water Temp (C)	16.6
D11	02 Apr 2026	High Tide Time	1001
D11	02 Apr 2026	Low Tide Time	407
D11	02 Apr 2026	Comments	Water clear; Trash-3; Kelp;Seagrass;Algae;Debris
D11	08 Apr 2026	Arrive Time	749
D11	08 Apr 2026	Wind Speed (kts)	1.9
D11	08 Apr 2026	Wind Dir	W
D11	08 Apr 2026	Animal Life	Dog-4;
D11	08 Apr 2026	Floatables	
D11	08 Apr 2026	Current Direction	S
D11	08 Apr 2026	Water Temp (C)	15.6
D11	08 Apr 2026	High Tide Time	7
D11	08 Apr 2026	Low Tide Time	905
D11	08 Apr 2026	Comments	Water clear; Trash-1; Seagrass;Kelp;Algae; Person/Walker/Jogger-5
D11	15 Apr 2026	Arrive Time	822
D11	15 Apr 2026	Wind Speed (kts)	0
D11	15 Apr 2026	Wind Dir	XX
D11	15 Apr 2026	Animal Life	
D11	15 Apr 2026	Floatables	
D11	15 Apr 2026	Current Direction	S
D11	15 Apr 2026	Water Temp (C)	12.7
D11	15 Apr 2026	High Tide Time	820
D11	15 Apr 2026	Low Tide Time	227
D11	15 Apr 2026	Comments	Water clear; Surfer/Paddle boarder-12; Trash-3; Kelp;Seagrass;Algae;Debris; Person/Walker/Jogger-2
D11	22 Apr 2026	Arrive Time	827
D11	22 Apr 2026	Wind Speed (kts)	2.1
D11	22 Apr 2026	Wind Dir	NW
D11	22 Apr 2026	Animal Life	Dog-3;
D11	22 Apr 2026	Floatables	
D11	22 Apr 2026	Current Direction	S
D11	22 Apr 2026	Water Temp (C)	16.6
D11	22 Apr 2026	High Tide Time	38
D11	22 Apr 2026	Low Tide Time	840
D11	22 Apr 2026	Comments	Water clear; Fisherperson-1; Trash-1; Kelp;Algae;Seagrass; Person/Walker/Jogger-5
D11	29 Apr 2026	Arrive Time	836
D11	29 Apr 2026	Wind Speed (kts)	0
D11	29 Apr 2026	Wind Dir	XX
D11	29 Apr 2026	Animal Life	Dog-1;
D11	29 Apr 2026	Floatables	
D11	29 Apr 2026	Current Direction	S
D11	29 Apr 2026	Water Temp (C)	15
D11	29 Apr 2026	High Tide Time	837
D11	29 Apr 2026	Low Tide Time	247
D11	29 Apr 2026	Comments	Water clear; Surfer/Paddle boarder-32; Trash-3; Kelp;Seagrass; Person/Walker/Jogger-4
D12	02 Apr 2026	Arrive Time	906
D12	02 Apr 2026	Wind Speed (kts)	6.2
D12	02 Apr 2026	Wind Dir	SW
D12	02 Apr 2026	Animal Life	
D12	02 Apr 2026	Floatables	
D12	02 Apr 2026	Current Direction	S

Station	Date	Parameter	Value
D12	02 Apr 2026	Water Temp (C)	16.3
D12	02 Apr 2026	High Tide Time	1001
D12	02 Apr 2026	Low Tide Time	407
D12	02 Apr 2026	Comments	Water clear; Surfer/Paddle boarder-2; Trash-3; Kelp;Seagrass;Algae;Debris; Person/Walker/Jogger-1
D12	08 Apr 2026	Arrive Time	724
D12	08 Apr 2026	Wind Speed (kts)	1.3
D12	08 Apr 2026	Wind Dir	W
D12	08 Apr 2026	Animal Life	
D12	08 Apr 2026	Floatables	
D12	08 Apr 2026	Current Direction	S
D12	08 Apr 2026	Water Temp (C)	14.3
D12	08 Apr 2026	High Tide Time	7
D12	08 Apr 2026	Low Tide Time	905
D12	08 Apr 2026	Comments	Water clear; Surfer/Paddle boarder-12; Fisherperson-1; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-2
D12	15 Apr 2026	Arrive Time	756
D12	15 Apr 2026	Wind Speed (kts)	2.7
D12	15 Apr 2026	Wind Dir	E
D12	15 Apr 2026	Animal Life	
D12	15 Apr 2026	Floatables	
D12	15 Apr 2026	Current Direction	S
D12	15 Apr 2026	Water Temp (C)	12.3
D12	15 Apr 2026	High Tide Time	820
D12	15 Apr 2026	Low Tide Time	227
D12	15 Apr 2026	Comments	Water clear; Trash-3; Kelp;Seagrass;Algae;Debris
D12	22 Apr 2026	Arrive Time	805
D12	22 Apr 2026	Wind Speed (kts)	1.9
D12	22 Apr 2026	Wind Dir	W
D12	22 Apr 2026	Animal Life	
D12	22 Apr 2026	Floatables	
D12	22 Apr 2026	Current Direction	S
D12	22 Apr 2026	Water Temp (C)	12.2
D12	22 Apr 2026	High Tide Time	38
D12	22 Apr 2026	Low Tide Time	840
D12	22 Apr 2026	Comments	Water clear; Surfer/Paddle boarder-1; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-1
D12	29 Apr 2026	Arrive Time	816
D12	29 Apr 2026	Wind Speed (kts)	2.1
D12	29 Apr 2026	Wind Dir	N
D12	29 Apr 2026	Animal Life	Bird-4;
D12	29 Apr 2026	Floatables	
D12	29 Apr 2026	Current Direction	S
D12	29 Apr 2026	Water Temp (C)	11.7
D12	29 Apr 2026	High Tide Time	837
D12	29 Apr 2026	Low Tide Time	247
D12	29 Apr 2026	Comments	Water clear; Surfer/Paddle boarder-5; Fisherperson-1; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-7
D12	30 Apr 2026	Arrive Time	1118
D12	30 Apr 2026	Wind Speed (kts)	5.8
D12	30 Apr 2026	Wind Dir	S
D12	30 Apr 2026	Animal Life	Bird-1;
D12	30 Apr 2026	Floatables	
D12	30 Apr 2026	Current Direction	S
D12	30 Apr 2026	Water Temp (C)	16
D12	30 Apr 2026	High Tide Time	917

Station	Date	Parameter	Value
D12	30 Apr 2026	Low Tide Time	322
D12	30 Apr 2026	Comments	Water clear; Boogie boarder/Swimmer-2; Trash-3; Kelp;Seagrass;Algae;Debris; Person/Walker/Jogger-3

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 Apr 2026	3	2	3	2	2	2	2	2
02 Apr 2026	*2	*2	*2	*2	*2	*2	*2	*2
03 Apr 2026	*2	*2	*2	*2	*2	*2	*2	*2
04 Apr 2026	*2	*2	*2	*2	*2	*2	*2	*2
05 Apr 2026	*2	*2	*2	*2	*2	*2	*2	*2
06 Apr 2026	2	2	2	2	2	2	2	2
07 Apr 2026	2	2	2	2	2	2	2	2
08 Apr 2026	2	2	2	2	2	2	2	2
09 Apr 2026	*3	*2	*2	*2	*2	*2	*2	*2
10 Apr 2026	*3	*2	*2	*2	*2	*2	*2	*2
11 Apr 2026	*3	*2	*2	*2	*2	*2	*2	*2
12 Apr 2026	*3	*2	*2	*2	*2	*2	*2	*2
13 Apr 2026	*3	*2	*2	*2	*2	*2	*2	*2
14 Apr 2026	3	2	3	2	2	2	2	2
15 Apr 2026	3	2	3	2	2	2	2	2
16 Apr 2026	*3	*2	*4	*2	*2	*2	*2	*2
17 Apr 2026	*3	*2	*4	*2	*2	*2	*2	*2
18 Apr 2026	*3	*2	*4	*2	*2	*2	*2	*2
19 Apr 2026	*3	*2	*4	*2	*2	*2	*2	*2
20 Apr 2026	*3	*2	*4	*2	*2	*2	*2	*2
21 Apr 2026	3	2	3	2	2	2	2	2
22 Apr 2026	3	2	3	2	2	2	2	2
23 Apr 2026	*3	*2	*4	*2	*2	*2	*2	*2
24 Apr 2026	*3	*2	*4	*2	*2	*2	*2	*2
25 Apr 2026	*3	*2	*4	*2	*2	*2	*2	*2
26 Apr 2026	*3	*2	*4	*2	*2	*2	*2	*2
27 Apr 2026	*3	*2	*4	*2	*2	*2	*2	*2
28 Apr 2026	3	3	4	2	2	2	2	2
29 Apr 2026	*3	*3	*4	*2	*2	*2	*2	*2
30 Apr 2026	*3	*3	*4	*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
06 Apr 2026	IC	IC	IC	IC	IC	IC	IC	IC
14 Apr 2026	IC	IC	IC	IC	IC	IC	IC	IC
21 Apr 2026	IC	IC	IC	IC	IC	IC	IC	IC
28 Apr 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 Apr 2026	2	3	2	2	2	2	2	2
02 Apr 2026	*2	*4	*2	*2	*2	*2	*2	*2
03 Apr 2026	*2	*4	*2	*2	*2	*2	*2	*2
04 Apr 2026	*2	*4	*2	*2	*2	*2	*2	*2
05 Apr 2026	*2	*4	*2	*2	*2	*2	*2	*2
06 Apr 2026	2	3	2	2	2	2	2	2
07 Apr 2026	2	3	2	2	2	2	2	2
08 Apr 2026	2	3	2	2	2	2	2	2
09 Apr 2026	*2	*4	*2	*2	*2	*2	*2	*2
10 Apr 2026	*2	*4	*2	*2	*2	*2	*2	*2
11 Apr 2026	*2	*4	*2	*2	*2	*2	*2	*2
12 Apr 2026	*2	*4	*2	*2	*2	*2	*2	*2
13 Apr 2026	*2	*4	*2	*2	*2	*2	*2	*2
14 Apr 2026	2	3	2	2	2	2	2	2
15 Apr 2026	2	3	2	2	2	2	2	2
16 Apr 2026	*2	*2	*2	*2	*2	*2	*2	*2
17 Apr 2026	*2	*2	*2	*2	*2	*2	*2	*2
18 Apr 2026	*2	*2	*2	*2	*2	*2	*2	*2
19 Apr 2026	*2	*2	*2	*2	*2	*2	*2	*2
20 Apr 2026	*2	*2	*2	*2	*2	*2	*2	*2
21 Apr 2026	2	2	2	2	2	2	2	2
22 Apr 2026	2	2	2	2	2	2	2	2
23 Apr 2026	*2	*2	*2	*2	*2	*2	*2	*2
24 Apr 2026	*2	*2	*2	*2	*2	*2	*2	*2
25 Apr 2026	*2	*2	*2	*2	*2	*2	*2	*2
26 Apr 2026	*2	*2	*2	*2	*2	*2	*2	*2
27 Apr 2026	*2	*2	*2	*2	*2	*2	*2	*2
28 Apr 2026	2	2	2	2	2	2	2	2
29 Apr 2026	*2	*2	*2	*2	*2	*2	*2	*2
30 Apr 2026	*2	*2	*2	*2	*2	*2	*2	*2

* Geometric mean calculated using n<5

Table 3.4

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

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

- 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
06 Apr 2026	IC	IC	IC	IC	IC	IC	IC	IC
14 Apr 2026	IC	IC	IC	IC	IC	IC	IC	IC
21 Apr 2026	IC	IC	IC	IC	IC	IC	IC	IC
28 Apr 2026	IC	IC	IC	IC	IC	ns	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
06 Apr 2026	IC	IC	IC	IC	IC	IC	IC	IC
14 Apr 2026	IC	IC	IC	IC	IC	IC	IC	IC
21 Apr 2026	IC	IC	IC	IC	IC	IC	IC	IC
28 Apr 2026	IC	IC	IC	IC	IC	ns	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	06 Apr 2026	815	1	<2	<2	<2
A1	06 Apr 2026	815	12	2e	4e	<2
A1	06 Apr 2026	815	18	16e	4e	<2
A1	14 Apr 2026	758	1	<2	<2	<2
A1	14 Apr 2026	758	12	4e	<2	<2
A1	14 Apr 2026	758	18	8e	4e	<2
A1	21 Apr 2026	800	1	<2	<2	<2
A1	21 Apr 2026	800	12	2e	2e	<2
A1	21 Apr 2026	800	18	6e	<2	<2
A1	28 Apr 2026	757	1	<2	<2	<2
A1	28 Apr 2026	757	12	26e	2e	2e
A1	28 Apr 2026	757	18	38e	8e	2e
A6	06 Apr 2026	848	1	<2	<2	<2
A6	06 Apr 2026	848	12	8e	2e	2e
A6	06 Apr 2026	848	18	16e	<2	<2
A6	14 Apr 2026	821	1	6e	<2	<2
A6	14 Apr 2026	821	12	2e	<2	<2
A6	14 Apr 2026	821	18	2e	<2	<2
A6	21 Apr 2026	828	1	<2	<2	<2
A6	21 Apr 2026	828	12	<2	<2	<2
A6	21 Apr 2026	828	18	2e	<2	<2
A6	28 Apr 2026	837	1	<2	2e	<2
A6	28 Apr 2026	837	12	60	4e	2e
A6	28 Apr 2026	837	18	130	24e	4e
A7	06 Apr 2026	829	1	<2	<2	<2
A7	06 Apr 2026	829	12	18e	<2	<2
A7	06 Apr 2026	829	18	14e	4e	2e
A7	14 Apr 2026	808	1	<2	<2	<2
A7	14 Apr 2026	808	12	10e	<2	<2
A7	14 Apr 2026	808	18	92	22e	<2
A7	21 Apr 2026	815	1	<2	<2	<2
A7	21 Apr 2026	815	12	2e	<2	<2
A7	21 Apr 2026	815	18	4e	<2	2e
A7	28 Apr 2026	822	1	<2	<2	<2
A7	28 Apr 2026	822	12	32e	4e	2e
A7	28 Apr 2026	822	18	66	6e	8e
C4	06 Apr 2026	948	1	<2	<2	<2
C4	06 Apr 2026	948	3	<2	<2	<2
C4	06 Apr 2026	948	9	2e	<2	<2

Station	Date	Time	Depth	Total	Fecal	Entero
C4	14 Apr 2026	935	1	<2	<2	<2
C4	14 Apr 2026	935	3	<2	<2	<2
C4	14 Apr 2026	935	9	<2	<2	<2
C4	21 Apr 2026	948	1	<2	<2	<2
C4	21 Apr 2026	948	3	<2	<2	<2
C4	21 Apr 2026	948	9	<2	<2	<2
C4	28 Apr 2026	953	1	2e	<2	<2
C4	28 Apr 2026	953	3	2e	<2	<2
C4	28 Apr 2026	953	9	2e	<2	<2
C5	06 Apr 2026	943	1	<2	<2	<2
C5	06 Apr 2026	943	3	2e	<2	<2
C5	06 Apr 2026	943	9	<2	<2	<2
C5	14 Apr 2026	923	1	2e	<2	<2
C5	14 Apr 2026	923	3	4e	<2	<2
C5	14 Apr 2026	923	9	<2	<2	<2
C5	21 Apr 2026	937	1	<2	<2	<2
C5	21 Apr 2026	937	3	<2	<2	<2
C5	21 Apr 2026	937	9	<2	<2	<2
C5	28 Apr 2026	943	1	2e	2e	<2
C5	28 Apr 2026	943	3	<2	<2	<2
C5	28 Apr 2026	943	9	8e	<2	<2
C6	06 Apr 2026	930	1	<2	<2	<2
C6	06 Apr 2026	930	3	<2	<2	<2
C6	06 Apr 2026	930	9	2e	<2	<2
C6	14 Apr 2026	906	1	<2	<2	<2
C6	14 Apr 2026	906	3	<2	<2	<2
C6	14 Apr 2026	906	9	<2	<2	<2
C6	21 Apr 2026	925	1	<2	<2	<2
C6	21 Apr 2026	925	3	<2	<2	<2
C6	21 Apr 2026	925	9	<2	<2	<2
C6	28 Apr 2026	933	1	CTNA	<2	<2
C6	28 Apr 2026	933	3	CTNA	<2	<2
C6	28 Apr 2026	933	9	CTNA	<2	<2
C7	06 Apr 2026	857	1	<2	<2	<2
C7	06 Apr 2026	857	12	<2	<2	<2
C7	06 Apr 2026	857	18	26e	2e	<2
C7	14 Apr 2026	834	1	<2	<2	<2
C7	14 Apr 2026	834	12	<2	<2	<2
C7	14 Apr 2026	834	18	6e	<2	<2
C7	21 Apr 2026	841	1	<2	<2	<2
C7	21 Apr 2026	841	12	<2	<2	<2
C7	21 Apr 2026	841	18	2e	<2	<2
C7	28 Apr 2026	849	1	2e	<2	<2
C7	28 Apr 2026	849	12	<2	<2	<2
C7	28 Apr 2026	849	18	16e	2e	<2

Station	Date	Time	Depth	Total	Fecal	Entero
C8	06 Apr 2026	912	1	<2	<2	<2
C8	06 Apr 2026	912	12	2e	<2	<2
C8	06 Apr 2026	912	18	8e	2e	<2
C8	14 Apr 2026	844	1	8e	<2	<2
C8	14 Apr 2026	844	12	2e	<2	<2
C8	14 Apr 2026	844	18	2e	<2	<2
C8	21 Apr 2026	904	1	<2	<2	2e
C8	21 Apr 2026	904	12	<2	<2	<2
C8	21 Apr 2026	904	18	8e	2e	<2
C8	28 Apr 2026	912	1	6e	6e	<2
C8	28 Apr 2026	912	12	8e	2e	<2
C8	28 Apr 2026	912	18	34e	6e	<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	06 Apr 2026	Arrive Time	815
A1	06 Apr 2026	Depart Time	826
A1	06 Apr 2026	Air Temp (C)	17.7
A1	06 Apr 2026	Visibility (mi)	10
A1	06 Apr 2026	Wind Speed (kts)	4
A1	06 Apr 2026	Wind Dir	W
A1	06 Apr 2026	Sea State	Wind Ripples
A1	06 Apr 2026	High Tide Time	6
A1	06 Apr 2026	Low Tide Time	642
A1	06 Apr 2026	Comments	Kelp; Kelp Debris
A1	14 Apr 2026	Arrive Time	758
A1	14 Apr 2026	Depart Time	804
A1	14 Apr 2026	Air Temp (C)	15.6
A1	14 Apr 2026	Visibility (mi)	10
A1	14 Apr 2026	Wind Speed (kts)	5.4
A1	14 Apr 2026	Wind Dir	SE
A1	14 Apr 2026	Sea State	Confused Swell
A1	14 Apr 2026	High Tide Time	2006
A1	14 Apr 2026	Low Tide Time	1354
A1	14 Apr 2026	Comments	Kelp; Kelp Debris
A1	21 Apr 2026	Arrive Time	800
A1	21 Apr 2026	Depart Time	807
A1	21 Apr 2026	Air Temp (C)	18.7
A1	21 Apr 2026	Visibility (mi)	10
A1	21 Apr 2026	Wind Speed (kts)	2.4
A1	21 Apr 2026	Wind Dir	S
A1	21 Apr 2026	Sea State	Calm
A1	21 Apr 2026	High Tide Time	6
A1	21 Apr 2026	Low Tide Time	724
A1	21 Apr 2026	Comments	Kelp debris on CTD
A1	28 Apr 2026	Arrive Time	754
A1	28 Apr 2026	Depart Time	800
A1	28 Apr 2026	Air Temp (C)	17
A1	28 Apr 2026	Visibility (mi)	10
A1	28 Apr 2026	Wind Speed (kts)	1.6
A1	28 Apr 2026	Wind Dir	NE
A1	28 Apr 2026	Sea State	Light Chop
A1	28 Apr 2026	High Tide Time	2012
A1	28 Apr 2026	Low Tide Time	206
A1	28 Apr 2026	Comments	
C4	06 Apr 2026	Arrive Time	958
C4	06 Apr 2026	Depart Time	1000
C4	06 Apr 2026	Air Temp (C)	18.6
C4	06 Apr 2026	Visibility (mi)	10
C4	06 Apr 2026	Wind Speed (kts)	2.2
C4	06 Apr 2026	Wind Dir	S
C4	06 Apr 2026	Sea State	Calm
C4	06 Apr 2026	High Tide Time	6
C4	06 Apr 2026	Low Tide Time	642
C4	06 Apr 2026	Comments	
C4	14 Apr 2026	Arrive Time	935

