

POINT LOMA OCEAN OUTFALL MONTHLY RECEIVING WATERS MONITORING REPORT

POINT LOMA WASTEWATER TREATMENT PLANT

NPDES Permit No. CA0107409
SDRWQCB Order No. R9-2026-0002

JUNE 2026

Environmental Monitoring and Technical Services
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July 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 June 2026 Monthly Receiving Waters Monitoring Report for the Point Loma Ocean Outfall, Point Loma Wastewater Treatment Plant as required per Order No. R9-2026-0002, 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.

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

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;

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.

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

Quality controls of bacteriological data include laboratory and field duplicate analyses. Laboratory duplicates are performed on approximately 10% of the water quality samples, while field duplicates are performed six times a month (see Appendix A). Laboratory duplicates represent two aliquots of the original sample that are split in the laboratory and analyzed by the same analyst using identical procedures within the same analytical run. The results of these analyses provide a measure of intra-analyst precision. In contrast, field duplicates represent two separate samples collected at the same time from the same site, which are handled under identical circumstances and treated the same throughout field and lab procedures. The results of these analyses provide a measure of precision associated with sample collection, preservation, storage, and lab procedures. The sign test (see Gilbert, 1987²) is used to statistically compare both the results from the laboratory duplicates, as well as the results from the field duplicates. These data will be further analyzed in the City's 2026 Quality Assurance Report, which will be completed in March 2027.

SUMMARY OF RESULTS

Shore Stations

- The eight shore stations (D4, D5, D7, D8, D9, D10, D11, D12) were sampled on June 3, 10, 17, and 25.
- During the June reporting period, two of the eight shore stations was out of compliance with the various 2019 California Ocean Plan (Ocean Plan) water contact standards on one or more days as follows:
 - o The 6-week running geometric mean standard for *Enterococcus* was exceeded at station D11.
 - o The 30-day running median standard for total coliforms was exceeded at stations D10 and D11.
- A sewage-like odor was detected at station D11 on one or more days in June.
- Over the years, elevated bacteria levels at shore and kelp bed stations have tended to be associated with rainfall events, heavy recreational use, or the presence of seabirds or decaying kelp and surf grass. See the City of San Diego's most recent Biennial Receiving Waters Monitoring and Assessment Report for the Point Loma and South Bay Ocean Outfalls for details (<https://www.sandiego.gov/public-utilities/sustainability/ocean-monitoring/reports>).

Kelp Bed Stations

- The eight kelp bed water quality stations (A1, A6, A7, C4, C5, C6, C7, C8) were sampled on June 2, 9, 16, 24, and 29.
- During the June reporting period, each of the eight kelp stations was in compliance with the various 2019 California Ocean Plan (Ocean Plan) water contact standards.
- Water column temperatures ranged from 11.41 to 20.09°C. The difference between surface and bottom waters ranged from 1.19 to 6.76°C.

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

- Chlorophyll *a* concentrations ranged from 0.28 to 10.84 µg/L.
- Nothing of sewage origin was observed at PLOO kelp stations in June.

Offshore Stations

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



TABLES AND FIGURES

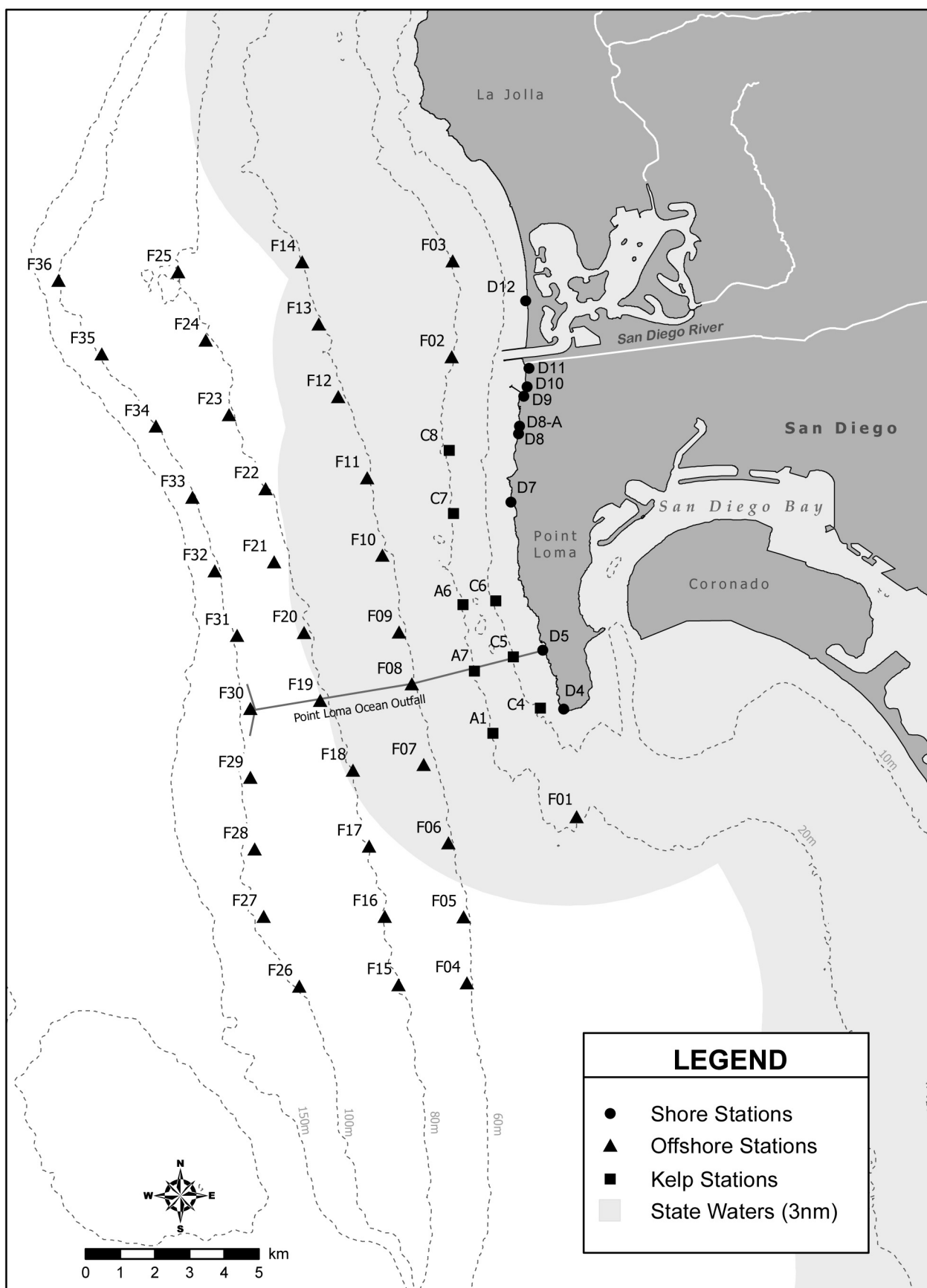


Figure 1.1 Station Map

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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 Jun 2026	*3	*3	*3	*9	*3	*9	*24	*5
02 Jun 2026	*3	*3	*3	*9	*3	*9	*24	*5
03 Jun 2026	3	3	3	10	3	9	17	5
04 Jun 2026	*3	*2	*2	*5	*3	*6	*15	*6
05 Jun 2026	*3	*2	*2	*5	*3	*6	*15	*6
06 Jun 2026	*3	*2	*2	*5	*3	*6	*15	*6
07 Jun 2026	*3	*2	*2	*5	*3	*6	*15	*6
08 Jun 2026	*3	*2	*2	*5	*3	*6	*15	*6
09 Jun 2026	*3	*2	*2	*5	*3	*6	*15	*6
10 Jun 2026	3	2	2	4	2	5	10	5
11 Jun 2026	3	2	2	4	2	5	10	5
12 Jun 2026	*2	*2	*2	*5	*2	*4	*9	*6
13 Jun 2026	*2	*2	*2	*5	*2	*4	*9	*6
14 Jun 2026	*2	*2	*2	*5	*2	*4	*9	*6
15 Jun 2026	*2	*2	*2	*5	*2	*4	*9	*6
16 Jun 2026	*2	*2	*2	*5	*2	*4	*9	*6
17 Jun 2026	2	3	2	6	2	6	11	5
18 Jun 2026	2	3	2	6	2	6	11	5
19 Jun 2026	*2	*3	*2	*8	*2	*7	*7	*5
20 Jun 2026	*2	*3	*2	*8	*2	*7	*7	*5
21 Jun 2026	*2	*3	*2	*8	*2	*7	*7	*5
22 Jun 2026	*2	*3	*2	*8	*2	*7	*7	*5
23 Jun 2026	*2	*3	*2	*8	*2	*7	*7	*5
24 Jun 2026	*2	*3	*2	*8	*2	*7	*7	*5
25 Jun 2026	2	3	2	8	2	8	7	4
26 Jun 2026	*2	*2	*2	*8	*2	*8	*6	*2
27 Jun 2026	*2	*2	*2	*8	*2	*8	*6	*2
28 Jun 2026	*2	*2	*2	*8	*2	*8	*6	*2