Station	Date	Parameter	Value
C4	14 Apr 2026	Depart Time	940
C4	14 Apr 2026	Air Temp (C)	16.8
C4	14 Apr 2026	Visibility (mi)	10
C4	14 Apr 2026	Wind Speed (kts)	4.1
C4	14 Apr 2026	Wind Dir	S
C4	14 Apr 2026	Sea State	Wind Ripples
C4	14 Apr 2026	High Tide Time	2006
C4	14 Apr 2026	Low Tide Time	1354
C4	14 Apr 2026	Comments	
C4	21 Apr 2026	Arrive Time	948
C4	21 Apr 2026	Depart Time	953
C4	21 Apr 2026	Air Temp (C)	18.7
C4	21 Apr 2026	Visibility (mi)	10
C4	21 Apr 2026	Wind Speed (kts)	1.4
C4	21 Apr 2026	Wind Dir	S
C4	21 Apr 2026	Sea State	Calm
C4	21 Apr 2026	High Tide Time	6
C4	21 Apr 2026	Low Tide Time	724
C4	21 Apr 2026	Comments	
C4	28 Apr 2026	Arrive Time	952
C4	28 Apr 2026	Depart Time	957
C4	28 Apr 2026	Air Temp (C)	18.1
C4	28 Apr 2026	Visibility (mi)	10
C4	28 Apr 2026	Wind Speed (kts)	1.2
C4	28 Apr 2026	Wind Dir	SW
C4	28 Apr 2026	Sea State	Light Chop
C4	28 Apr 2026	High Tide Time	2012
C4	28 Apr 2026	Low Tide Time	206
C4	28 Apr 2026	Comments	
A7	06 Apr 2026	Arrive Time	829
A7	06 Apr 2026	Depart Time	837
A7	06 Apr 2026	Air Temp (C)	17.8
A7	06 Apr 2026	Visibility (mi)	10
A7	06 Apr 2026	Wind Speed (kts)	2.6
A7	06 Apr 2026	Wind Dir	NW
A7	06 Apr 2026	Sea State	Wind Ripples
A7	06 Apr 2026	High Tide Time	6
A7	06 Apr 2026	Low Tide Time	642
A7	06 Apr 2026	Comments	Kelp; Kelp Debris
A7	14 Apr 2026	Arrive Time	808
A7	14 Apr 2026	Depart Time	813
A7	14 Apr 2026	Air Temp (C)	15.3
A7	14 Apr 2026	Visibility (mi)	10
A7	14 Apr 2026	Wind Speed (kts)	3
A7	14 Apr 2026	Wind Dir	SE
A7	14 Apr 2026	Sea State	Confused Swell
A7	14 Apr 2026	High Tide Time	2006
A7	14 Apr 2026	Low Tide Time	1354
A7	14 Apr 2026	Comments	
A7	21 Apr 2026	Arrive Time	815
A7	21 Apr 2026	Depart Time	821
A7	21 Apr 2026	Air Temp (C)	16.9
A7	21 Apr 2026	Visibility (mi)	10
A7	21 Apr 2026	Wind Speed (kts)	2.5
A7	21 Apr 2026	Wind Dir	S
A7	21 Apr 2026	Sea State	Calm

Station	Date	Parameter	Value
A7	21 Apr 2026	High Tide Time	6
A7	21 Apr 2026	Low Tide Time	724
A7	21 Apr 2026	Comments	Kelp debris on CTD
A7	28 Apr 2026	Arrive Time	807
A7	28 Apr 2026	Depart Time	826
A7	28 Apr 2026	Air Temp (C)	15.4
A7	28 Apr 2026	Visibility (mi)	10
A7	28 Apr 2026	Wind Speed (kts)	8
A7	28 Apr 2026	Wind Dir	N
A7	28 Apr 2026	Sea State	Light Chop
A7	28 Apr 2026	High Tide Time	2012
A7	28 Apr 2026	Low Tide Time	206
A7	28 Apr 2026	Comments	
C5	06 Apr 2026	Arrive Time	943
C5	06 Apr 2026	Depart Time	950
C5	06 Apr 2026	Air Temp (C)	18.1
C5	06 Apr 2026	Visibility (mi)	10
C5	06 Apr 2026	Wind Speed (kts)	4.8
C5	06 Apr 2026	Wind Dir	S
C5	06 Apr 2026	Sea State	Calm
C5	06 Apr 2026	High Tide Time	6
C5	06 Apr 2026	Low Tide Time	642
C5	06 Apr 2026	Comments	
C5	14 Apr 2026	Arrive Time	923
C5	14 Apr 2026	Depart Time	928
C5	14 Apr 2026	Air Temp (C)	16.7
C5	14 Apr 2026	Visibility (mi)	10
C5	14 Apr 2026	Wind Speed (kts)	1.1
C5	14 Apr 2026	Wind Dir	S
C5	14 Apr 2026	Sea State	Wind Ripples
C5	14 Apr 2026	High Tide Time	2006
C5	14 Apr 2026	Low Tide Time	1354
C5	14 Apr 2026	Comments	
C5	21 Apr 2026	Arrive Time	937
C5	21 Apr 2026	Depart Time	947
C5	21 Apr 2026	Air Temp (C)	18.5
C5	21 Apr 2026	Visibility (mi)	10
C5	21 Apr 2026	Wind Speed (kts)	5.9
C5	21 Apr 2026	Wind Dir	S
C5	21 Apr 2026	Sea State	Calm
C5	21 Apr 2026	High Tide Time	6
C5	21 Apr 2026	Low Tide Time	724
C5	21 Apr 2026	Comments	
C5	28 Apr 2026	Arrive Time	942
C5	28 Apr 2026	Depart Time	947
C5	28 Apr 2026	Air Temp (C)	17.9
C5	28 Apr 2026	Visibility (mi)	10
C5	28 Apr 2026	Wind Speed (kts)	0.8
C5	28 Apr 2026	Wind Dir	W
C5	28 Apr 2026	Sea State	Light Chop
C5	28 Apr 2026	High Tide Time	2012
C5	28 Apr 2026	Low Tide Time	206
C5	28 Apr 2026	Comments	
A6	06 Apr 2026	Arrive Time	848
A6	06 Apr 2026	Depart Time	848

Station	Date	Parameter	Value
A6	06 Apr 2026	Air Temp (C)	18.1
A6	06 Apr 2026	Visibility (mi)	10
A6	06 Apr 2026	Wind Speed (kts)	1.2
A6	06 Apr 2026	Wind Dir	W
A6	06 Apr 2026	Sea State	Wind Ripples
A6	06 Apr 2026	High Tide Time	6
A6	06 Apr 2026	Low Tide Time	642
A6	06 Apr 2026	Comments	Kelp Debris
A6	14 Apr 2026	Arrive Time	821
A6	14 Apr 2026	Depart Time	826
A6	14 Apr 2026	Air Temp (C)	16.9
A6	14 Apr 2026	Visibility (mi)	10
A6	14 Apr 2026	Wind Speed (kts)	2.4
A6	14 Apr 2026	Wind Dir	SE
A6	14 Apr 2026	Sea State	Confused Swell
A6	14 Apr 2026	High Tide Time	2006
A6	14 Apr 2026	Low Tide Time	1354
A6	14 Apr 2026	Comments	
A6	21 Apr 2026	Arrive Time	828
A6	21 Apr 2026	Depart Time	831
A6	21 Apr 2026	Air Temp (C)	17.7
A6	21 Apr 2026	Visibility (mi)	10
A6	21 Apr 2026	Wind Speed (kts)	4.2
A6	21 Apr 2026	Wind Dir	S
A6	21 Apr 2026	Sea State	Calm
A6	21 Apr 2026	High Tide Time	6
A6	21 Apr 2026	Low Tide Time	724
A6	21 Apr 2026	Comments	
A6	28 Apr 2026	Arrive Time	834
A6	28 Apr 2026	Depart Time	840
A6	28 Apr 2026	Air Temp (C)	17.7
A6	28 Apr 2026	Visibility (mi)	10
A6	28 Apr 2026	Wind Speed (kts)	2.2
A6	28 Apr 2026	Wind Dir	NE
A6	28 Apr 2026	Sea State	Light Chop
A6	28 Apr 2026	High Tide Time	2012
A6	28 Apr 2026	Low Tide Time	206
A6	28 Apr 2026	Comments	Kelp detritus on CTD
C6	06 Apr 2026	Arrive Time	930
C6	06 Apr 2026	Depart Time	938
C6	06 Apr 2026	Air Temp (C)	17.9
C6	06 Apr 2026	Visibility (mi)	10
C6	06 Apr 2026	Wind Speed (kts)	1.9
C6	06 Apr 2026	Wind Dir	SW
C6	06 Apr 2026	Sea State	Calm
C6	06 Apr 2026	High Tide Time	6
C6	06 Apr 2026	Low Tide Time	642
C6	06 Apr 2026	Comments	
C6	14 Apr 2026	Arrive Time	906
C6	14 Apr 2026	Depart Time	923
C6	14 Apr 2026	Air Temp (C)	17.5
C6	14 Apr 2026	Visibility (mi)	10
C6	14 Apr 2026	Wind Speed (kts)	1.4
C6	14 Apr 2026	Wind Dir	SE
C6	14 Apr 2026	Sea State	Wind Ripples
C6	14 Apr 2026	High Tide Time	2006

Station	Date	Parameter	Value
C6	14 Apr 2026	Low Tide Time	1354
C6	14 Apr 2026	Comments	Did not achieve target depth on first cast; Recast CTD only; Kelp Debris; Seagrass
C6	21 Apr 2026	Arrive Time	925
C6	21 Apr 2026	Depart Time	930
C6	21 Apr 2026	Air Temp (C)	17.6
C6	21 Apr 2026	Visibility (mi)	10
C6	21 Apr 2026	Wind Speed (kts)	6.3
C6	21 Apr 2026	Wind Dir	SW
C6	21 Apr 2026	Sea State	Calm
C6	21 Apr 2026	High Tide Time	6
C6	21 Apr 2026	Low Tide Time	724
C6	21 Apr 2026	Comments	
C6	28 Apr 2026	Arrive Time	931
C6	28 Apr 2026	Depart Time	936
C6	28 Apr 2026	Air Temp (C)	17.7
C6	28 Apr 2026	Visibility (mi)	10
C6	28 Apr 2026	Wind Speed (kts)	1.8
C6	28 Apr 2026	Wind Dir	N
C6	28 Apr 2026	Sea State	Light Chop
C6	28 Apr 2026	High Tide Time	2012
C6	28 Apr 2026	Low Tide Time	206
C6	28 Apr 2026	Comments	
C7	06 Apr 2026	Arrive Time	857
C7	06 Apr 2026	Depart Time	911
C7	06 Apr 2026	Air Temp (C)	18
C7	06 Apr 2026	Visibility (mi)	10
C7	06 Apr 2026	Wind Speed (kts)	0.8
C7	06 Apr 2026	Wind Dir	W
C7	06 Apr 2026	Sea State	Calm
C7	06 Apr 2026	High Tide Time	6
C7	06 Apr 2026	Low Tide Time	642
C7	06 Apr 2026	Comments	
C7	14 Apr 2026	Arrive Time	834
C7	14 Apr 2026	Depart Time	838
C7	14 Apr 2026	Air Temp (C)	16
C7	14 Apr 2026	Visibility (mi)	10
C7	14 Apr 2026	Wind Speed (kts)	1.5
C7	14 Apr 2026	Wind Dir	E
C7	14 Apr 2026	Sea State	Wind Ripples
C7	14 Apr 2026	High Tide Time	2006
C7	14 Apr 2026	Low Tide Time	1354
C7	14 Apr 2026	Comments	
C7	21 Apr 2026	Arrive Time	841
C7	21 Apr 2026	Depart Time	900
C7	21 Apr 2026	Air Temp (C)	17.3
C7	21 Apr 2026	Visibility (mi)	10
C7	21 Apr 2026	Wind Speed (kts)	3.4
C7	21 Apr 2026	Wind Dir	E
C7	21 Apr 2026	Sea State	Calm
C7	21 Apr 2026	High Tide Time	6
C7	21 Apr 2026	Low Tide Time	724
C7	21 Apr 2026	Comments	Attempted 4 times for a depth of 18m, tide was too low
C7	28 Apr 2026	Arrive Time	848
C7	28 Apr 2026	Depart Time	853

Station	Date	Parameter	Value
C7	28 Apr 2026	Air Temp (C)	15.4
C7	28 Apr 2026	Visibility (mi)	10
C7	28 Apr 2026	Wind Speed (kts)	3.9
C7	28 Apr 2026	Wind Dir	N
C7	28 Apr 2026	Sea State	Light Chop
C7	28 Apr 2026	High Tide Time	2012
C7	28 Apr 2026	Low Tide Time	206
C7	28 Apr 2026	Comments	Brown patches of water; possible red tide
C8	06 Apr 2026	Arrive Time	912
C8	06 Apr 2026	Depart Time	916
C8	06 Apr 2026	Air Temp (C)	18.4
C8	06 Apr 2026	Visibility (mi)	10
C8	06 Apr 2026	Wind Speed (kts)	0.1
C8	06 Apr 2026	Wind Dir	W
C8	06 Apr 2026	Sea State	Calm
C8	06 Apr 2026	High Tide Time	6
C8	06 Apr 2026	Low Tide Time	642
C8	06 Apr 2026	Comments	
C8	14 Apr 2026	Arrive Time	844
C8	14 Apr 2026	Depart Time	849
C8	14 Apr 2026	Air Temp (C)	16.1
C8	14 Apr 2026	Visibility (mi)	10
C8	14 Apr 2026	Wind Speed (kts)	2.3
C8	14 Apr 2026	Wind Dir	SE
C8	14 Apr 2026	Sea State	Wind Ripples
C8	14 Apr 2026	High Tide Time	2006
C8	14 Apr 2026	Low Tide Time	1354
C8	14 Apr 2026	Comments	
C8	21 Apr 2026	Arrive Time	904
C8	21 Apr 2026	Depart Time	910
C8	21 Apr 2026	Air Temp (C)	17.3
C8	21 Apr 2026	Visibility (mi)	10
C8	21 Apr 2026	Wind Speed (kts)	3.9
C8	21 Apr 2026	Wind Dir	NE
C8	21 Apr 2026	Sea State	Calm
C8	21 Apr 2026	High Tide Time	6
C8	21 Apr 2026	Low Tide Time	724
C8	21 Apr 2026	Comments	
C8	28 Apr 2026	Arrive Time	910
C8	28 Apr 2026	Depart Time	916
C8	28 Apr 2026	Air Temp (C)	15.4
C8	28 Apr 2026	Visibility (mi)	10
C8	28 Apr 2026	Wind Speed (kts)	8.2
C8	28 Apr 2026	Wind Dir	N
C8	28 Apr 2026	Sea State	Light Chop
C8	28 Apr 2026	High Tide Time	2012
C8	28 Apr 2026	Low Tide Time	206
C8	28 Apr 2026	Comments	Red tide patches

Comments

date	station	depth	parmcode	comments
28-Apr-2026	C6		TOTAL	Contamination of colonies growing under the filter is likely due to vacuum manifold issue

Table 3.10

Summary of CTD profile data from the PLOO kelp stations for each sample date.

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
A1	06 Apr 2026	1	16.62	90.57	7.9	33.32	7.9	24.3	1.20
A1	06 Apr 2026	2	16.40	90.26	7.7	33.34	7.9	24.4	1.34
A1	06 Apr 2026	3	15.70	89.33	7.6	33.35	7.9	24.5	2.27
A1	06 Apr 2026	4	15.27	87.78	7.4	33.36	7.9	24.6	2.88
A1	06 Apr 2026	5	14.91	88.00	7.2	33.36	7.9	24.7	2.81
A1	06 Apr 2026	6	14.74	89.36	7.1	33.35	7.9	24.8	2.12
A1	06 Apr 2026	7	14.77	89.70	7.1	33.34	7.9	24.7	2.39
A1	06 Apr 2026	8	14.67	89.31	7.0	33.36	7.9	24.8	2.55
A1	06 Apr 2026	9	14.50	90.09	6.9	33.37	7.9	24.8	2.48
A1	06 Apr 2026	10	14.24	91.42	6.8	33.39	7.9	24.9	2.19
A1	06 Apr 2026	11	13.95	91.27	6.5	33.40	7.8	25.0	2.05
A1	06 Apr 2026	12	13.81	92.42	6.4	33.40	7.8	25.0	1.76
A1	06 Apr 2026	13	13.55	91.75	6.2	33.40	7.8	25.0	1.47
A1	06 Apr 2026	14	13.53	92.96	6.2	33.40	7.8	25.0	1.51
A1	06 Apr 2026	15	13.50	93.19	6.1	33.40	7.8	25.1	1.43
A1	06 Apr 2026	16	13.46	93.37	6.1	33.40	7.8	25.1	1.59
A1	06 Apr 2026	17	13.43	93.53	6.0	33.40	7.8	25.1	1.50
A1	06 Apr 2026	18	13.42	93.60	6.0	33.40	7.8	25.1	1.44
A1	14 Apr 2026	1	16.71	81.59	9.1	33.34	8.2	24.3	1.92
A1	14 Apr 2026	2	16.64	81.65	9.1	33.34	8.2	24.3	1.91
A1	14 Apr 2026	3	16.32	81.36	8.8	33.37	8.2	24.4	2.29
A1	14 Apr 2026	4	15.42	81.05	8.6	33.36	8.2	24.6	3.23
A1	14 Apr 2026	5	14.80	79.40	8.3	33.34	8.1	24.7	5.38
A1	14 Apr 2026	6	14.77	76.26	8.2	33.34	8.1	24.7	7.44
A1	14 Apr 2026	7	14.66	75.56	8.0	33.34	8.1	24.8	8.13
A1	14 Apr 2026	8	14.38	74.37	7.7	33.35	8.1	24.8	8.66
A1	14 Apr 2026	9	14.16	74.28	7.3	33.35	8.0	24.9	9.50
A1	14 Apr 2026	10	14.00	74.73	7.0	33.36	8.0	24.9	9.42
A1	14 Apr 2026	11	13.95	76.12	6.8	33.36	8.0	24.9	9.43
A1	14 Apr 2026	12	13.69	77.70	6.3	33.37	8.0	25.0	8.61
A1	14 Apr 2026	13	13.35	80.59	5.8	33.39	7.9	25.1	5.25
A1	14 Apr 2026	14	12.88	83.67	5.4	33.42	7.9	25.2	2.87
A1	14 Apr 2026	15	12.75	89.40	5.2	33.42	7.9	25.2	2.05
A1	14 Apr 2026	16	12.49	89.16	5.0	33.45	7.9	25.3	1.70
A1	14 Apr 2026	17	12.45	89.69	4.9	33.45	7.8	25.3	1.43
A1	14 Apr 2026	18	12.39	91.05	4.9	33.46	7.8	25.3	1.31
A1	14 Apr 2026	19	12.29	91.62	4.8	33.47	7.8	25.3	1.19
A1	21 Apr 2026	1	16.82	88.16	9.0	33.37	8.2	24.3	0.51
A1	21 Apr 2026	2	16.81	88.16	9.0	33.37	8.2	24.3	0.54
A1	21 Apr 2026	3	16.74	88.12	9.0	33.37	8.2	24.3	0.62
A1	21 Apr 2026	4	16.36	88.26	9.1	33.38	8.2	24.4	0.85
A1	21 Apr 2026	5	15.80	88.00	9.2	33.36	8.2	24.5	1.10
A1	21 Apr 2026	6	15.37	88.84	9.1	33.36	8.2	24.6	1.17
A1	21 Apr 2026	7	15.13	89.23	9.0	33.36	8.1	24.7	1.50
A1	21 Apr 2026	8	14.96	88.46	8.8	33.36	8.1	24.7	2.22
A1	21 Apr 2026	9	14.72	87.31	8.5	33.37	8.1	24.8	2.91
A1	21 Apr 2026	10	14.21	86.39	7.8	33.41	8.1	24.9	3.45
A1	21 Apr 2026	11	13.79	86.43	7.0	33.42	8.0	25.0	2.87
A1	21 Apr 2026	12	13.55	89.50	6.4	33.43	8.0	25.1	1.82
A1	21 Apr 2026	13	13.39	91.05	6.1	33.43	7.9	25.1	1.85
A1	21 Apr 2026	14	13.29	91.15	6.0	33.43	7.9	25.1	1.94
A1	21 Apr 2026	15	13.14	90.95	5.9	33.44	7.9	25.2	2.22
A1	21 Apr 2026	16	13.07	90.93	5.8	33.44	7.9	25.2	2.22
A1	21 Apr 2026	17	12.91	91.18	5.6	33.45	7.9	25.2	1.92
A1	21 Apr 2026	18	13.00	91.82	5.6	33.44	7.9	25.2	1.87
A1	28 Apr 2026	1	15.06	88.13	7.3	33.44	8.0	24.8	0.93
A1	28 Apr 2026	2	14.69	88.13	7.3	33.49	8.0	24.9	0.86
A1	28 Apr 2026	3	13.49	88.05	7.0	33.53	8.0	25.2	1.76
A1	28 Apr 2026	4	12.62	78.52	6.3	33.53	7.9	25.3	6.38
A1	28 Apr 2026	5	12.35	80.61	5.7	33.48	7.8	25.3	4.44
A1	28 Apr 2026	6	12.29	88.99	5.4	33.48	7.8	25.4	2.58
A1	28 Apr 2026	7	12.19	91.26	5.2	33.49	7.8	25.4	2.20
A1	28 Apr 2026	8	12.00	92.59	5.0	33.52	7.8	25.4	1.56
A1	28 Apr 2026	9	12.01	92.58	4.8	33.52	7.8	25.4	0.99
A1	28 Apr 2026	10	11.82	92.75	4.7	33.56	7.8	25.5	0.99