29 Jun 2026	*2	*2	*2	*8	*2	*8	*6	*2
30 Jun 2026	*2	*2	*2	*8	*2	*8	*6	*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
03 Jun 2026	IC	IC	IC	IC	IC	IC	IC	IC
10 Jun 2026	IC	IC	IC	IC	IC	IC	IC	IC
17 Jun 2026	IC	IC	IC	IC	IC	IC	IC	IC
25 Jun 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 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 Jun 2026	4	3	5	8	4	22	31	2
02 Jun 2026	4	3	5	8	4	22	31	2
03 Jun 2026	3	3	4	13	3	12	20	2
04 Jun 2026	3	3	4	13	3	12	20	2
05 Jun 2026	3	3	4	13	3	12	20	2
06 Jun 2026	3	3	4	13	3	12	20	2
07 Jun 2026	3	3	4	13	3	12	20	2
08 Jun 2026	3	3	4	13	3	12	20	2
09 Jun 2026	3	3	4	13	3	12	20	2
10 Jun 2026	3	3	4	10	3	8	16	2
11 Jun 2026	3	3	4	10	3	8	16	2
12 Jun 2026	3	3	4	10	3	8	16	2
13 Jun 2026	3	3	4	10	3	8	16	2
14 Jun 2026	3	3	4	10	3	8	16	2
15 Jun 2026	3	3	4	10	3	8	16	2
16 Jun 2026	2	2	2	5	2	5	11	2
17 Jun 2026	2	2	3	4	3	7	14	2
18 Jun 2026	2	2	3	3	3	7	14	2
19 Jun 2026	2	2	3	3	3	7	14	2
20 Jun 2026	2	2	3	3	3	7	14	2
21 Jun 2026	2	2	3	3	3	7	14	2
22 Jun 2026	2	2	3	3	3	7	14	2
23 Jun 2026	2	2	3	3	3	7	14	2
24 Jun 2026	2	2	3	3	3	8	14	2
25 Jun 2026	2	2	2	2	3	6	10	1
26 Jun 2026	2	2	2	2	3	6	10	1
27 Jun 2026	2	2	2	2	3	6	10	1
28 Jun 2026	2	2	2	2	3	6	10	1
29 Jun 2026	2	2	2	2	3	6	10	1
30 Jun 2026	2	2	2	2	3	6	10	1