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
A1	28 Apr 2026	11	11.81	94.39	4.5	33.55	7.8	25.5	0.57
A1	28 Apr 2026	12	11.75	95.26	4.4	33.58	7.8	25.5	0.64
A1	28 Apr 2026	13	11.64	95.47	4.3	33.59	7.8	25.6	0.43
A1	28 Apr 2026	14	11.64	95.43	4.2	33.59	7.8	25.6	0.46
A1	28 Apr 2026	15	11.59	95.35	4.2	33.60	7.8	25.6	0.40
A1	28 Apr 2026	16	11.59	94.50	4.2	33.60	7.8	25.6	0.38
A1	28 Apr 2026	17	11.59	95.12	4.2	33.59	7.8	25.6	0.42
A1	28 Apr 2026	18	11.60	94.98	4.1	33.59	7.8	25.6	0.41
C4	06 Apr 2026	1	17.39	87.91	7.9	33.26	8.0	24.1	0.75
C4	06 Apr 2026	2	17.37	87.25	7.9	33.31	8.0	24.1	0.83
C4	06 Apr 2026	3	17.21	88.27	7.9	33.34	8.0	24.2	0.89
C4	06 Apr 2026	4	16.83	88.76	7.7	33.34	8.0	24.3	1.11
C4	06 Apr 2026	5	16.54	90.53	7.5	33.34	8.0	24.3	1.16
C4	06 Apr 2026	6	16.19	90.51	7.3	33.35	7.9	24.4	0.89
C4	06 Apr 2026	7	15.64	91.11	7.0	33.36	7.9	24.6	0.71
C4	06 Apr 2026	8	15.03	91.81	6.7	33.37	7.9	24.7	0.53
C4	06 Apr 2026	9	14.78	91.60	6.4	33.36	7.8	24.8	0.42
C4	06 Apr 2026	10	14.18	90.92	6.3	33.37	7.8	24.9	0.41
C4	06 Apr 2026	11	14.09	89.61	6.2	33.36	7.8	24.9	0.45
C4	14 Apr 2026	1	16.88	81.62	9.1	33.34	8.2	24.3	1.00
C4	14 Apr 2026	2	16.92	81.46	9.1	33.34	8.2	24.3	0.98
C4	14 Apr 2026	3	16.62	81.33	9.2	33.34	8.2	24.3	1.01
C4	14 Apr 2026	4	16.29	80.45	9.3	33.34	8.2	24.4	1.44
C4	14 Apr 2026	5	15.25	77.85	9.1	33.35	8.2	24.6	3.46
C4	14 Apr 2026	6	15.17	75.58	8.4	33.33	8.2	24.6	6.15
C4	14 Apr 2026	7	14.67	78.93	7.7	33.34	8.1	24.8	6.01
C4	14 Apr 2026	8	14.58	81.99	7.2	33.34	8.1	24.8	5.42
C4	14 Apr 2026	9	14.50	83.96	6.6	33.34	8.0	24.8	4.29
C4	14 Apr 2026	10	14.44	86.55	6.2	33.34	8.0	24.8	2.43
C4	14 Apr 2026	11	14.45	87.81	6.2	33.34	8.0	24.8	1.75
C4	21 Apr 2026	1	17.71	90.41	8.5	33.39	8.2	24.1	0.74
C4	21 Apr 2026	2	17.57	90.59	8.4	33.39	8.2	24.1	0.62
C4	21 Apr 2026	3	16.87	89.85	8.8	33.39	8.2	24.3	1.07
C4	21 Apr 2026	4	16.68	87.82	8.9	33.40	8.2	24.4	1.33
C4	21 Apr 2026	5	16.27	84.88	9.2	33.41	8.2	24.5	4.40
C4	21 Apr 2026	6	16.06	77.60	9.1	33.40	8.2	24.5	10.71
C4	21 Apr 2026	7	15.76	73.67	8.7	33.41	8.2	24.6	10.04
C4	21 Apr 2026	8	15.33	76.38	8.0	33.43	8.1	24.7	3.69
C4	21 Apr 2026	9	14.62	84.07	6.9	33.46	8.0	24.9	1.26
C4	21 Apr 2026	10	14.19	89.53	6.1	33.45	7.9	24.9	0.42
C4	21 Apr 2026	11	14.15	90.58	5.8	33.42	7.9	24.9	0.43
C4	28 Apr 2026	1	15.08	85.86	7.2	33.44	8.1	24.8	0.71
C4	28 Apr 2026	2	14.91	86.15	7.3	33.45	8.1	24.8	0.76
C4	28 Apr 2026	3	14.75	85.49	7.2	33.45	8.1	24.8	1.08
C4	28 Apr 2026	4	14.66	84.73	7.2	33.45	8.0	24.9	1.51
C4	28 Apr 2026	5	14.17	83.92	6.9	33.51	8.0	25.0	2.07
C4	28 Apr 2026	6	13.22	80.90	6.4	33.48	8.0	25.2	6.09
C4	28 Apr 2026	7	12.92	79.27	5.9	33.51	7.9	25.3	6.24
C4	28 Apr 2026	8	12.82	84.86	5.3	33.46	7.8	25.2	1.59
C4	28 Apr 2026	9	12.58	86.84	5.2	33.50	7.8	25.3	1.36
C4	28 Apr 2026	10	12.45	91.01	4.9	33.49	7.8	25.3	0.68
C4	28 Apr 2026	11	12.44	91.18	4.8	33.49	7.8	25.3	0.48
A7	06 Apr 2026	1	17.28	92.00	8.0	33.32	8.0	24.2	1.10
A7	06 Apr 2026	2	17.27	91.96	8.0	33.32	8.0	24.2	1.16
A7	06 Apr 2026	3	17.23	91.81	7.9	33.32	8.0	24.2	1.14
A7	06 Apr 2026	4	17.04	91.53	7.8	33.32	8.0	24.2	1.17
A7	06 Apr 2026	5	16.12	90.98	7.7	33.36	8.0	24.5	1.28
A7	06 Apr 2026	6	15.44	90.57	7.4	33.37	7.9	24.6	1.76
A7	06 Apr 2026	7	15.06	90.32	7.2	33.35	7.9	24.7	1.78
A7	06 Apr 2026	8	14.85	90.70	7.1	33.35	7.9	24.7	1.60
A7	06 Apr 2026	9	14.68	91.67	7.0	33.37	7.9	24.8	1.30
A7	06 Apr 2026	10	14.16	93.04	6.6	33.39	7.9	24.9	1.06
A7	06 Apr 2026	11	13.93	93.82	6.4	33.39	7.8	25.0	0.90
A7	06 Apr 2026	12	13.58	94.27	6.3	33.40	7.8	25.0	0.87
A7	06 Apr 2026	13	13.20	94.37	6.0	33.41	7.8	25.1	0.95
A7	06 Apr 2026	14	12.95	94.93	5.8	33.42	7.8	25.2	0.79
A7	06 Apr 2026	15	12.87	95.33	5.7	33.43	7.8	25.2	0.74
A7	06 Apr 2026	16	12.80	95.47	5.7	33.43	7.8	25.2	0.73
A7	06 Apr 2026	17	12.78	95.58	5.7	33.42	7.8	25.2	0.73

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
A7	06 Apr 2026	18	12.78	95.48	5.7	33.43	7.8	25.2	0.71
A7	14 Apr 2026	1	16.43	78.83	8.9	33.35	8.2	24.4	3.21
A7	14 Apr 2026	2	16.07	80.35	9.0	33.36	8.2	24.5	3.34
A7	14 Apr 2026	3	15.23	79.58	9.5	33.35	8.2	24.6	5.56
A7	14 Apr 2026	4	15.03	73.06	9.6	33.34	8.2	24.7	11.40
A7	14 Apr 2026	5	14.84	68.89	9.3	33.34	8.2	24.7	9.97
A7	14 Apr 2026	6	14.71	70.66	8.9	33.34	8.2	24.8	8.70
A7	14 Apr 2026	7	14.55	71.75	8.4	33.34	8.1	24.8	8.54
A7	14 Apr 2026	8	14.17	73.30	7.8	33.35	8.1	24.9	7.64
A7	14 Apr 2026	9	14.12	76.22	7.4	33.35	8.1	24.9	7.29
A7	14 Apr 2026	10	13.80	77.21	6.9	33.36	8.0	25.0	7.95
A7	14 Apr 2026	11	13.46	79.88	6.2	33.37	8.0	25.0	6.13
A7	14 Apr 2026	12	13.28	82.45	5.8	33.38	7.9	25.1	4.98
A7	14 Apr 2026	13	13.08	85.19	5.5	33.39	7.9	25.1	4.16
A7	14 Apr 2026	14	13.06	87.97	5.4	33.39	7.9	25.1	3.31
A7	14 Apr 2026	15	13.04	88.47	5.3	33.39	7.9	25.1	3.10
A7	14 Apr 2026	16	12.96	88.91	5.3	33.40	7.9	25.2	2.99
A7	14 Apr 2026	17	12.70	89.65	5.1	33.42	7.9	25.2	2.27
A7	14 Apr 2026	18	12.40	91.78	4.9	33.46	7.8	25.3	1.11
A7	14 Apr 2026	19	12.30	92.51	4.7	33.46	7.8	25.3	0.78
A7	14 Apr 2026	20	12.19	92.17	4.6	33.48	7.8	25.4	0.67
A7	21 Apr 2026	1	17.60	90.76	8.6	33.38	8.2	24.1	0.49
A7	21 Apr 2026	2	17.20	90.75	8.7	33.37	8.2	24.2	0.48
A7	21 Apr 2026	3	16.06	90.46	8.9	33.38	8.2	24.5	0.57
A7	21 Apr 2026	4	15.34	90.29	8.7	33.38	8.2	24.6	0.94
A7	21 Apr 2026	5	15.15	89.52	8.4	33.37	8.1	24.7	1.81
A7	21 Apr 2026	6	14.75	87.57	8.2	33.38	8.1	24.8	3.45
A7	21 Apr 2026	7	14.68	86.08	7.9	33.37	8.1	24.8	5.20
A7	21 Apr 2026	8	14.25	85.08	7.5	33.40	8.1	24.9	4.68
A7	21 Apr 2026	9	13.94	85.40	7.0	33.40	8.0	25.0	3.43
A7	21 Apr 2026	10	13.50	87.54	6.6	33.42	8.0	25.1	2.50
A7	21 Apr 2026	11	13.26	89.24	6.3	33.42	8.0	25.1	2.25
A7	21 Apr 2026	12	13.14	90.10	6.1	33.42	7.9	25.1	2.01
A7	21 Apr 2026	13	12.93	91.06	5.9	33.43	7.9	25.2	2.02
A7	21 Apr 2026	14	12.73	91.29	5.7	33.44	7.9	25.2	1.91
A7	21 Apr 2026	15	12.70	91.41	5.6	33.44	7.9	25.2	1.86
A7	21 Apr 2026	16	12.68	92.05	5.5	33.44	7.9	25.2	1.81
A7	21 Apr 2026	17	12.65	92.46	5.4	33.44	7.9	25.3	1.57
A7	21 Apr 2026	18	12.64	92.91	5.4	33.44	7.9	25.3	1.41
A7	28 Apr 2026	1	14.45	88.60	6.9	33.47	8.0	24.9	0.82
A7	28 Apr 2026	2	13.25	89.15	6.4	33.56	8.0	25.2	0.88
A7	28 Apr 2026	3	12.37	88.54	5.6	33.49	7.9	25.3	1.40
A7	28 Apr 2026	4	12.12	91.43	5.2	33.50	7.8	25.4	1.13
A7	28 Apr 2026	5	11.93	94.15	4.8	33.53	7.8	25.5	0.59
A7	28 Apr 2026	6	11.85	96.31	4.6	33.53	7.8	25.5	0.39
A7	28 Apr 2026	7	11.70	96.80	4.5	33.56	7.8	25.5	0.37
A7	28 Apr 2026	8	11.64	96.99	4.4	33.57	7.8	25.5	0.36
A7	28 Apr 2026	9	11.65	96.81	4.4	33.57	7.8	25.5	0.37
A7	28 Apr 2026	10	11.62	96.64	4.3	33.58	7.8	25.6	0.34
A7	28 Apr 2026	11	11.64	96.27	4.3	33.58	7.8	25.6	0.33
A7	28 Apr 2026	12	11.61	96.07	4.2	33.59	7.8	25.6	0.33
A7	28 Apr 2026	13	11.61	95.28	4.1	33.60	7.8	25.6	0.30
A7	28 Apr 2026	14	11.61	95.32	4.1	33.60	7.8	25.6	0.32
A7	28 Apr 2026	15	11.58	95.04	4.1	33.60	7.8	25.6	0.30
A7	28 Apr 2026	16	11.58	94.98	4.1	33.60	7.8	25.6	0.31
A7	28 Apr 2026	17	11.57	94.96	4.1	33.60	7.8	25.6	0.32
A7	28 Apr 2026	18	11.57	94.93	4.1	33.60	7.8	25.6	0.33
A7	28 Apr 2026	19	11.58	94.94	4.1	33.60	7.8	25.6	0.31
A7	28 Apr 2026	20	11.58	94.97	4.0	33.60	7.8	25.6	0.30
C5	06 Apr 2026	1	17.30	92.27	8.0	33.32	8.0	24.2	0.90
C5	06 Apr 2026	2	17.28	92.07	8.0	33.32	8.0	24.2	0.93
C5	06 Apr 2026	3	17.23	92.18	7.9	33.33	8.0	24.2	0.98
C5	06 Apr 2026	4	16.85	92.10	7.7	33.35	8.0	24.3	1.00
C5	06 Apr 2026	5	16.04	92.43	7.5	33.38	8.0	24.5	1.01
C5	06 Apr 2026	6	15.80	93.22	7.4	33.36	7.9	24.5	0.87
C5	06 Apr 2026	7	15.52	93.50	7.3	33.36	7.9	24.6	0.96
C5	06 Apr 2026	8	15.07	93.61	7.0	33.38	7.9	24.7	0.90
C5	06 Apr 2026	9	14.65	93.91	6.8	33.39	7.9	24.8	0.72
C5	06 Apr 2026	10	14.22	94.35	6.4	33.41	7.9	24.9	0.55
C5	06 Apr 2026	11	13.49	94.79	6.0	33.44	7.8	25.1	0.42