* Geometric mean calculated using n<5

Table 2.4

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
June	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 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 Jun 2026	*10	*11	*11	*60	*53	*80	*290	*20
02 Jun 2026	*10	*11	*11	*60	*53	*80	*290	*20
03 Jun 2026	6	20	20	40	46	100	220	20
04 Jun 2026	6	20	20	40	46	100	220	20
05 Jun 2026	6	20	20	40	46	100	220	20
06 Jun 2026	*4	*20	*11	*30	*43	*80	*140	*20
07 Jun 2026	*4	*20	*11	*30	*43	*80	*140	*20
08 Jun 2026	*4	*20	*11	*30	*43	*80	*140	*20
09 Jun 2026	*4	*20	*11	*30	*43	*80	*140	*20
10 Jun 2026	6	20	20	20	40	60	60	20
11 Jun 2026	6	20	20	20	40	60	60	20
12 Jun 2026	*13	*20	*11	*20	*30	*80	*140	*20
13 Jun 2026	*13	*20	*11	*20	*30	*80	*140	*20
14 Jun 2026	*13	*20	*11	*20	*30	*80	*140	*20
15 Jun 2026	*13	*20	*11	*20	*30	*80	*140	*20
16 Jun 2026	*13	*20	*11	*20	*30	*80	*140	*20
17 Jun 2026	20	20	20	20	20	60	80	20
18 Jun 2026	20	20	20	20	20	60	80	20
19 Jun 2026	*20	*20	*20	*30	*20	*60	*70	*20
20 Jun 2026	*20	*20	*20	*30	*20	*60	*70	*20
21 Jun 2026	*20	*20	*20	*30	*20	*60	*70	*20
22 Jun 2026	*20	*20	*20	*30	*20	*60	*70	*20
23 Jun 2026	*20	*20	*20	*30	*20	*60	*70	*20
24 Jun 2026	*20	*20	*20	*30	*20	*60	*70	*20
25 Jun 2026	20	20	20	40	20	60	80	20
26 Jun 2026	*20	*20	*20	*30	*20	*60	*70	*20
27 Jun 2026	*20	*20	*20	*30	*20	*60	*70	*20
28 Jun 2026	*20	*20	*20	*30	*20	*60	*70	*20
29 Jun 2026	*20	*20	*20	*30	*20	*60	*70	*20
30 Jun 2026	*20	*20	*20	*30	*20	*60	*70	*20

* Median calculated using n<5

Table 2.6

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 month.

Date	D4	D5	D7	D8	D9	D10	D11	D12
June	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 2.7

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

Station	Date	Time	Total	Fecal	Entero
D10	03 Jun 2026	923	100e	10e	4
D10	10 Jun 2026	818	60e	<2	1
D10	17 Jun 2026	817	60e	18e	17
D10	25 Jun 2026	850	<20	14e	2
D11	03 Jun 2026	937	60e	4e	5
D11	10 Jun 2026	808	20e	<2	2
D11	17 Jun 2026	805	80e	22e	44
D11	25 Jun 2026	839	80e	6e	2
D12	03 Jun 2026	1005	<20	4e	1
D12	10 Jun 2026	751	<20	2e	2
D12	17 Jun 2026	746	<20	2e	1
D12	25 Jun 2026	821	<20	2e	<1
D4	03 Jun 2026	821	2e	<2	1
D4	10 Jun 2026	1014	<20	<2	<1
D4	17 Jun 2026	941	<20	2e	<1
D4	25 Jun 2026	1009	<20	<2	<1
D5	03 Jun 2026	801	<20	2e	<1
D5	10 Jun 2026	959	<20	<2	<1
D5	17 Jun 2026	922	20e	4e	<1
D5	25 Jun 2026	941	<20	2e	4
D7	03 Jun 2026	848	40e	<2	1
D7	10 Jun 2026	931	<20	<2	<1
D7	17 Jun 2026	857	<20	2e	7
D7	25 Jun 2026	918	<20	2e	1
D8	03 Jun 2026	906	20e	20e	80e
D8	10 Jun 2026	918	<20	<2	<1
D8	17 Jun 2026	843	60e	20e	<1
D8	25 Jun 2026	905	40e	6e	1
D9	03 Jun 2026	722	20e	2e	<1
D9	10 Jun 2026	856	<20	2e	1
D9	17 Jun 2026	717	<20	4e	7
D9	25 Jun 2026	753	40e	2e	1