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
C5	14 Apr 2026	1	17.84	76.16	7.2	33.37	8.1	24.1	0.97
C5	14 Apr 2026	2	17.76	75.65	7.2	33.36	8.1	24.1	0.90
C5	14 Apr 2026	3	17.12	76.54	7.3	33.33	8.1	24.2	1.21
C5	14 Apr 2026	4	15.77	77.26	7.3	33.35	8.1	24.5	4.08
C5	14 Apr 2026	5	15.36	76.46	7.2	33.36	8.1	24.6	6.96
C5	14 Apr 2026	6	15.17	75.91	7.0	33.34	8.1	24.7	7.53
C5	14 Apr 2026	7	14.95	77.61	6.6	33.33	8.0	24.7	6.67
C5	14 Apr 2026	8	14.74	81.29	6.3	33.34	8.0	24.7	4.21
C5	14 Apr 2026	9	14.67	84.99	6.3	33.34	8.0	24.8	1.66
C5	14 Apr 2026	10	14.66	84.52	6.3	33.34	8.0	24.8	1.49
C5	21 Apr 2026	1	17.41	87.50	8.6	33.38	8.2	24.2	0.41
C5	21 Apr 2026	2	17.43	90.03	8.6	33.38	8.2	24.2	0.40
C5	21 Apr 2026	3	17.25	90.42	8.6	33.38	8.2	24.2	0.41
C5	21 Apr 2026	4	16.41	90.30	8.9	33.39	8.2	24.4	0.49
C5	21 Apr 2026	5	16.18	89.68	8.7	33.38	8.2	24.5	0.78
C5	21 Apr 2026	6	15.92	90.75	8.6	33.38	8.2	24.5	0.77
C5	21 Apr 2026	7	15.85	90.60	8.7	33.38	8.2	24.5	0.96
C5	21 Apr 2026	8	15.76	89.66	8.7	33.38	8.2	24.6	1.36
C5	21 Apr 2026	9	14.79	89.06	8.0	33.52	8.1	24.9	1.48
C5	21 Apr 2026	10	13.33	91.27	6.4	33.51	8.0	25.2	0.51
C5	28 Apr 2026	1	15.85	83.67	6.8	33.46	8.0	24.6	0.31
C5	28 Apr 2026	2	15.49	83.39	6.7	33.49	8.0	24.7	0.35
C5	28 Apr 2026	3	13.78	83.16	6.4	33.52	8.0	25.1	0.69
C5	28 Apr 2026	4	12.89	83.29	5.7	33.51	7.9	25.3	3.29
C5	28 Apr 2026	5	12.62	83.93	5.3	33.47	7.9	25.3	1.57
C5	28 Apr 2026	6	12.46	88.67	5.3	33.47	7.9	25.3	1.54
C5	28 Apr 2026	7	12.51	89.26	5.2	33.46	7.8	25.3	1.39
C5	28 Apr 2026	8	12.43	91.53	5.2	33.47	7.8	25.3	1.41
C5	28 Apr 2026	9	12.40	92.02	5.1	33.47	7.8	25.3	1.14
C5	28 Apr 2026	10	12.39	92.38	5.1	33.47	7.8	25.3	1.15
C5	28 Apr 2026	11	12.38	92.58	5.2	33.47	7.8	25.3	1.11
A6	06 Apr 2026	1	17.57	92.96	8.1	33.31	8.0	24.1	0.79
A6	06 Apr 2026	2	17.54	92.98	8.0	33.32	8.0	24.1	0.80
A6	06 Apr 2026	3	17.18	92.94	8.0	33.34	8.0	24.2	0.80
A6	06 Apr 2026	4	16.52	92.98	7.9	33.35	8.0	24.4	1.08
A6	06 Apr 2026	5	16.29	92.70	7.8	33.34	8.0	24.4	1.51
A6	06 Apr 2026	6	16.07	92.08	7.7	33.34	8.0	24.5	1.68
A6	06 Apr 2026	7	15.62	92.02	7.6	33.35	8.0	24.6	1.60
A6	06 Apr 2026	8	15.25	92.34	7.4	33.36	7.9	24.7	1.42
A6	06 Apr 2026	9	14.69	92.82	7.1	33.38	7.9	24.8	1.21
A6	06 Apr 2026	10	14.42	93.81	6.8	33.38	7.9	24.8	0.90
A6	06 Apr 2026	11	14.12	94.47	6.6	33.39	7.9	24.9	0.68
A6	06 Apr 2026	12	13.71	94.89	6.4	33.41	7.8	25.0	0.62
A6	06 Apr 2026	13	13.29	94.99	6.1	33.42	7.8	25.1	0.62
A6	06 Apr 2026	14	12.98	95.27	5.9	33.42	7.8	25.2	0.71
A6	06 Apr 2026	15	12.84	95.45	5.8	33.42	7.8	25.2	0.76
A6	06 Apr 2026	16	12.77	95.69	5.7	33.42	7.8	25.2	0.69
A6	06 Apr 2026	17	12.72	95.85	5.7	33.43	7.8	25.2	0.66
A6	06 Apr 2026	18	12.71	95.86	5.6	33.43	7.8	25.2	0.66
A6	14 Apr 2026	1	17.64	67.80	8.6	33.37	8.2	24.1	1.46
A6	14 Apr 2026	2	17.55	71.76	8.6	33.37	8.2	24.1	1.48
A6	14 Apr 2026	3	16.84	79.30	9.1	33.37	8.2	24.3	2.16
A6	14 Apr 2026	4	16.12	81.28	9.3	33.36	8.2	24.5	6.32
A6	14 Apr 2026	5	15.82	76.45	9.2	33.35	8.2	24.5	9.42
A6	14 Apr 2026	6	15.55	72.04	8.9	33.35	8.2	24.6	10.20
A6	14 Apr 2026	7	14.97	71.63	8.2	33.36	8.2	24.7	10.54
A6	14 Apr 2026	8	14.47	72.17	7.5	33.36	8.1	24.8	9.40
A6	14 Apr 2026	9	14.25	74.68	7.2	33.36	8.0	24.9	7.23
A6	14 Apr 2026	10	13.77	77.24	6.6	33.36	8.0	25.0	7.87
A6	14 Apr 2026	11	13.46	78.51	6.0	33.36	8.0	25.0	8.05
A6	14 Apr 2026	12	13.25	79.94	5.7	33.37	7.9	25.1	9.64
A6	14 Apr 2026	13	13.23	79.49	5.5	33.37	7.9	25.1	11.19
A6	14 Apr 2026	14	13.23	79.47	5.4	33.37	7.9	25.1	11.66
A6	14 Apr 2026	15	13.21	78.43	5.4	33.37	7.9	25.1	11.31
A6	14 Apr 2026	16	13.05	78.31	5.2	33.39	7.9	25.1	10.49
A6	14 Apr 2026	17	12.74	79.48	5.1	33.41	7.9	25.2	4.61
A6	14 Apr 2026	18	12.56	84.79	5.0	33.42	7.9	25.3	1.19
A6	14 Apr 2026	19	12.58	92.36	4.9	33.42	7.8	25.3	0.83

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
A6	21 Apr 2026	1	18.06	88.62	8.8	33.40	8.2	24.0	0.65
A6	21 Apr 2026	2	17.95	88.57	8.7	33.38	8.2	24.0	0.66
A6	21 Apr 2026	3	16.30	88.49	8.9	33.38	8.2	24.4	0.75
A6	21 Apr 2026	4	15.75	88.91	8.9	33.38	8.2	24.6	0.99
A6	21 Apr 2026	5	14.92	88.91	8.7	33.39	8.2	24.7	1.46
A6	21 Apr 2026	6	14.45	87.86	8.5	33.38	8.1	24.8	2.86
A6	21 Apr 2026	7	14.51	86.54	8.3	33.37	8.1	24.8	3.58
A6	21 Apr 2026	8	14.40	86.13	8.3	33.38	8.1	24.9	3.69
A6	21 Apr 2026	9	14.29	86.44	8.2	33.38	8.1	24.9	3.61
A6	21 Apr 2026	10	14.18	87.18	8.0	33.39	8.1	24.9	3.44
A6	21 Apr 2026	11	14.06	88.03	7.7	33.39	8.1	24.9	2.84
A6	21 Apr 2026	12	13.83	90.24	7.3	33.40	8.1	25.0	2.56
A6	21 Apr 2026	13	13.86	91.23	7.2	33.41	8.0	25.0	2.08
A6	21 Apr 2026	14	13.61	91.87	6.8	33.41	8.0	25.0	1.95
A6	21 Apr 2026	15	13.32	92.74	6.4	33.44	8.0	25.1	1.74
A6	21 Apr 2026	16	13.01	92.97	6.1	33.45	8.0	25.2	1.71
A6	21 Apr 2026	17	13.05	93.10	5.9	33.44	8.0	25.2	1.75
A6	21 Apr 2026	18	12.82	93.09	5.8	33.45	7.9	25.2	1.70
A6	28 Apr 2026	1	15.19	87.16	7.2	33.46	8.1	24.7	0.67
A6	28 Apr 2026	2	14.78	87.97	7.0	33.52	8.0	24.9	0.67
A6	28 Apr 2026	3	13.12	84.19	6.4	33.53	8.0	25.2	4.08
A6	28 Apr 2026	4	12.53	77.07	5.8	33.54	7.9	25.4	6.08
A6	28 Apr 2026	5	12.47	89.15	5.2	33.49	7.8	25.3	1.26
A6	28 Apr 2026	6	12.12	92.39	5.0	33.52	7.8	25.4	1.29
A6	28 Apr 2026	7	12.12	93.17	4.8	33.51	7.8	25.4	0.70
A6	28 Apr 2026	8	11.97	93.52	4.7	33.54	7.8	25.5	0.76
A6	28 Apr 2026	9	11.86	95.29	4.6	33.55	7.8	25.5	0.61
A6	28 Apr 2026	10	11.86	95.28	4.5	33.55	7.8	25.5	0.50
A6	28 Apr 2026	11	11.80	95.29	4.4	33.56	7.8	25.5	0.50
A6	28 Apr 2026	12	11.77	95.33	4.4	33.57	7.8	25.5	0.44
A6	28 Apr 2026	13	11.76	95.23	4.3	33.57	7.8	25.5	0.43
A6	28 Apr 2026	14	11.72	95.22	4.3	33.58	7.8	25.5	0.42
A6	28 Apr 2026	15	11.70	95.19	4.3	33.58	7.8	25.5	0.38
A6	28 Apr 2026	16	11.66	95.00	4.2	33.59	7.8	25.6	0.37
A6	28 Apr 2026	17	11.65	94.81	4.1	33.59	7.8	25.6	0.34
A6	28 Apr 2026	18	11.65	94.70	4.1	33.59	7.8	25.6	0.34
A6	28 Apr 2026	19	11.65	94.67	4.1	33.59	7.8	25.6	0.32
C6	06 Apr 2026	1	17.76	91.75	8.2	33.32	8.0	24.0	1.07
C6	06 Apr 2026	2	17.59	91.80	8.1	33.33	8.0	24.1	1.09
C6	06 Apr 2026	3	17.34	91.58	7.8	33.33	8.0	24.1	0.88
C6	06 Apr 2026	4	16.82	92.18	7.6	33.35	8.0	24.3	0.51
C6	06 Apr 2026	5	15.93	93.14	7.5	33.39	8.0	24.5	0.38
C6	06 Apr 2026	6	15.44	92.58	7.4	33.38	7.9	24.6	0.51
C6	06 Apr 2026	7	15.05	93.31	7.2	33.36	7.9	24.7	0.60
C6	06 Apr 2026	8	14.52	93.67	6.9	33.38	7.9	24.8	0.62
C6	06 Apr 2026	9	14.05	94.05	6.7	33.42	7.9	25.0	0.45
C6	14 Apr 2026	1	18.17	80.45	7.4	33.38	8.2	24.0	0.42
C6	14 Apr 2026	2	18.11	80.41	7.6	33.38	8.2	24.0	0.42
C6	14 Apr 2026	3	17.59	80.38	8.3	33.37	8.2	24.1	0.87
C6	14 Apr 2026	4	16.46	80.49	9.4	33.36	8.2	24.4	3.30
C6	14 Apr 2026	5	15.69	76.20	9.4	33.36	8.2	24.6	8.14
C6	14 Apr 2026	6	15.19	71.25	8.9	33.35	8.2	24.7	12.07
C6	14 Apr 2026	7	15.07	69.77	8.1	33.34	8.2	24.7	10.46
C6	14 Apr 2026	8	14.60	74.74	6.9	33.35	8.1	24.8	4.78
C6	14 Apr 2026	9	14.44	81.07	6.3	33.35	8.0	24.8	2.09
C6	14 Apr 2026	10	14.41	86.07	6.2	33.35	8.0	24.8	1.21
C6	21 Apr 2026	1	17.64	88.79	8.6	33.39	8.2	24.1	0.53
C6	21 Apr 2026	2	17.74	88.87	8.6	33.39	8.2	24.1	0.55
C6	21 Apr 2026	3	17.14	87.83	8.6	33.39	8.2	24.2	0.53
C6	21 Apr 2026	4	16.10	88.72	8.8	33.40	8.2	24.5	1.05
C6	21 Apr 2026	5	15.80	87.91	8.7	33.39	8.2	24.6	1.77
C6	21 Apr 2026	6	15.51	85.69	8.7	33.39	8.2	24.6	4.19
C6	21 Apr 2026	7	15.24	84.86	8.6	33.39	8.2	24.7	4.27
C6	21 Apr 2026	8	14.72	86.78	7.8	33.48	8.1	24.9	2.55
C6	28 Apr 2026	1	15.50	85.01	6.7	33.45	8.0	24.7	0.50
C6	28 Apr 2026	2	15.07	84.54	6.6	33.51	8.0	24.8	0.48
C6	28 Apr 2026	3	13.20	83.65	6.4	33.56	8.0	25.2	0.81
C6	28 Apr 2026	4	12.73	83.77	5.7	33.50	7.9	25.3	3.84
C6	28 Apr 2026	5	12.61	85.21	5.2	33.49	7.9	25.3	1.47

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
C6	28 Apr 2026	6	12.55	89.79	5.0	33.48	7.8	25.3	0.84
C6	28 Apr 2026	7	12.51	92.85	4.9	33.48	7.8	25.3	0.65
C6	28 Apr 2026	8	12.48	93.29	4.8	33.48	7.8	25.3	0.65
C6	28 Apr 2026	9	12.49	93.41	4.7	33.49	7.8	25.3	0.49
C6	28 Apr 2026	10	12.50	92.84	4.7	33.49	7.8	25.3	0.43
C7	06 Apr 2026	1	17.73	91.18	8.2	33.32	8.0	24.0	1.09
C7	06 Apr 2026	2	17.72	91.21	8.2	33.32	8.0	24.1	1.09
C7	06 Apr 2026	3	17.63	91.00	8.2	33.32	8.0	24.1	1.12
C7	06 Apr 2026	4	17.45	90.74	8.1	33.32	8.0	24.1	1.28
C7	06 Apr 2026	5	17.07	91.06	8.1	33.32	8.0	24.2	1.39
C7	06 Apr 2026	6	16.81	91.07	8.0	33.32	8.0	24.3	1.87
C7	06 Apr 2026	7	16.58	90.60	7.9	33.32	8.0	24.3	2.48
C7	06 Apr 2026	8	16.19	90.30	7.8	33.33	8.0	24.4	2.47
C7	06 Apr 2026	9	15.66	90.33	7.7	33.33	8.0	24.5	2.41
C7	06 Apr 2026	10	14.97	90.47	7.6	33.35	8.0	24.7	2.33
C7	06 Apr 2026	11	14.69	90.94	7.4	33.34	7.9	24.8	2.02
C7	06 Apr 2026	12	14.58	91.65	7.2	33.34	7.9	24.8	1.45
C7	06 Apr 2026	13	14.49	92.38	7.0	33.34	7.9	24.8	1.20
C7	06 Apr 2026	14	14.36	92.80	6.9	33.35	7.9	24.8	1.02
C7	06 Apr 2026	15	14.01	92.93	6.6	33.35	7.9	24.9	1.05
C7	06 Apr 2026	16	13.20	93.20	6.2	33.40	7.8	25.1	0.99
C7	06 Apr 2026	17	12.77	93.67	5.8	33.42	7.8	25.2	0.74
C7	06 Apr 2026	18	12.74	94.36	5.6	33.42	7.8	25.2	0.56
C7	14 Apr 2026	1	17.75	82.77	8.6	33.37	8.2	24.1	1.92
C7	14 Apr 2026	2	17.74	82.99	8.6	33.37	8.2	24.1	1.92
C7	14 Apr 2026	3	17.72	82.88	8.6	33.37	8.2	24.1	2.05
C7	14 Apr 2026	4	17.69	82.67	8.6	33.37	8.2	24.1	2.44
C7	14 Apr 2026	5	17.67	82.74	8.5	33.37	8.2	24.1	2.73
C7	14 Apr 2026	6	17.66	82.65	8.6	33.37	8.2	24.1	2.73
C7	14 Apr 2026	7	17.59	82.62	8.7	33.37	8.2	24.1	2.88
C7	14 Apr 2026	8	17.18	82.40	8.9	33.36	8.2	24.2	4.26
C7	14 Apr 2026	9	16.71	78.45	9.0	33.37	8.2	24.3	12.24
C7	14 Apr 2026	10	16.43	77.45	8.8	33.36	8.2	24.4	13.75
C7	14 Apr 2026	11	16.03	71.79	8.5	33.35	8.2	24.5	13.21
C7	14 Apr 2026	12	15.57	69.39	8.3	33.36	8.2	24.6	12.26
C7	14 Apr 2026	13	15.45	70.05	8.1	33.34	8.1	24.6	9.15
C7	14 Apr 2026	14	14.55	70.99	7.5	33.39	8.1	24.8	8.13
C7	14 Apr 2026	15	13.65	75.20	6.8	33.37	8.0	25.0	6.98
C7	14 Apr 2026	16	13.55	81.73	6.3	33.36	8.0	25.0	5.97
C7	14 Apr 2026	17	13.58	83.38	6.0	33.36	7.9	25.0	5.54
C7	14 Apr 2026	18	12.96	82.06	5.5	33.41	7.9	25.2	8.45
C7	21 Apr 2026	1	17.97	87.50	8.9	33.38	8.2	24.0	0.86
C7	21 Apr 2026	2	17.75	86.61	8.9	33.38	8.2	24.1	0.95
C7	21 Apr 2026	3	17.57	85.98	8.9	33.37	8.2	24.1	1.22
C7	21 Apr 2026	4	17.06	86.13	9.2	33.38	8.2	24.3	1.38
C7	21 Apr 2026	5	16.15	85.98	9.6	33.38	8.2	24.5	1.73
C7	21 Apr 2026	6	15.23	85.57	9.4	33.39	8.2	24.7	4.96
C7	21 Apr 2026	7	14.92	79.68	8.3	33.39	8.1	24.8	8.04
C7	21 Apr 2026	8	14.67	79.90	7.6	33.40	8.1	24.8	5.63
C7	21 Apr 2026	9	14.36	84.08	7.3	33.40	8.1	24.9	4.22
C7	21 Apr 2026	10	14.13	85.37	7.0	33.40	8.0	24.9	4.10
C7	21 Apr 2026	11	13.86	86.57	6.8	33.41	8.0	25.0	3.06
C7	21 Apr 2026	12	13.84	87.51	6.6	33.41	8.0	25.0	2.01
C7	21 Apr 2026	13	13.85	89.29	6.6	33.41	8.0	25.0	1.80
C7	21 Apr 2026	14	13.83	90.43	6.5	33.41	8.0	25.0	1.75
C7	21 Apr 2026	15	13.66	90.70	6.2	33.42	8.0	25.0	1.69
C7	21 Apr 2026	16	12.96	91.35	5.7	33.45	7.9	25.2	1.24
C7	21 Apr 2026	17	12.74	92.94	5.3	33.45	7.9	25.2	0.66
C7	21 Apr 2026	18	12.73	93.64	5.2	33.45	7.9	25.2	0.52
C7	28 Apr 2026	1	13.66	60.41	7.1	33.47	8.0	25.1	18.26
C7	28 Apr 2026	2	13.48	68.64	6.8	33.47	8.0	25.1	17.58
C7	28 Apr 2026	3	13.08	72.26	6.3	33.48	7.9	25.2	11.82
C7	28 Apr 2026	4	12.96	74.14	5.8	33.47	7.9	25.2	8.75
C7	28 Apr 2026	5	12.89	81.36	5.6	33.48	7.9	25.2	5.62
C7	28 Apr 2026	6	12.79	86.12	5.4	33.48	7.8	25.3	3.19
C7	28 Apr 2026	7	12.78	88.51	5.3	33.48	7.8	25.3	2.42
C7	28 Apr 2026	8	12.77	89.56	5.2	33.47	7.8	25.3	2.22
C7	28 Apr 2026	9	12.64	89.91	5.1	33.49	7.8	25.3	2.01
C7	28 Apr 2026	10	12.66	89.67	5.1	33.48	7.8	25.3	1.65
C7	28 Apr 2026	11	12.44	91.00	5.0	33.49	7.8	25.3	1.52

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
C7	28 Apr 2026	12	12.28	92.86	4.9	33.50	7.8	25.4	1.10
C7	28 Apr 2026	13	12.28	92.69	4.9	33.49	7.8	25.4	1.00
C7	28 Apr 2026	14	12.23	94.52	4.8	33.49	7.8	25.4	0.92
C7	28 Apr 2026	15	12.16	94.92	4.8	33.51	7.8	25.4	0.88
C7	28 Apr 2026	16	12.07	95.20	4.7	33.52	7.8	25.4	0.76
C7	28 Apr 2026	17	11.95	95.47	4.5	33.54	7.8	25.5	0.59
C7	28 Apr 2026	18	11.93	95.56	4.4	33.53	7.8	25.5	0.48
C7	28 Apr 2026	19	11.90	94.88	4.3	33.54	7.8	25.5	0.41
C8	06 Apr 2026	1	17.58	91.49	7.9	33.31	8.0	24.1	0.79
C8	06 Apr 2026	2	17.50	91.48	7.9	33.32	8.0	24.1	0.81
C8	06 Apr 2026	3	17.21	91.31	7.9	33.32	8.0	24.2	0.76
C8	06 Apr 2026	4	16.68	91.65	7.9	33.33	8.0	24.3	0.79
C8	06 Apr 2026	5	16.35	91.82	8.0	33.33	8.0	24.4	1.00
C8	06 Apr 2026	6	16.01	91.21	8.0	33.33	8.0	24.5	2.74
C8	06 Apr 2026	7	15.43	87.92	7.8	33.34	8.0	24.6	5.07
C8	06 Apr 2026	8	14.85	87.50	7.6	33.36	8.0	24.7	2.76
C8	06 Apr 2026	9	14.24	89.16	7.2	33.37	7.9	24.9	2.06
C8	06 Apr 2026	10	13.81	90.39	6.9	33.37	7.9	25.0	1.57
C8	06 Apr 2026	11	13.56	91.82	6.7	33.37	7.9	25.0	1.29
C8	06 Apr 2026	12	13.37	92.96	6.4	33.38	7.8	25.1	1.08
C8	06 Apr 2026	13	13.12	93.67	6.2	33.39	7.8	25.1	0.90
C8	06 Apr 2026	14	12.95	94.25	6.0	33.40	7.8	25.2	0.85
C8	06 Apr 2026	15	12.85	94.55	5.8	33.41	7.8	25.2	0.75
C8	06 Apr 2026	16	12.80	94.86	5.7	33.41	7.8	25.2	0.53
C8	06 Apr 2026	17	12.78	95.04	5.6	33.41	7.8	25.2	0.44
C8	06 Apr 2026	18	12.69	94.75	5.5	33.42	7.7	25.2	0.41
C8	06 Apr 2026	19	12.63	94.71	5.4	33.42	7.7	25.2	0.40
C8	14 Apr 2026	1	16.27	80.36	6.7	33.30	8.1	24.4	3.89
C8	14 Apr 2026	2	16.15	79.20	7.2	33.41	8.1	24.5	3.66
C8	14 Apr 2026	3	15.59	80.16	7.8	33.66	8.1	24.8	4.83
C8	14 Apr 2026	4	15.00	77.61	7.9	33.41	8.1	24.7	7.15
C8	14 Apr 2026	5	14.85	76.54	7.5	33.36	8.1	24.7	8.25
C8	14 Apr 2026	6	14.60	76.59	7.2	33.36	8.0	24.8	7.94
C8	14 Apr 2026	7	14.14	77.58	7.0	33.37	8.0	24.9	9.14
C8	14 Apr 2026	8	13.81	76.66	6.6	33.36	8.0	25.0	12.94
C8	14 Apr 2026	9	13.67	72.52	6.3	33.35	8.0	25.0	18.36
C8	14 Apr 2026	10	13.60	66.94	6.1	33.35	7.9	25.0	22.33
C8	14 Apr 2026	11	13.52	65.90	5.9	33.36	7.9	25.0	21.43
C8	14 Apr 2026	12	13.47	68.92	5.8	33.36	7.9	25.0	18.07
C8	14 Apr 2026	13	13.37	72.88	5.5	33.36	7.9	25.1	15.84
C8	14 Apr 2026	14	13.30	75.58	5.3	33.37	7.9	25.1	10.64
C8	14 Apr 2026	15	13.29	79.67	5.3	33.37	7.9	25.1	9.62
C8	14 Apr 2026	16	13.16	84.28	5.2	33.38	7.9	25.1	6.14
C8	14 Apr 2026	17	13.13	85.89	5.2	33.38	7.9	25.1	3.63
C8	14 Apr 2026	18	12.95	90.24	5.0	33.39	7.8	25.2	2.63
C8	14 Apr 2026	19	12.94	91.01	5.0	33.39	7.8	25.2	1.32
C8	14 Apr 2026	20	12.93	91.28	5.0	33.39	7.8	25.2	1.25
C8	21 Apr 2026	1	16.70	85.72	9.1	33.37	8.2	24.3	1.29
C8	21 Apr 2026	2	15.96	85.46	9.2	33.39	8.2	24.5	1.47
C8	21 Apr 2026	3	15.66	84.91	9.3	33.38	8.2	24.6	1.94
C8	21 Apr 2026	4	15.33	84.10	9.4	33.38	8.2	24.7	2.43
C8	21 Apr 2026	5	15.15	83.24	9.5	33.38	8.2	24.7	3.04
C8	21 Apr 2026	6	15.11	82.66	9.6	33.38	8.2	24.7	3.53
C8	21 Apr 2026	7	14.95	82.68	9.5	33.39	8.2	24.7	4.04
C8	21 Apr 2026	8	14.56	81.75	9.3	33.39	8.2	24.8	4.72
C8	21 Apr 2026	9	14.35	81.65	9.0	33.38	8.2	24.9	4.15
C8	21 Apr 2026	10	14.01	82.66	8.5	33.40	8.1	24.9	4.00
C8	21 Apr 2026	11	13.94	82.81	8.2	33.40	8.1	25.0	4.11
C8	21 Apr 2026	12	13.79	83.03	7.8	33.40	8.1	25.0	4.39
C8	21 Apr 2026	13	13.78	83.10	7.6	33.40	8.1	25.0	4.76
C8	21 Apr 2026	14	13.55	83.35	7.1	33.42	8.0	25.1	4.78
C8	21 Apr 2026	15	13.31	85.07	6.4	33.43	8.0	25.1	3.34
C8	21 Apr 2026	16	12.81	88.27	5.7	33.45	7.9	25.2	2.11
C8	21 Apr 2026	17	12.50	92.76	5.2	33.46	7.9	25.3	0.81
C8	21 Apr 2026	18	12.44	94.15	5.0	33.46	7.8	25.3	0.64
C8	21 Apr 2026	19	12.44	94.63	5.0	33.46	7.8	25.3	0.61
C8	28 Apr 2026	1	14.92	75.97	7.6	33.42	8.1	24.8	1.37
C8	28 Apr 2026	2	15.13	85.39	7.4	33.42	8.1	24.7	0.98
C8	28 Apr 2026	3	13.68	80.40	7.5	33.55	8.1	25.1	4.11
C8	28 Apr 2026	4	12.94	69.48	6.7	33.48	8.0	25.2	10.75

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
C8	28 Apr 2026	5	12.85	73.86	6.1	33.46	7.9	25.2	10.12
C8	28 Apr 2026	6	12.78	78.54	5.8	33.45	7.9	25.2	10.37
C8	28 Apr 2026	7	12.77	80.16	5.6	33.45	7.9	25.2	10.48
C8	28 Apr 2026	8	12.77	81.07	5.5	33.45	7.9	25.2	10.53
C8	28 Apr 2026	9	12.69	82.86	5.4	33.46	7.8	25.3	6.87
C8	28 Apr 2026	10	12.56	86.45	5.3	33.47	7.8	25.3	4.35
C8	28 Apr 2026	11	12.44	88.22	5.2	33.48	7.8	25.3	3.49
C8	28 Apr 2026	12	12.27	90.86	5.0	33.50	7.8	25.4	1.82
C8	28 Apr 2026	13	12.15	93.10	4.8	33.51	7.8	25.4	1.13
C8	28 Apr 2026	14	12.11	94.22	4.7	33.52	7.8	25.4	0.97
C8	28 Apr 2026	15	11.98	94.69	4.6	33.53	7.8	25.5	0.74
C8	28 Apr 2026	16	11.96	94.77	4.5	33.53	7.8	25.5	0.57
C8	28 Apr 2026	17	11.94	95.15	4.4	33.53	7.8	25.5	0.53
C8	28 Apr 2026	18	11.93	95.35	4.4	33.53	7.8	25.5	0.49
C8	28 Apr 2026	19	11.90	95.20	4.3	33.54	7.8	25.5	0.44
C8	28 Apr 2026	20	11.87	94.95	4.2	33.55	7.8	25.5	0.42