ns = not sampled

ND = no data

Table 2.8

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

Station	Date	Parameter	Value
D4	03 Jun 2026	Arrive Time	821
D4	03 Jun 2026	Wind Speed (kts)	0.2
D4	03 Jun 2026	Wind Dir	NW
D4	03 Jun 2026	Animal Life	
D4	03 Jun 2026	Floatables	
D4	03 Jun 2026	Current Direction	S
D4	03 Jun 2026	Water Temp (C)	14.7
D4	03 Jun 2026	High Tide Time	1248
D4	03 Jun 2026	Low Tide Time	612
D4	03 Jun 2026	Comments	Water clear; Trash-1; Kelp;Seagrass
D4	10 Jun 2026	Arrive Time	1014
D4	10 Jun 2026	Wind Speed (kts)	2.4
D4	10 Jun 2026	Wind Dir	SW
D4	10 Jun 2026	Animal Life	
D4	10 Jun 2026	Floatables	
D4	10 Jun 2026	Current Direction	N
D4	10 Jun 2026	Water Temp (C)	17.2
D4	10 Jun 2026	High Tide Time	551
D4	10 Jun 2026	Low Tide Time	17
D4	10 Jun 2026	Comments	Water clear; Trash-3; Kelp;Seagrass;Algae;Debris
D4	17 Jun 2026	Arrive Time	941
D4	17 Jun 2026	Wind Speed (kts)	3.9
D4	17 Jun 2026	Wind Dir	W
D4	17 Jun 2026	Animal Life	
D4	17 Jun 2026	Floatables	Foam
D4	17 Jun 2026	Current Direction	S
D4	17 Jun 2026	Water Temp (C)	16.5
D4	17 Jun 2026	High Tide Time	1230
D4	17 Jun 2026	Low Tide Time	603
D4	17 Jun 2026	Comments	Water clear; Trash-1; Kelp;Seagrass
D4	25 Jun 2026	Arrive Time	1009
D4	25 Jun 2026	Wind Speed (kts)	4.8
D4	25 Jun 2026	Wind Dir	N
D4	25 Jun 2026	Animal Life	
D4	25 Jun 2026	Floatables	
D4	25 Jun 2026	Current Direction	S
D4	25 Jun 2026	Water Temp (C)	16
D4	25 Jun 2026	High Tide Time	800
D4	25 Jun 2026	Low Tide Time	152
D4	25 Jun 2026	Comments	Water clear; Surfer/Paddle boarder-1; Boater/Kayaker-4; Trash-1; Kelp;Seagrass;Algae
D5	03 Jun 2026	Arrive Time	801
D5	03 Jun 2026	Wind Speed (kts)	0
D5	03 Jun 2026	Wind Dir	XX
D5	03 Jun 2026	Animal Life	
D5	03 Jun 2026	Floatables	
D5	03 Jun 2026	Current Direction	S
D5	03 Jun 2026	Water Temp (C)	14.2
D5	03 Jun 2026	High Tide Time	1248
D5	03 Jun 2026	Low Tide Time	612
D5	03 Jun 2026	Comments	Water clear; Trash-3; Kelp;Seagrass;Algae