NA = not available

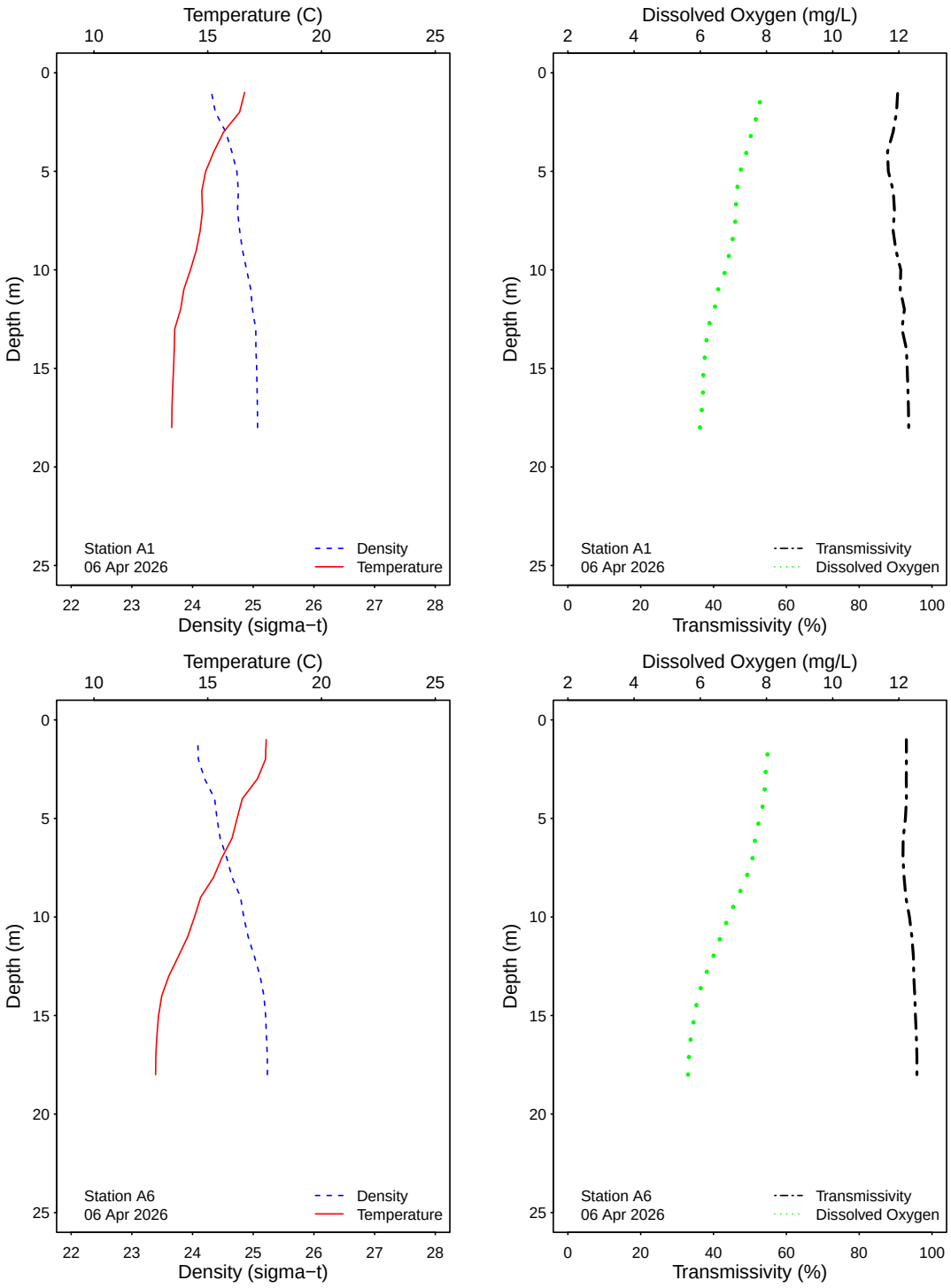

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

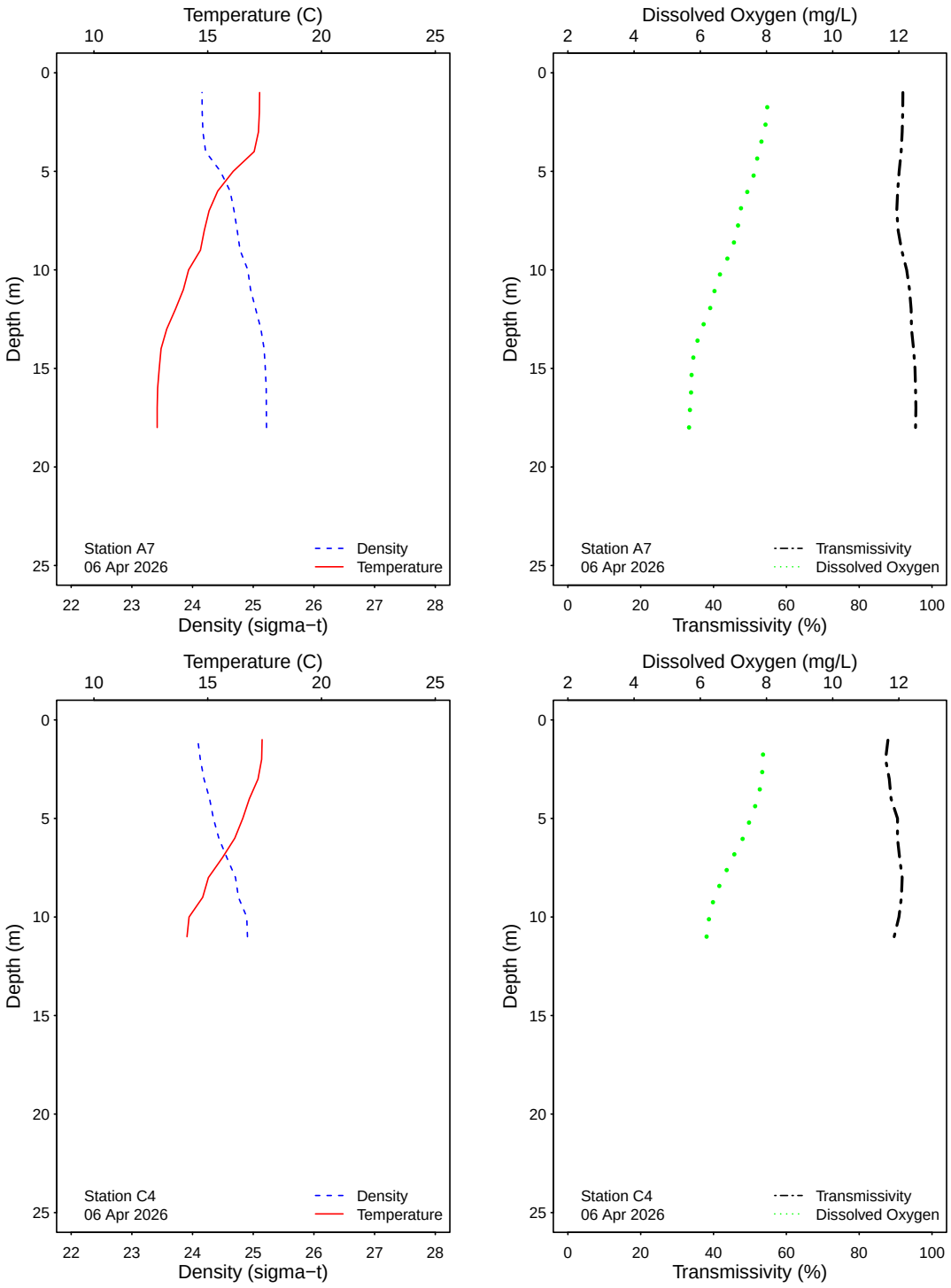

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

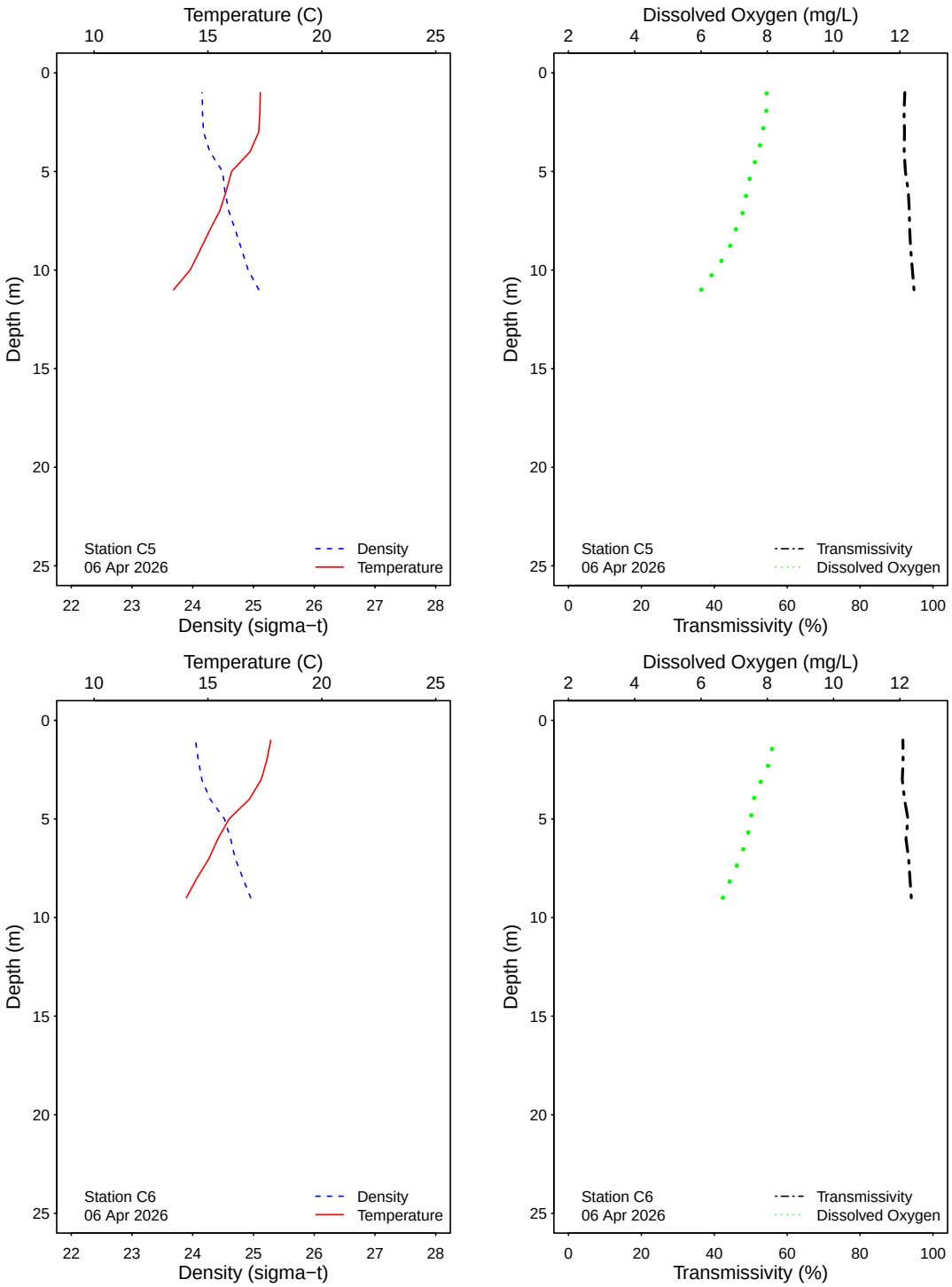

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

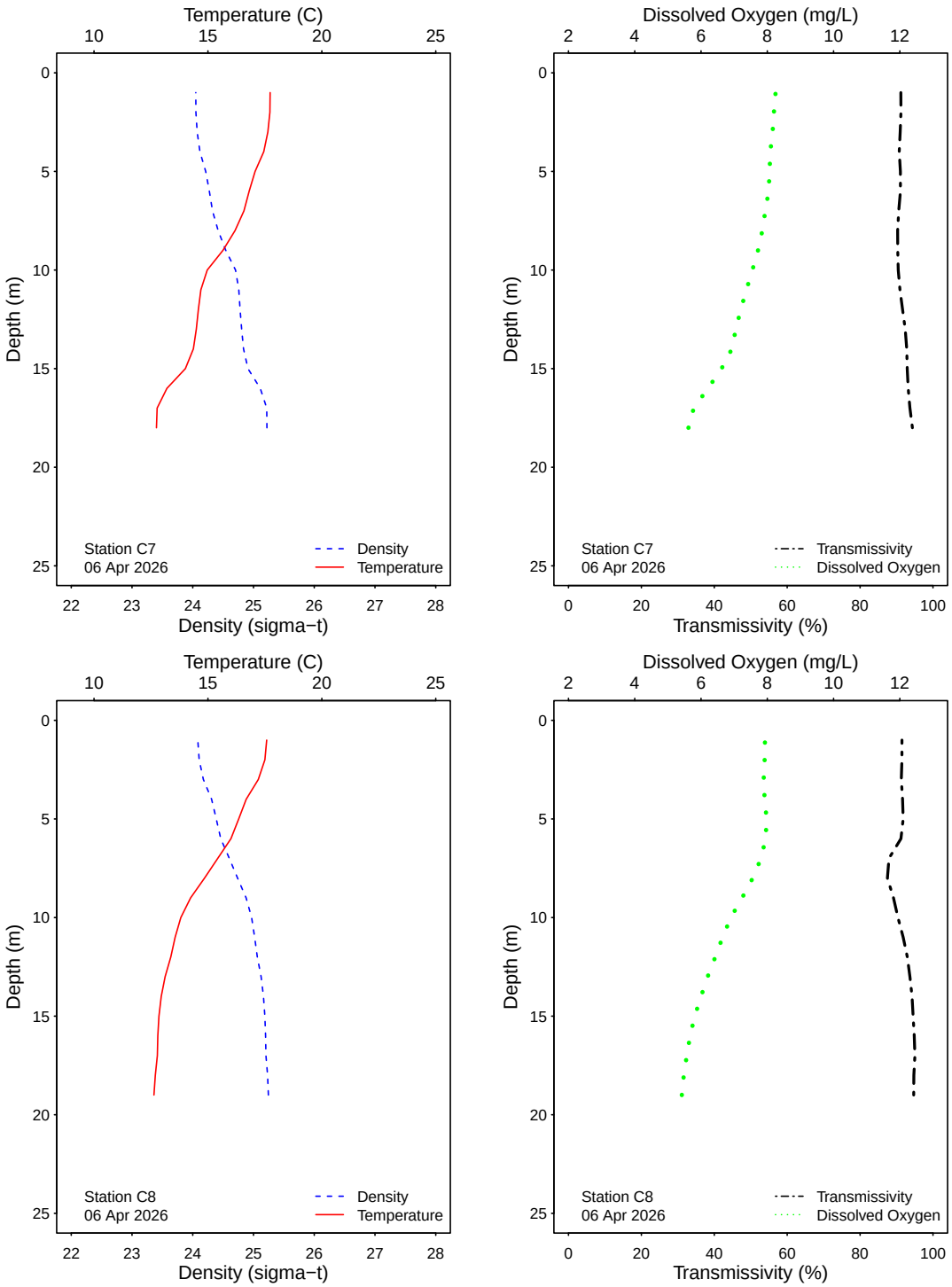

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

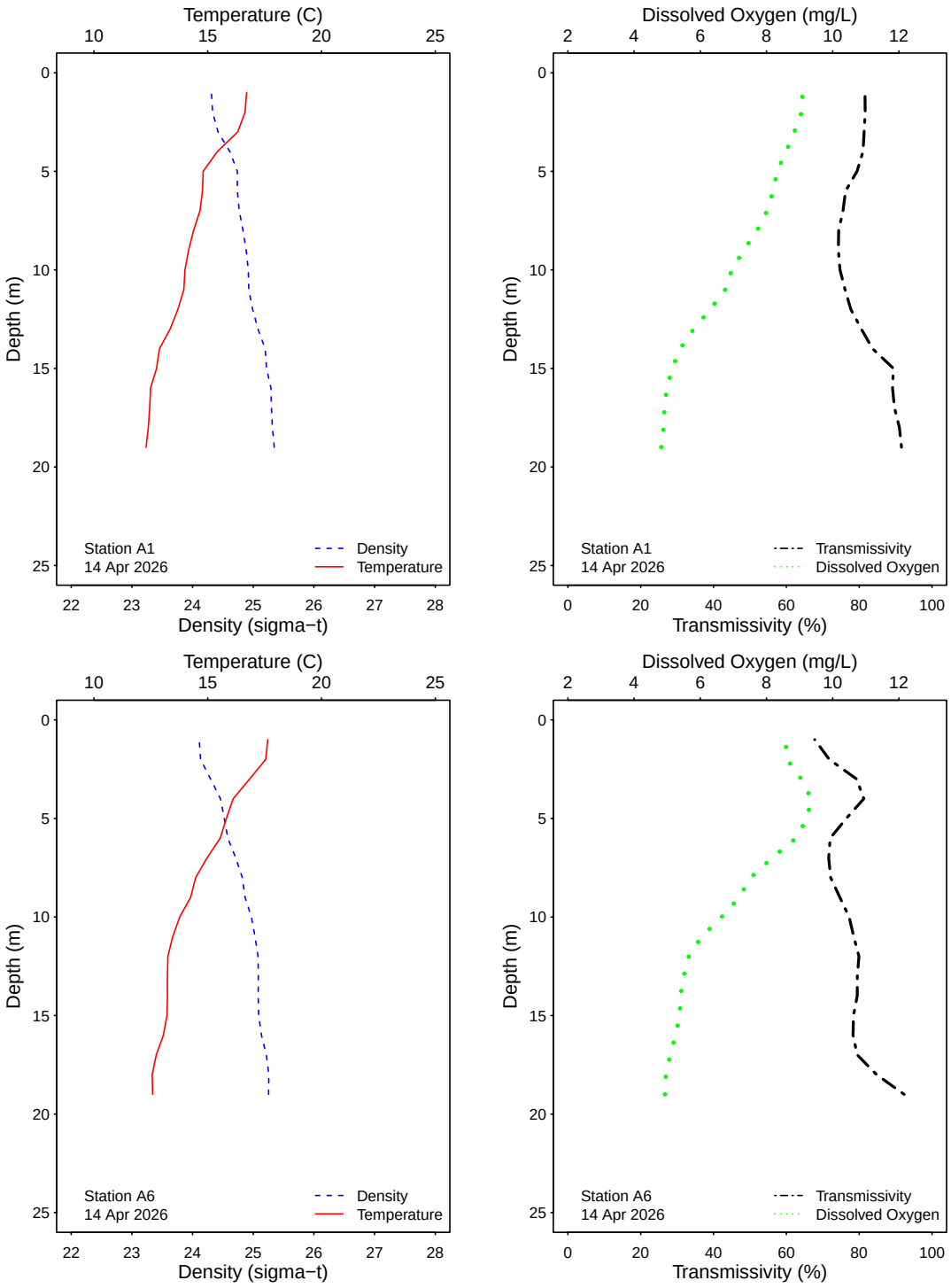

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

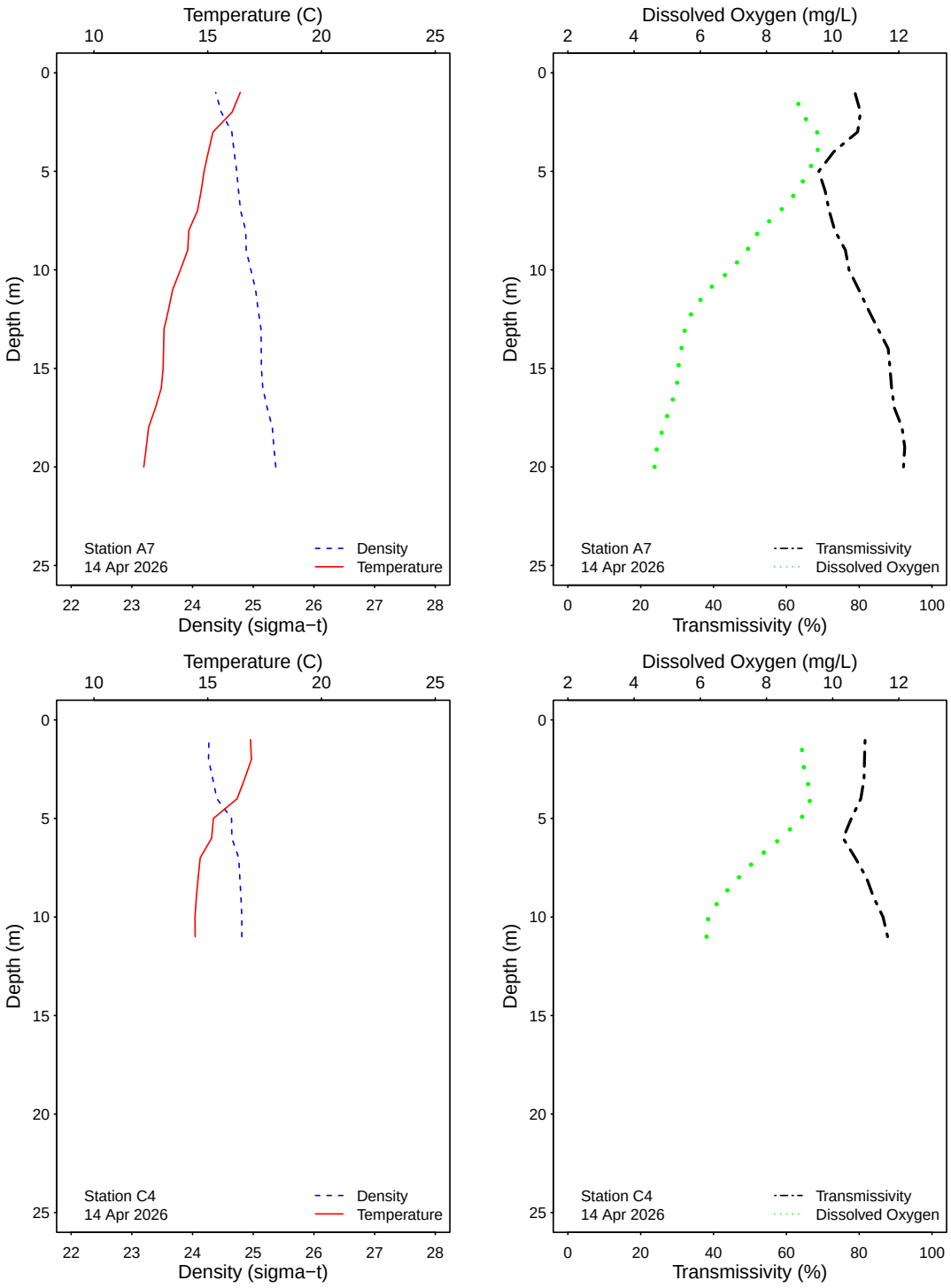

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

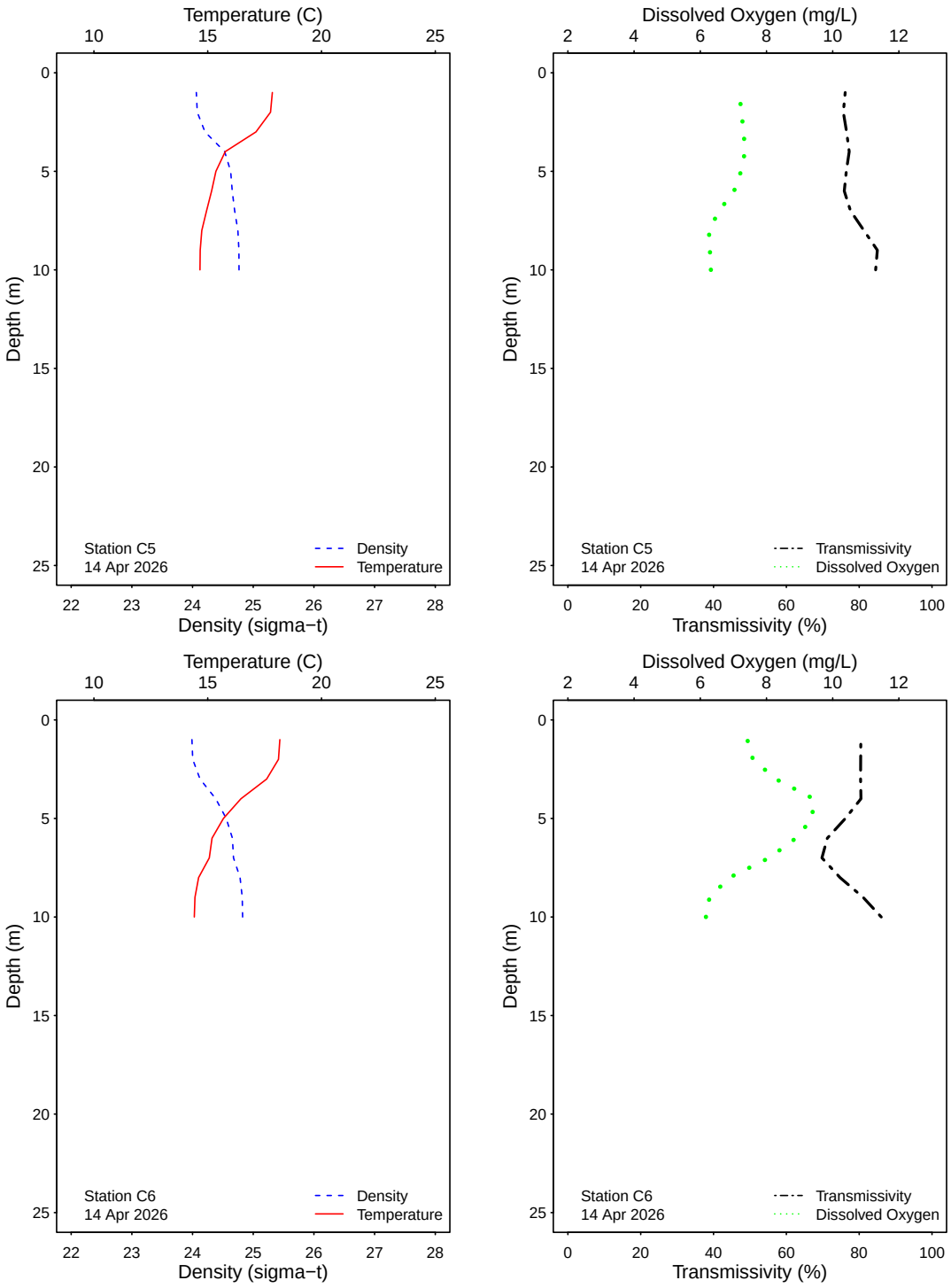

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

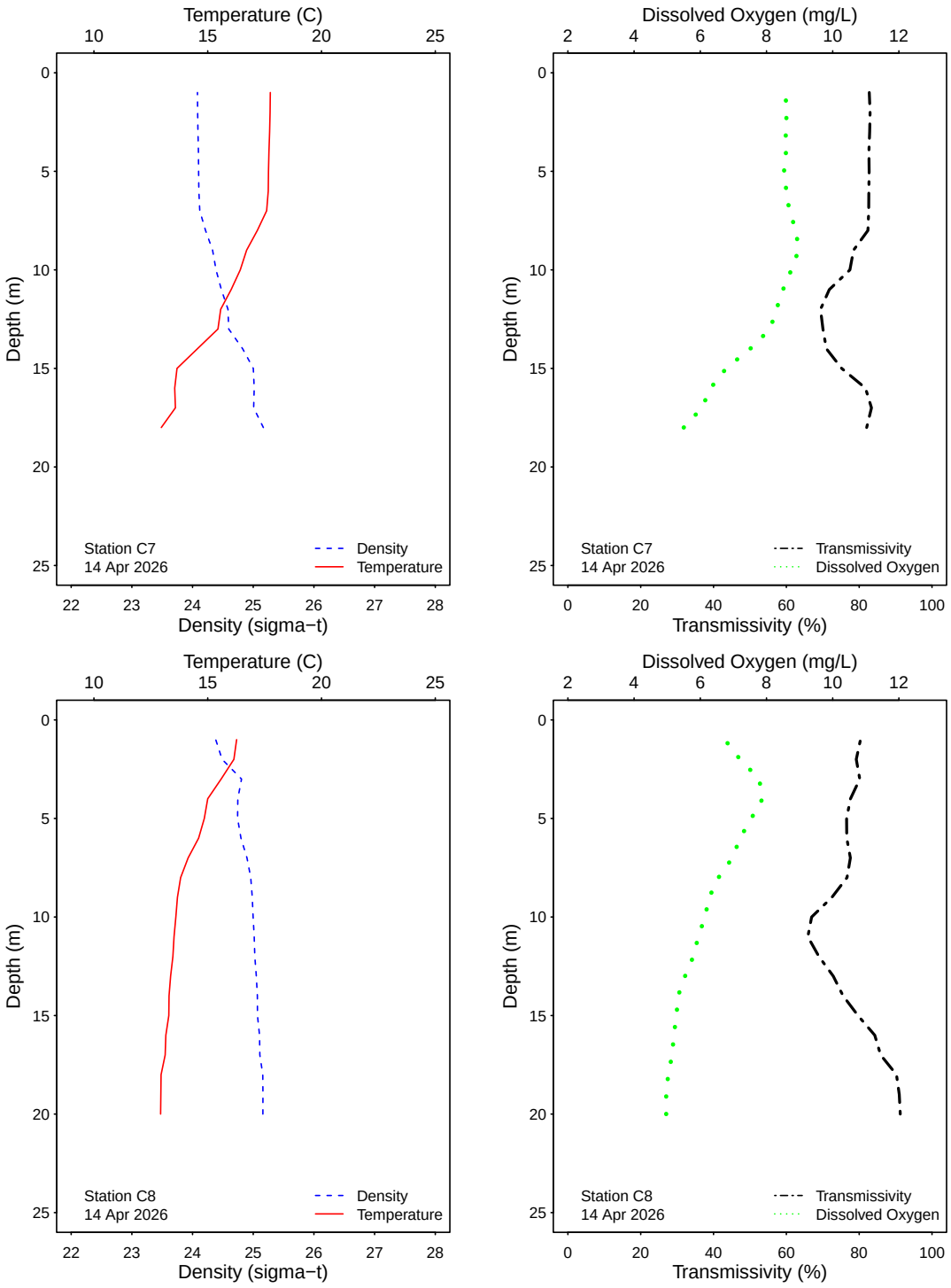

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

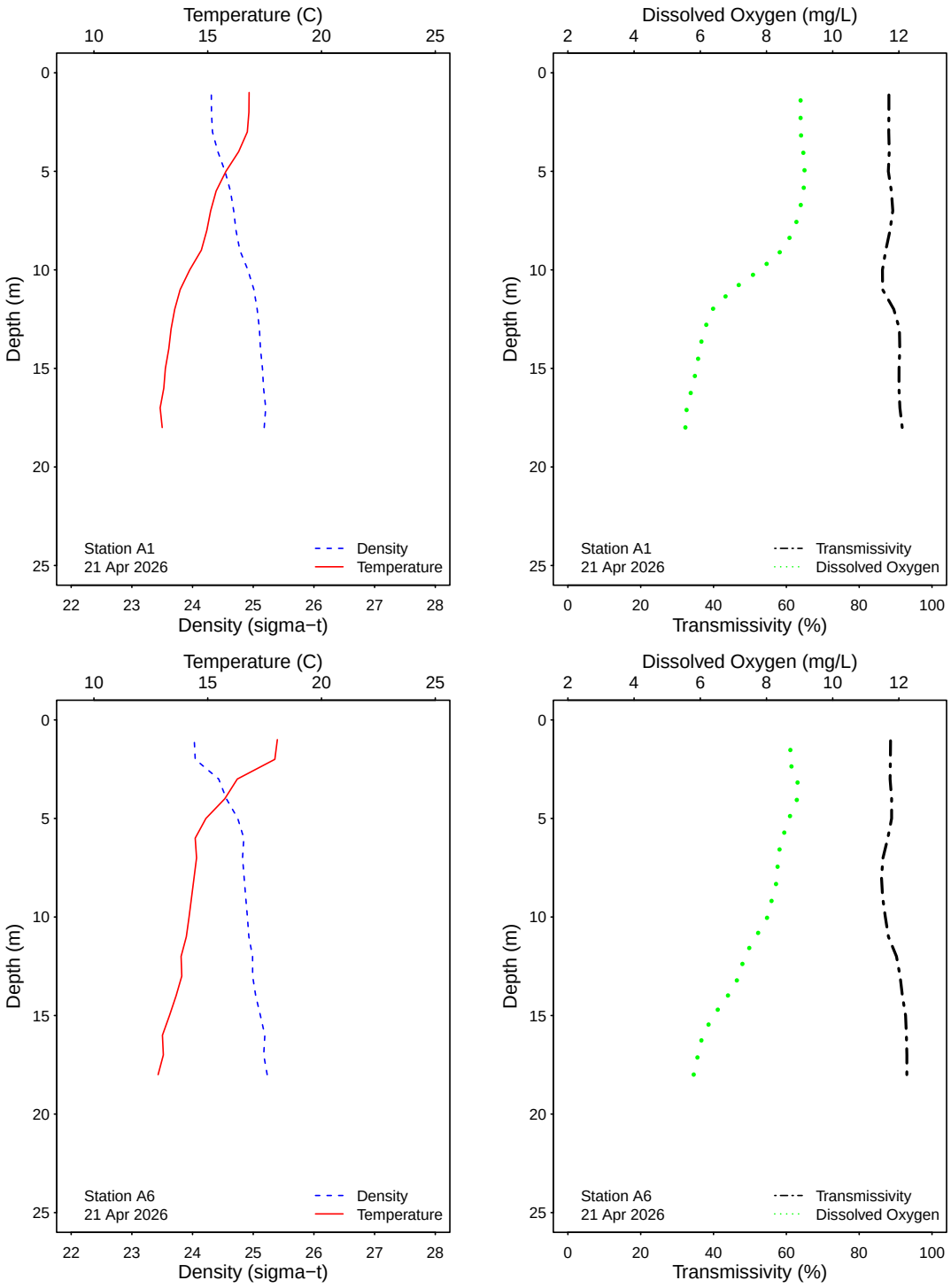

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

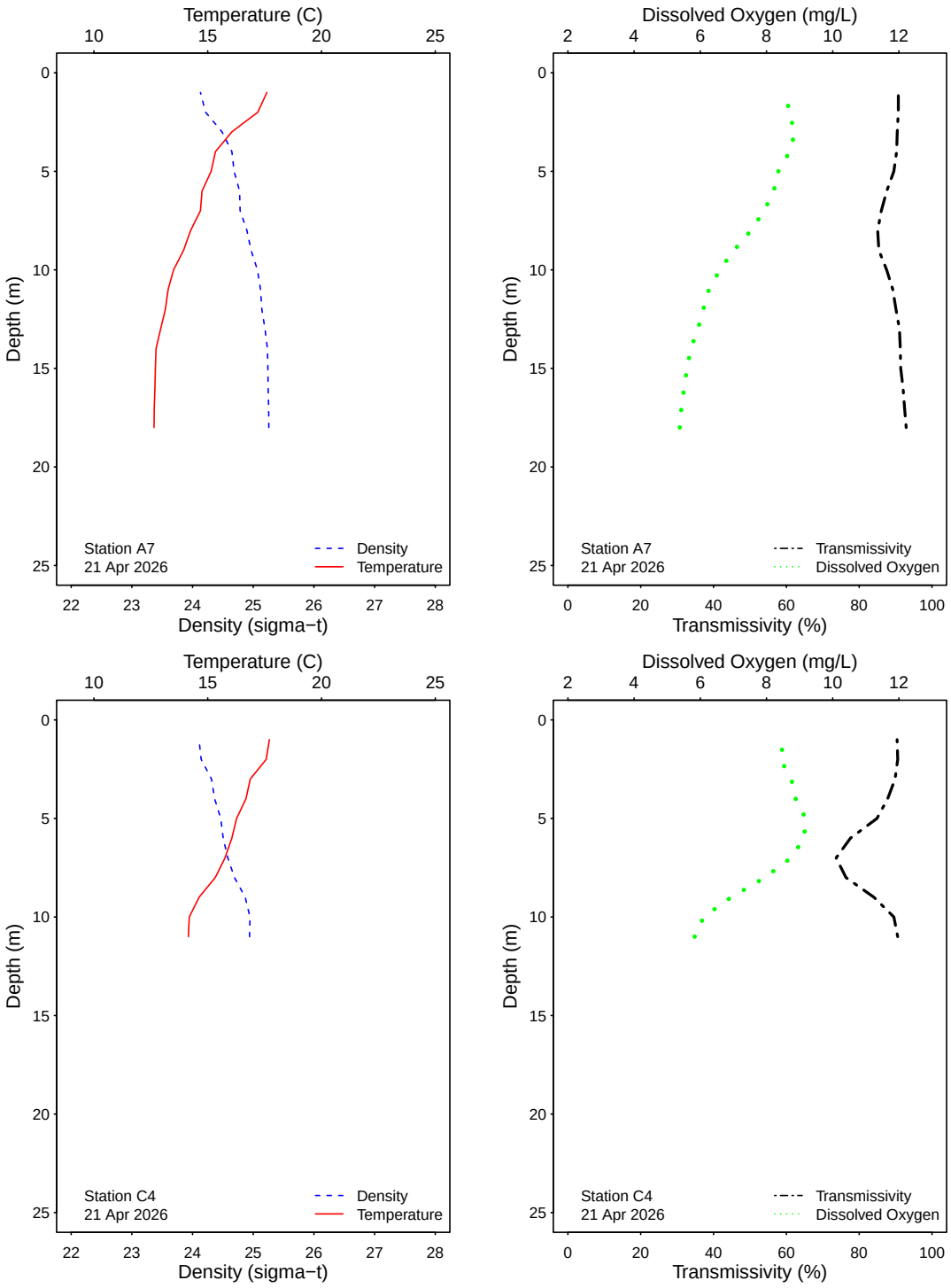

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

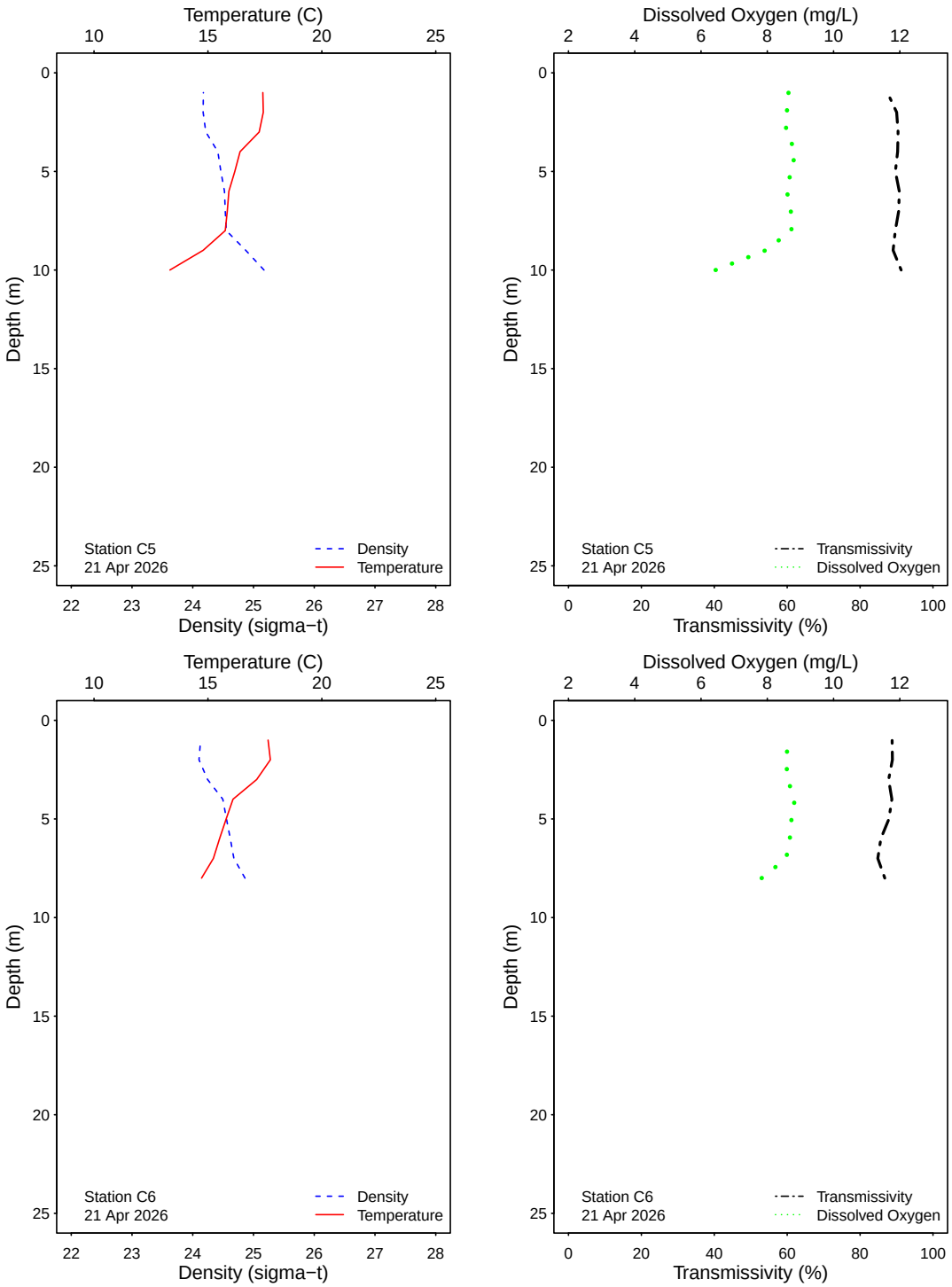

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

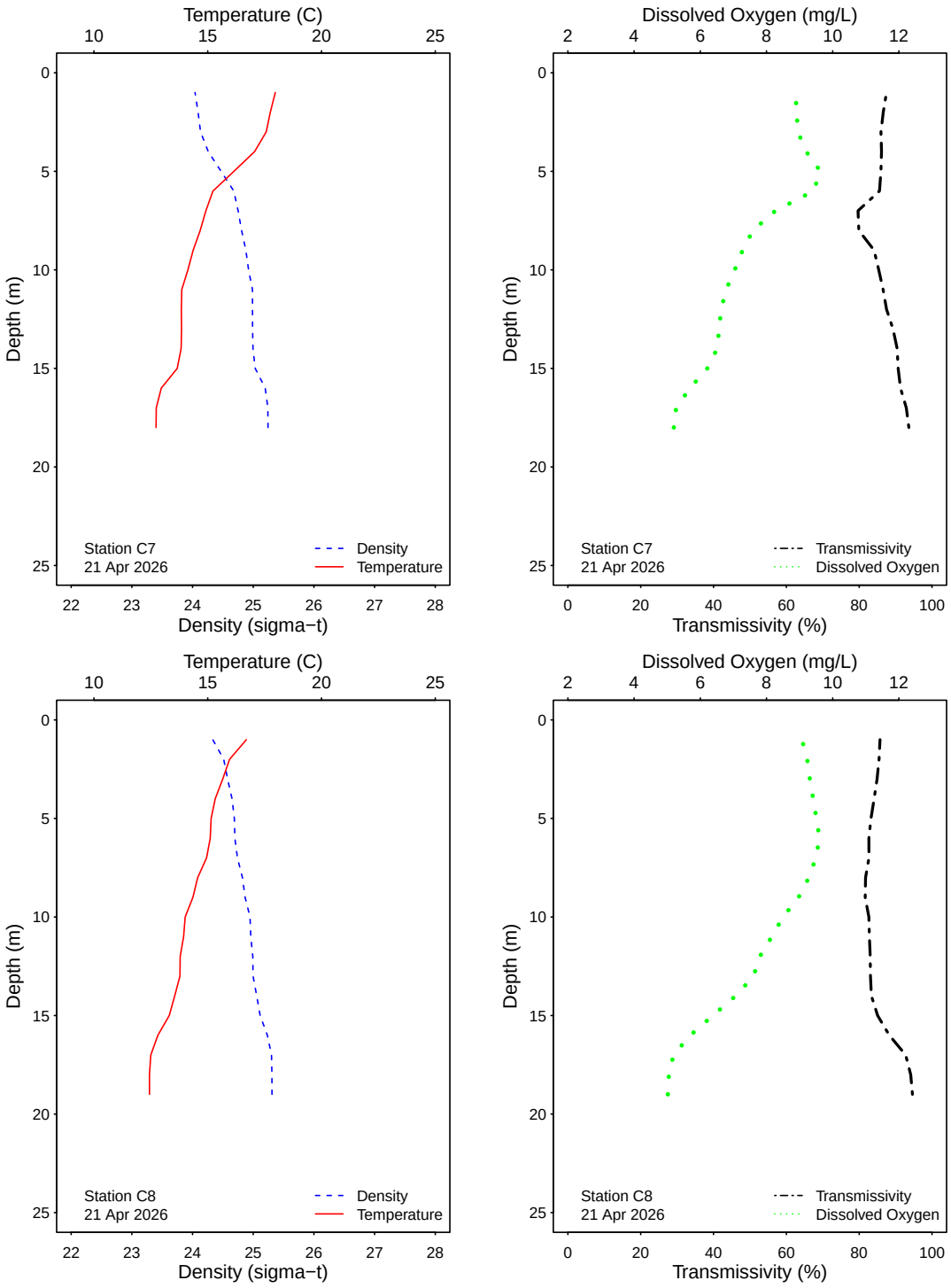

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

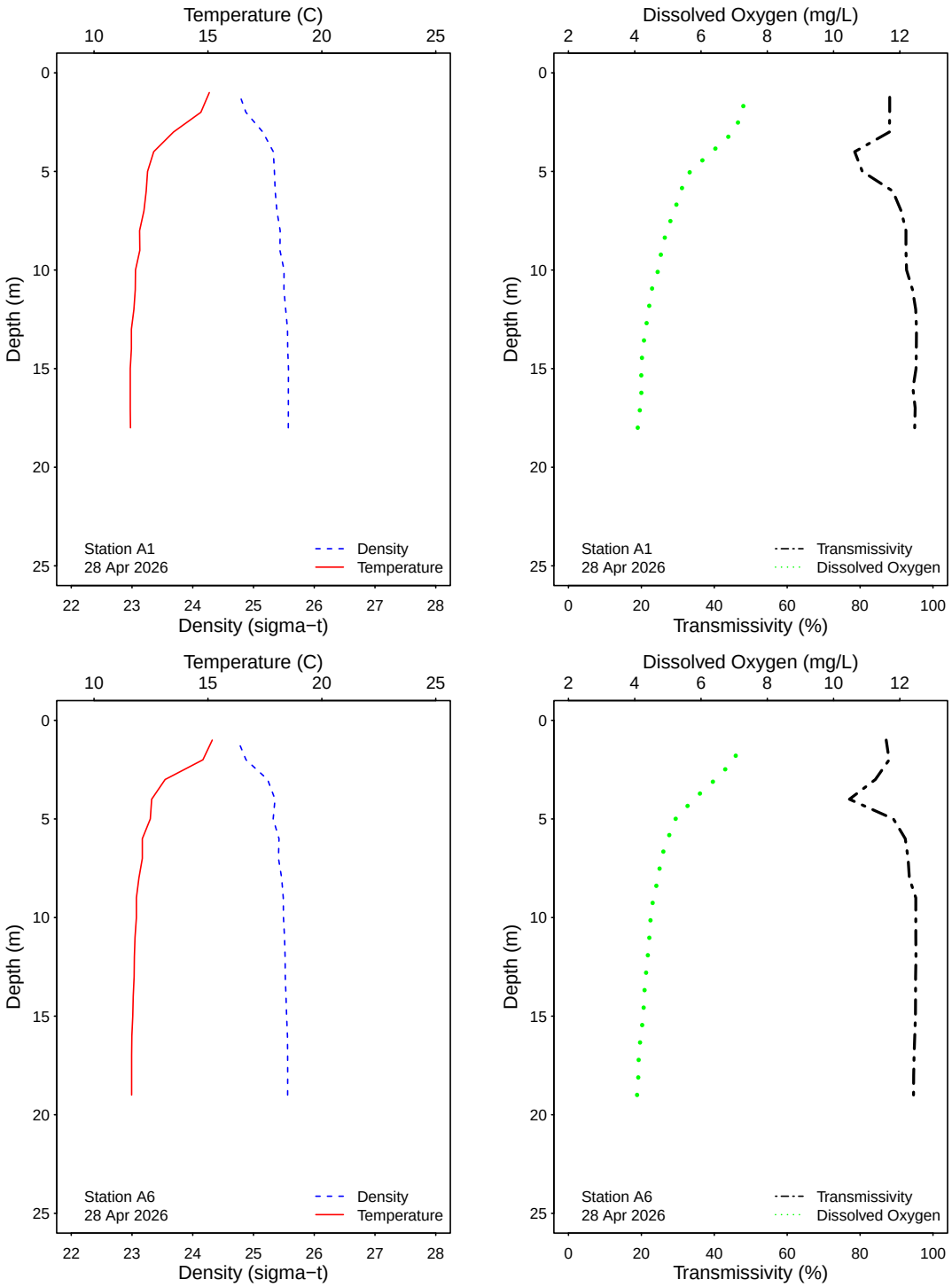

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

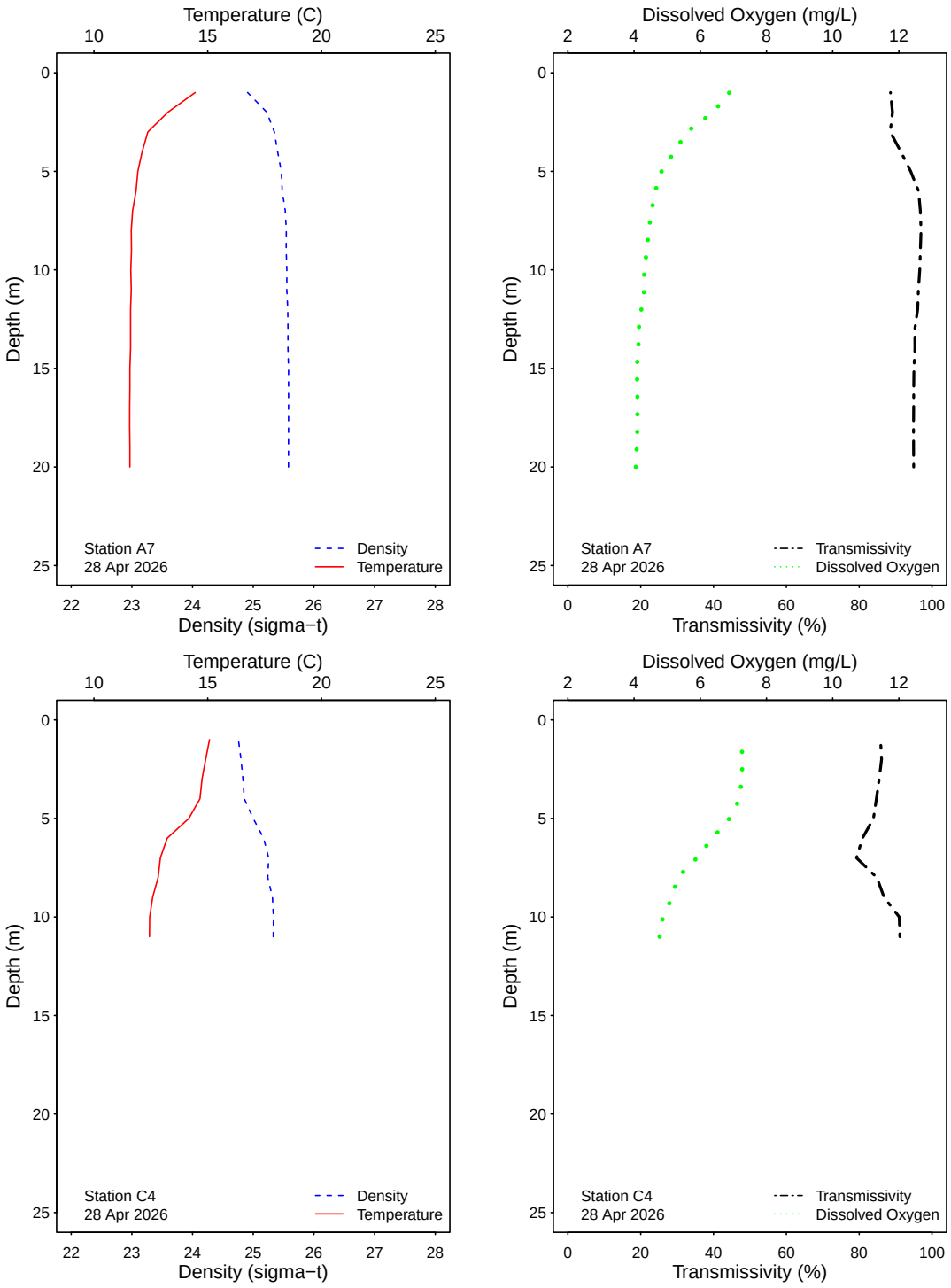

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

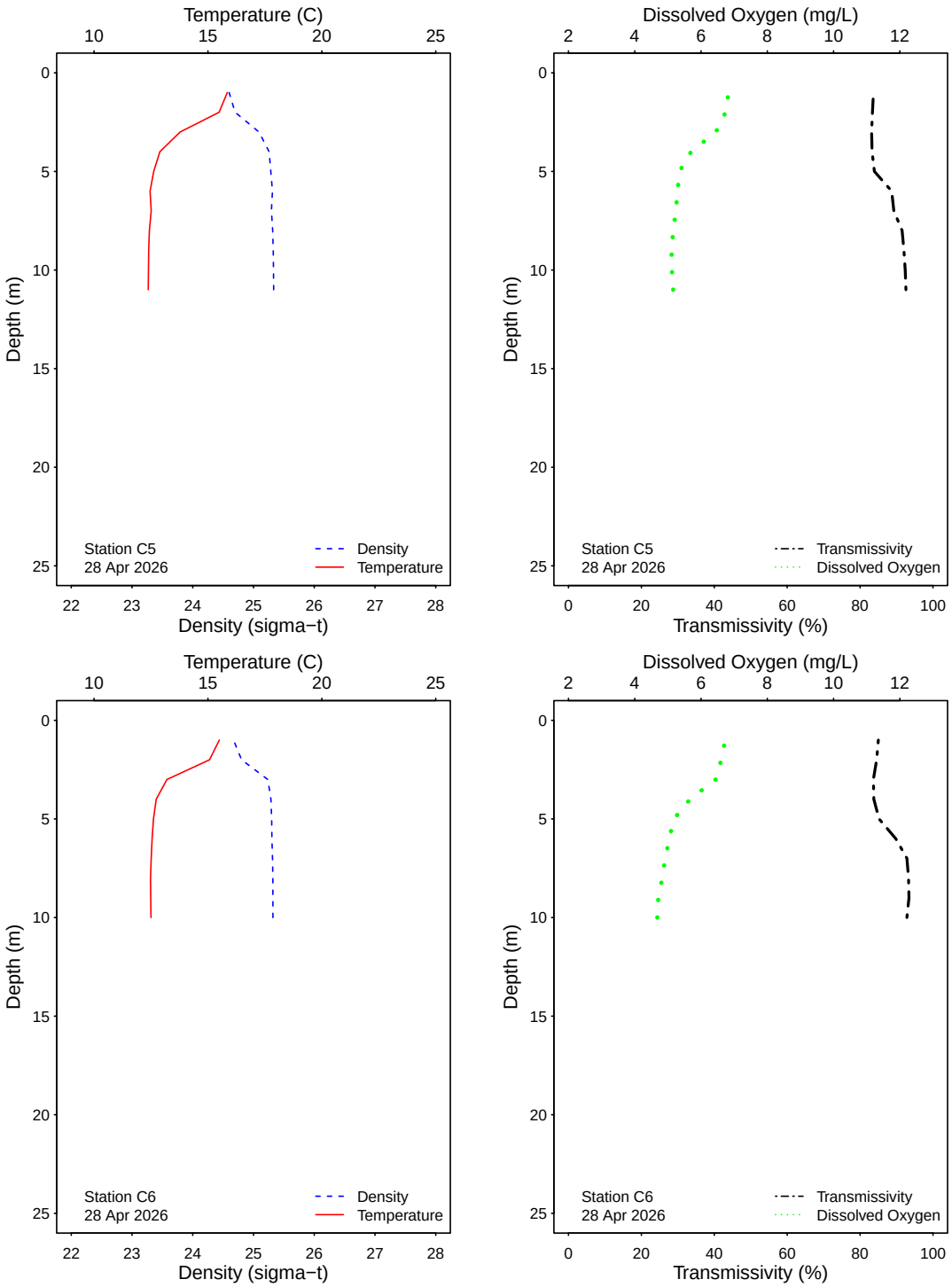

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

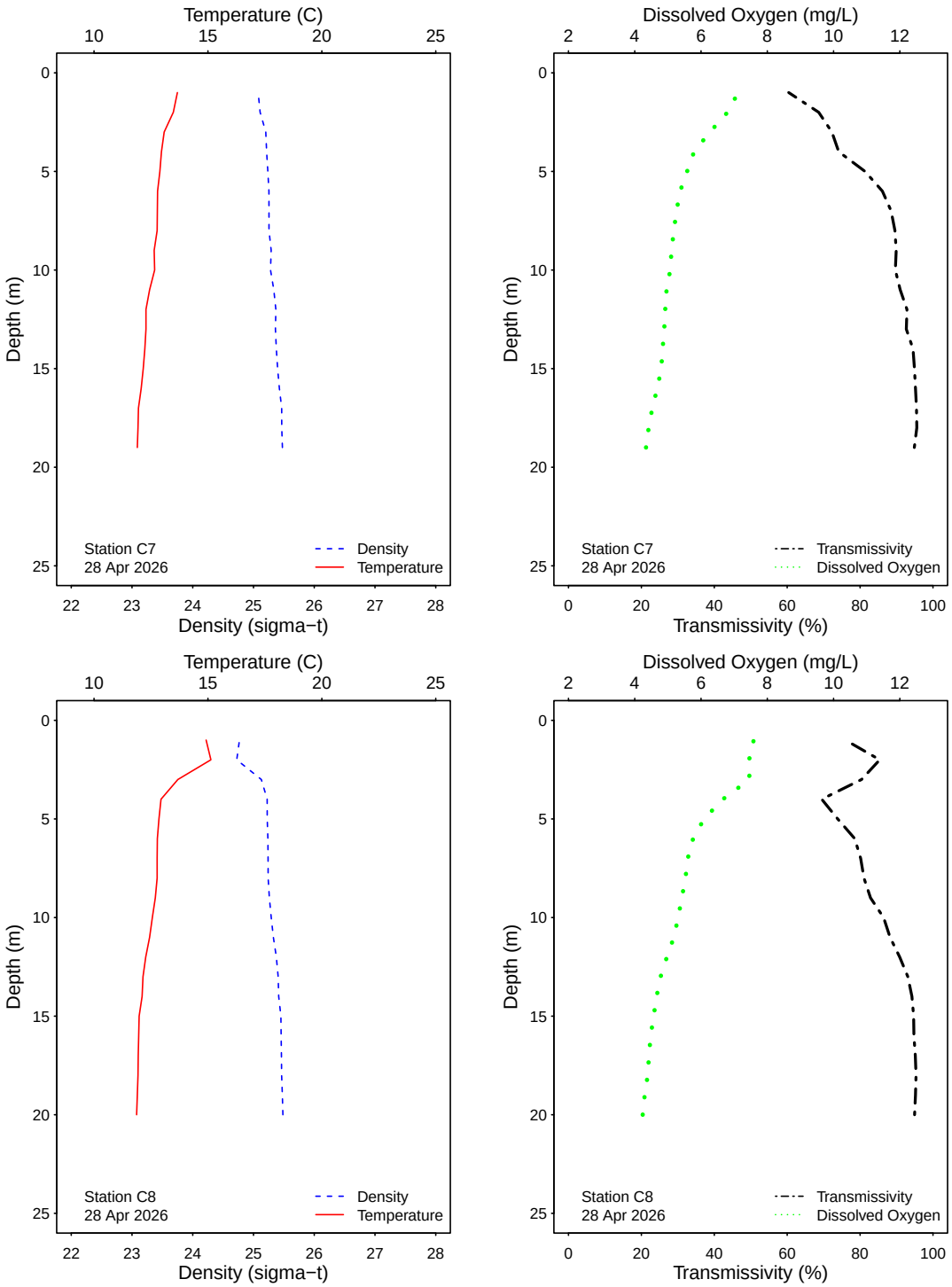

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

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APPENDIX A

Quality Assurance

Table A.1

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

Station	Date	Depth	Analyst	Procedure	Total	Fecal	Entero
A7	06 Apr 2026	18	JF	LAB DUPLICATE	18	2	2
A7	14 Apr 2026	18	SS	LAB DUPLICATE	90	14	2
A7	21 Apr 2026	18	KT	LAB DUPLICATE	2	2	2
A7	28 Apr 2026	18	KT	LAB DUPLICATE	52	2	2
C7	06 Apr 2026	18	JF	LAB DUPLICATE	12	2	2
C7	14 Apr 2026	18	SS	LAB DUPLICATE	4	4	2
C7	21 Apr 2026	18	KT	LAB DUPLICATE	2	2	2
C7	28 Apr 2026	18	KT	LAB DUPLICATE	28	4	2
C8	06 Apr 2026	12	JF	LAB DUPLICATE	8	2	2
C8	14 Apr 2026	12	SS	LAB DUPLICATE	6	2	2
C8	21 Apr 2026	12	KT	LAB DUPLICATE	2	2	2
C8	28 Apr 2026	12	KT	LAB DUPLICATE	10	4	2
D12	02 Apr 2026		SS	LAB DUPLICATE	4	2	2
D12	02 Apr 2026		SS	FIELD DUPLICATE	6	2	2
D12	08 Apr 2026		KT	LAB DUPLICATE	2	2	2
D12	08 Apr 2026		KT	FIELD DUPLICATE	2	2	2
D12	15 Apr 2026		ADG	LAB DUPLICATE	20	6	2
D12	15 Apr 2026		ADG	FIELD DUPLICATE	20	2	2
D12	22 Apr 2026		NCD	FIELD DUPLICATE	20	2	2
D12	22 Apr 2026		NCD	LAB DUPLICATE	20	2	2
D12	29 Apr 2026		SS	FIELD DUPLICATE	6	2	2
D12	29 Apr 2026		SS	LAB DUPLICATE	4	4	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 Apr 2026	2	2	3	9	4	6	13	3
02 Apr 2026	2	2	3	6	2	5	10	3
03 Apr 2026	2	2	3	6	2	5	10	3
04 Apr 2026	2	2	3	6	2	5	10	3
05 Apr 2026	2	2	3	6	2	5	10	3
06 Apr 2026	2	2	3	6	2	5	10	3
07 Apr 2026	2	2	3	6	2	5	10	3
08 Apr 2026	2	2	3	5	2	4	11	3
09 Apr 2026	2	2	3	5	2	4	11	3
10 Apr 2026	2	2	3	5	2	4	11	3
11 Apr 2026	2	2	3	5	2	4	11	3
12 Apr 2026	2	2	3	5	2	4	11	3
13 Apr 2026	2	2	3	5	2	4	11	3
14 Apr 2026	2	2	3	5	2	4	11	3
15 Apr 2026	2	2	3	5	2	4	14	3
16 Apr 2026	2	2	3	5	2	4	14	3
17 Apr 2026	2	2	3	5	2	4	14	3
18 Apr 2026	2	2	3	5	2	4	14	3