Station	Date	Parameter	Value
D5	10 Jun 2026	Arrive Time	959
D5	10 Jun 2026	Wind Speed (kts)	1.5
D5	10 Jun 2026	Wind Dir	SW
D5	10 Jun 2026	Animal Life	
D5	10 Jun 2026	Floatables	Foam
D5	10 Jun 2026	Current Direction	N
D5	10 Jun 2026	Water Temp (C)	19.2
D5	10 Jun 2026	High Tide Time	551
D5	10 Jun 2026	Low Tide Time	17
D5	10 Jun 2026	Comments	Water clear; Trash-1; Seagrass;Algae;Debris
D5	17 Jun 2026	Arrive Time	922
D5	17 Jun 2026	Wind Speed (kts)	2.5
D5	17 Jun 2026	Wind Dir	W
D5	17 Jun 2026	Animal Life	
D5	17 Jun 2026	Floatables	Foam
D5	17 Jun 2026	Current Direction	S
D5	17 Jun 2026	Water Temp (C)	16.4
D5	17 Jun 2026	High Tide Time	1230
D5	17 Jun 2026	Low Tide Time	603
D5	17 Jun 2026	Comments	Water clear; Trash-1; Kelp;Seagrass
D5	25 Jun 2026	Arrive Time	941
D5	25 Jun 2026	Wind Speed (kts)	2.2
D5	25 Jun 2026	Wind Dir	NW
D5	25 Jun 2026	Animal Life	
D5	25 Jun 2026	Floatables	
D5	25 Jun 2026	Current Direction	S
D5	25 Jun 2026	Water Temp (C)	16.4
D5	25 Jun 2026	High Tide Time	800
D5	25 Jun 2026	Low Tide Time	152
D5	25 Jun 2026	Comments	Water clear; Trash-2; Kelp;Algae
D7	03 Jun 2026	Arrive Time	848
D7	03 Jun 2026	Wind Speed (kts)	0.6
D7	03 Jun 2026	Wind Dir	NW
D7	03 Jun 2026	Animal Life	
D7	03 Jun 2026	Floatables	
D7	03 Jun 2026	Current Direction	S
D7	03 Jun 2026	Water Temp (C)	15
D7	03 Jun 2026	High Tide Time	1248
D7	03 Jun 2026	Low Tide Time	612
D7	03 Jun 2026	Comments	Water clear; Surfer/Paddle boarder-16; Trash-2; Kelp;Sea-grass
D7	10 Jun 2026	Arrive Time	931
D7	10 Jun 2026	Wind Speed (kts)	1.7
D7	10 Jun 2026	Wind Dir	S
D7	10 Jun 2026	Animal Life	
D7	10 Jun 2026	Floatables	
D7	10 Jun 2026	Current Direction	N
D7	10 Jun 2026	Water Temp (C)	19.4
D7	10 Jun 2026	High Tide Time	551
D7	10 Jun 2026	Low Tide Time	17
D7	10 Jun 2026	Comments	Water clear; Surfer/Paddle boarder-3; Trash-1; Al-gae;Kelp;Seagrass; Person/Walker/Jogger-8
D7	17 Jun 2026	Arrive Time	857
D7	17 Jun 2026	Wind Speed (kts)	2.8
D7	17 Jun 2026	Wind Dir	SW
D7	17 Jun 2026	Animal Life	

Station	Date	Parameter	Value
D7	17 Jun 2026	Floatables	
D7	17 Jun 2026	Current Direction	S
D7	17 Jun 2026	Water Temp (C)	17.2
D7	17 Jun 2026	High Tide Time	1230
D7	17 Jun 2026	Low Tide Time	603
D7	17 Jun 2026	Comments	Water clear; Surfer/Paddle boarder-15; Trash-1; Kelp;Sea-grass
D7	25 Jun 2026	Arrive Time	918
D7	25 Jun 2026	Wind Speed (kts)	1
D7	25 Jun 2026	Wind Dir	NW
D7	25 Jun 2026	Animal Life	
D7	25 Jun 2026	Floatables	
D7	25 Jun 2026	Current Direction	S
D7	25 Jun 2026	Water Temp (C)	15.3
D7	25 Jun 2026	High Tide Time	800
D7	25 Jun 2026	Low Tide Time	152
D7	25 Jun 2026	Comments	Water clear; Surfer/Paddle boarder-25; Fisherperson-1; Trash-1; Kelp;Seagrass;Algae
D8	03 Jun 2026	Arrive Time	906
D8	03 Jun 2026	Wind Speed (kts)	0.7
D8	03 Jun 2026	Wind Dir	NW
D8	03 Jun 2026	Animal Life	Dog-2;
D8	03 Jun 2026	Floatables	
D8	03 Jun 2026	Current Direction	S
D8	03 Jun 2026	Water Temp (C)	15.3
D8	03 Jun 2026	High Tide Time	1248
D8	03 Jun 2026	Low Tide Time	612
D8	03 Jun 2026	Comments	Water clear; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-4
D8	10 Jun 2026	Arrive Time	918
D8	10 Jun 2026	Wind Speed (kts)	1.5
D8	10 Jun 2026	Wind Dir	SW
D8	10 Jun 2026	Animal Life	
D8	10 Jun 2026	Floatables	
D8	10 Jun 2026	Current Direction	N
D8	10 Jun 2026	Water Temp (C)	18.7
D8	10 Jun 2026	High Tide Time	551
D8	10 Jun 2026	Low Tide Time	17
D8	10 Jun 2026	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae;Debris
D8	17 Jun 2026	Arrive Time	843
D8	17 Jun 2026	Wind Speed (kts)	0.8
D8	17 Jun 2026	Wind Dir	SW
D8	17 Jun 2026	Animal Life	
D8	17 Jun 2026	Floatables	Foam
D8	17 Jun 2026	Current Direction	S
D8	17 Jun 2026	Water Temp (C)	17.1
D8	17 Jun 2026	High Tide Time	1230
D8	17 Jun 2026	Low Tide Time	603
D8	17 Jun 2026	Comments	Water clear; Trash-4; Kelp;Seagrass; Person/Walker/Jogger-1
D8	25 Jun 2026	Arrive Time	905
D8	25 Jun 2026	Wind Speed (kts)	0
D8	25 Jun 2026	Wind Dir	XX
D8	25 Jun 2026	Animal Life	Dog-1;
D8	25 Jun 2026	Floatables	
D8	25 Jun 2026	Current Direction	S

Station	Date	Parameter	Value
D8	25 Jun 2026	Water Temp (C)	15.5
D8	25 Jun 2026	High Tide Time	800
D8	25 Jun 2026	Low Tide Time	152
D8	25 Jun 2026	Comments	Water clear; Trash-2; Kelp;Seagrass;Algae; Person/Walker/Jogger-2
D9	03 Jun 2026	Arrive Time	722
D9	03 Jun 2026	Wind Speed (kts)	0.3
D9	03 Jun 2026	Wind Dir	N
D9	03 Jun 2026	Animal Life	
D9	03 Jun 2026	Floatables	
D9	03 Jun 2026	Current Direction	S
D9	03 Jun 2026	Water Temp (C)	16.5
D9	03 Jun 2026	High Tide Time	1248
D9	03 Jun 2026	Low Tide Time	612
D9	03 Jun 2026	Comments	Water clear; Trash-2; Seagrass;Algae; Person/Walker/Jogger-6
D9	10 Jun 2026	Arrive Time	856
D9	10 Jun 2026	Wind Speed (kts)	3.3
D9	10 Jun 2026	Wind Dir	S
D9	10 Jun 2026	Animal Life	
D9	10 Jun 2026	Floatables	
D9	10 Jun 2026	Current Direction	N
D9	10 Jun 2026	Water Temp (C)	19.1
D9	10 Jun 2026	High Tide Time	551
D9	10 Jun 2026	Low Tide Time	17
D9	10 Jun 2026	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae
D9	17 Jun 2026	Arrive Time	717
D9	17 Jun 2026	Wind Speed (kts)	2.2
D9	17 Jun 2026	Wind Dir	SW
D9	17 Jun 2026	Animal Life	Bird-3;
D9	17 Jun 2026	Floatables	Foam
D9	17 Jun 2026	Current Direction	S
D9	17 Jun 2026	Water Temp (C)	16.4
D9	17 Jun 2026	High Tide Time	1230
D9	17 Jun 2026	Low Tide Time	603
D9	17 Jun 2026	Comments	Water clear; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-5
D9	25 Jun 2026	Arrive Time	753
D9	25 Jun 2026	Wind Speed (kts)	1
D9	25 Jun 2026	Wind Dir	N
D9	25 Jun 2026	Animal Life	Dog-1;
D9	25 Jun 2026	Floatables	
D9	25 Jun 2026	Current Direction	S
D9	25 Jun 2026	Water Temp (C)	14.6
D9	25 Jun 2026	High Tide Time	800
D9	25 Jun 2026	Low Tide Time	152
D9	25 Jun 2026	Comments	Water clear; Trash-2; Kelp;Seagrass;Algae; Person/Walker/Jogger-2
D10	03 Jun 2026	Arrive Time	923
D10	03 Jun 2026	Wind Speed (kts)	5.1
D10	03 Jun 2026	Wind Dir	NW
D10	03 Jun 2026	Animal Life	
D10	03 Jun 2026	Floatables	
D10	03 Jun 2026	Current Direction	S
D10	03 Jun 2026	Water Temp (C)	16.4
D10	03 Jun 2026	High Tide Time	1248