19 Apr 2026	2	2	3	5	2	4	14	3
20 Apr 2026	2	2	3	5	2	4	14	3
21 Apr 2026	2	2	3	5	2	4	14	3
22 Apr 2026	2	2	3	5	2	9	25	3
23 Apr 2026	2	2	3	5	2	9	25	3
24 Apr 2026	2	2	3	5	2	9	25	3
25 Apr 2026	2	2	3	5	2	9	25	3
26 Apr 2026	2	2	3	5	2	9	25	3
27 Apr 2026	2	2	3	5	2	9	25	3
28 Apr 2026	2	2	3	5	2	9	25	3
29 Apr 2026	2	2	2	3	2	10	20	2
30 Apr 2026	2	2	2	3	2	10	20	2

* 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
April	IC	IC	IC	IC	IC	**E**	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 Apr 2026	*4	*2	*2	*20	*17	*20	*51	*2
02 Apr 2026	6	2	2	20	20	20	40	2
03 Apr 2026	*4	*2	*11	*20	*18	*20	*60	*2
04 Apr 2026	*4	*2	*11	*20	*18	*20	*60	*2
05 Apr 2026	*4	*2	*11	*20	*18	*20	*60	*2
06 Apr 2026	*4	*2	*11	*20	*18	*20	*60	*2
07 Apr 2026	*4	*2	*11	*20	*18	*20	*60	*2
08 Apr 2026	2	2	2	20	14	20	**80**	2
09 Apr 2026	2	2	2	20	14	20	**80**	2
10 Apr 2026	*4	*2	*11	*32	*18	*20	*70	*2
11 Apr 2026	*4	*2	*11	*32	*18	*20	*70	*2
12 Apr 2026	*4	*2	*11	*32	*18	*20	*70	*2
13 Apr 2026	*4	*2	*11	*32	*18	*20	*70	*2
14 Apr 2026	*4	*2	*11	*32	*18	*20	*70	*2
15 Apr 2026	6	2	20	20	22	20	**100**	2
16 Apr 2026	6	2	20	20	22	20	**100**	2
17 Apr 2026	*13	*11	*11	*20	*21	*30	***200**	*3
18 Apr 2026	*13	*11	*11	*20	*21	*30	***200**	*3
19 Apr 2026	*13	*11	*11	*20	*21	*30	***200**	*3
20 Apr 2026	*13	*11	*11	*20	*21	*30	***200**	*3
21 Apr 2026	*13	*11	*11	*20	*21	*30	***200**	*3
22 Apr 2026	6	20	2	20	14	40	**200**	4
23 Apr 2026	6	20	2	20	14	40	**200**	4
24 Apr 2026	*11	*20	*11	*30	*20	*40	***150**	*12
25 Apr 2026	*11	*20	*11	*30	*20	*40	***150**	*12
26 Apr 2026	*11	*20	*11	*30	*20	*40	***150**	*12
27 Apr 2026	*11	*20	*11	*30	*20	*40	***150**	*12
28 Apr 2026	*11	*20	*11	*30	*20	*40	***150**	*12
29 Apr 2026	20	20	4	20	14	40	**100**	*12
30 Apr 2026	20	20	4	20	14	40	**100**	4

* 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
April	IC	IC	IC	IC	**E**	**E**	**E**	

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 Apr 2026	2	3	2	2	2	3	2	2
02 Apr 2026	2	3	2	2	2	2	2	2
03 Apr 2026	2	3	2	2	2	2	2	2
04 Apr 2026	2	3	2	2	2	2	2	2
05 Apr 2026	2	3	2	2	2	2	2	2
06 Apr 2026	2	3	2	2	2	2	2	2
07 Apr 2026	2	3	2	2	2	2	2	2
08 Apr 2026	2	3	2	2	2	2	2	2
09 Apr 2026	2	3	2	2	2	2	2	2
10 Apr 2026	2	3	2	2	2	2	2	2
11 Apr 2026	2	3	2	2	2	2	2	2
12 Apr 2026	2	3	2	2	2	2	2	2
13 Apr 2026	2	3	2	2	2	2	2	2
14 Apr 2026	2	3	2	2	2	2	2	2
15 Apr 2026	2	3	2	2	2	2	2	2
16 Apr 2026	2	3	2	2	2	2	2	2
17 Apr 2026	2	3	2	2	2	2	2	2
18 Apr 2026	2	3	2	2	2	2	2	2
19 Apr 2026	2	3	2	2	2	2	2	2
20 Apr 2026	2	3	2	2	2	2	2	2
21 Apr 2026	2	3	2	2	2	2	2	2
22 Apr 2026	2	3	2	2	2	2	2	2
23 Apr 2026	2	3	2	2	2	2	2	2
24 Apr 2026	2	3	2	2	2	2	2	2
25 Apr 2026	2	3	2	2	2	2	2	2
26 Apr 2026	2	3	2	2	2	2	2	2
27 Apr 2026	2	3	2	2	2	2	2	2
28 Apr 2026	2	2	2	2	2	2	2	2
29 Apr 2026	2	2	2	2	2	2	2	2
30 Apr 2026	2	2	2	2	2	2	2	2

* Geometric mean calculated using n<5

Table B.6

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
April	IC	IC	IC	IC	IC	IC	IC	IC

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

Table B.7

Summary of compliance with the Ocean Plan's 30-day Median" standard for total coliform bacteria at the PLOO kelp stations. Data are based on the median of the five most recent samples from each site over the previous 30 days unless otherwise noted (*). Values >70 CFU/100 mL exceed the standard.

	A1			A6			A7			C4			C5			C6			C7			C8		
Date	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 Apr 2026	2	2	4	2	2	2	2	8	14	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
02 Apr 2026	*2	*2	*3	*2	*2	*2	*2	*5	*8	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2
03 Apr 2026	*2	*2	*3	*2	*2	*2	*2	*5	*8	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2
04 Apr 2026	*2	*2	*3	*2	*2	*2	*2	*5	*8	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2
05 Apr 2026	*2	*2	*3	*2	*2	*2	*2	*5	*8	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2
06 Apr 2026	2	2	4	2	2	2	2	8	14	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
07 Apr 2026	2	2	4	2	2	2	2	8	14	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
08 Apr 2026	2	2	4	2	2	2	2	8	14	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
09 Apr 2026	*2	*2	*10	*2	*3	*9	*2	*10	*14	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*7	*2	*2	*2
10 Apr 2026	*2	*2	*10	*2	*3	*9	*2	*10	*14	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*7	*2	*2	*2
11 Apr 2026	*2	*2	*10	*2	*3	*9	*2	*10	*14	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*7	*2	*2	*2
12 Apr 2026	*2	*2	*10	*2	*3	*9	*2	*10	*14	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*7	*2	*2	*2
13 Apr 2026	*2	*2	*10	*2	*3	*9	*2	*10	*14	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*7	*2	*2	*2
14 Apr 2026	2	2	8	2	2	2	2	10	14	2	2	2	2	2	2	2	2	2	2	2	6	2	2	2
15 Apr 2026	2	2	8	2	2	2	2	10	14	2	2	2	2	2	2	2	2	2	2	2	6	2	2	2
16 Apr 2026	*2	*3	*12	*2	*3	*9	*2	*11	*30	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*9	*2	*2	*2
17 Apr 2026	*2	*3	*12	*2	*3	*9	*2	*11	*30	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*9	*2	*2	*2
18 Apr 2026	*2	*3	*12	*2	*3	*9	*2	*11	*30	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*9	*2	*2	*2
19 Apr 2026	*2	*3	*12	*2	*3	*9	*2	*11	*30	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*9	*2	*2	*2
20 Apr 2026	*2	*3	*12	*2	*3	*9	*2	*11	*30	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*9	*2	*2	*2
21 Apr 2026	2	2	8	2	2	2	2	10	14	2	2	2	2	2	2	2	2	2	2	2	6	2	2	2
22 Apr 2026	2	2	8	2	2	2	2	10	14	2	2	2	2	2	2	2	2	2	2	2	6	2	2	2
23 Apr 2026	*2	*3	*12	*2	*3	*9	*2	*9	*30	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*9	*2	*2	*5
24 Apr 2026	*2	*3	*12	*2	*3	*9	*2	*9	*30	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*9	*2	*2	*5
25 Apr 2026	*2	*3	*12	*2	*3	*9	*2	*9	*30	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*9	*2	*2	*5
26 Apr 2026	*2	*3	*12	*2	*3	*9	*2	*9	*30	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*9	*2	*2	*5
27 Apr 2026	*2	*3	*12	*2	*3	*9	*2	*9	*30	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*9	*2	*2	*5
28 Apr 2026	2	4	16	2	4	16	2	10	46	2	2	2	2	2	2	*2	*2	*2	2	2	12	2	2	8
29 Apr 2026	*2	*3	*12	*2	*5	*9	*2	*14	*40	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*11	*4	*2	*8
30 Apr 2026	*2	*3	*12	*2	*5	*9	*2	*14	*40	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*11	*4	*2	*8

* Median calculated using n<5

Table B.8

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

	A1			A6			A7			C4			C5			C6			C7			C8		
Date	**1m**	**12m**	**18m**	**1m**	**12m**	**18m**	**1m**	**12m**	**18m**	**1m**	**3m**	**9m**	**1m**	**3m**	**9m**	**1m**	**3m**	**9m**	**1m**	**12m**	**18m**	**1m**	**12m**	**18m**
April	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