Station	Date	Parameter	Value
D10	03 Jun 2026	Low Tide Time	612
D10	03 Jun 2026	Comments	Water clear; Surfer/Paddle boarder-13; Trash-3; Kelp;Seagrass; Person/Walker/Jogger-8
D10	10 Jun 2026	Arrive Time	818
D10	10 Jun 2026	Wind Speed (kts)	3.3
D10	10 Jun 2026	Wind Dir	SW
D10	10 Jun 2026	Animal Life	Dog-2;
D10	10 Jun 2026	Floatables	
D10	10 Jun 2026	Current Direction	N
D10	10 Jun 2026	Water Temp (C)	18
D10	10 Jun 2026	High Tide Time	551
D10	10 Jun 2026	Low Tide Time	17
D10	10 Jun 2026	Comments	Water clear; Trash-2; Kelp;Seagrass;Algae;Debris; Person/Walker/Jogger-10
D10	17 Jun 2026	Arrive Time	817
D10	17 Jun 2026	Wind Speed (kts)	1.4
D10	17 Jun 2026	Wind Dir	SW
D10	17 Jun 2026	Animal Life	Dog-1;
D10	17 Jun 2026	Floatables	Foam
D10	17 Jun 2026	Current Direction	S
D10	17 Jun 2026	Water Temp (C)	17.5
D10	17 Jun 2026	High Tide Time	1230
D10	17 Jun 2026	Low Tide Time	603
D10	17 Jun 2026	Comments	Water clear; Surfer/Paddle boarder-6; Trash-3; Kelp;Seagrass; Person/Walker/Jogger-8
D10	25 Jun 2026	Arrive Time	850
D10	25 Jun 2026	Wind Speed (kts)	2.9
D10	25 Jun 2026	Wind Dir	W
D10	25 Jun 2026	Animal Life	Dog-2;
D10	25 Jun 2026	Floatables	
D10	25 Jun 2026	Current Direction	S
D10	25 Jun 2026	Water Temp (C)	16.9
D10	25 Jun 2026	High Tide Time	800
D10	25 Jun 2026	Low Tide Time	152
D10	25 Jun 2026	Comments	Water clear; Surfer/Paddle boarder-8; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-13
D11	03 Jun 2026	Arrive Time	937
D11	03 Jun 2026	Wind Speed (kts)	5.1
D11	03 Jun 2026	Wind Dir	NW
D11	03 Jun 2026	Animal Life	Dog-2;
D11	03 Jun 2026	Floatables	
D11	03 Jun 2026	Current Direction	S
D11	03 Jun 2026	Water Temp (C)	16.3
D11	03 Jun 2026	High Tide Time	1248
D11	03 Jun 2026	Low Tide Time	612
D11	03 Jun 2026	Comments	Water clear; Surfer/Paddle boarder-4; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-5
D11	10 Jun 2026	Arrive Time	808
D11	10 Jun 2026	Wind Speed (kts)	4.2
D11	10 Jun 2026	Wind Dir	SW
D11	10 Jun 2026	Animal Life	
D11	10 Jun 2026	Floatables	
D11	10 Jun 2026	Current Direction	N
D11	10 Jun 2026	Water Temp (C)	18
D11	10 Jun 2026	High Tide Time	551
D11	10 Jun 2026	Low Tide Time	17

Station	Date	Parameter	Value
D11	10 Jun 2026	Comments	Water clear; Trash-2; Kelp; Seagrass; Algae; Sewage-like odor
D11	17 Jun 2026	Arrive Time	805
D11	17 Jun 2026	Wind Speed (kts)	0.1
D11	17 Jun 2026	Wind Dir	SW
D11	17 Jun 2026	Animal Life	Bird-3; Dog-4;
D11	17 Jun 2026	Floatables	Foam
D11	17 Jun 2026	Current Direction	S
D11	17 Jun 2026	Water Temp (C)	17.6
D11	17 Jun 2026	High Tide Time	1230
D11	17 Jun 2026	Low Tide Time	603
D11	17 Jun 2026	Comments	Water clear; Surfer/Paddle boarder-5; Trash-3; Kelp; Sea-grass; Person/Walker/Jogger-12
D11	25 Jun 2026	Arrive Time	839
D11	25 Jun 2026	Wind Speed (kts)	4.3
D11	25 Jun 2026	Wind Dir	W
D11	25 Jun 2026	Animal Life	
D11	25 Jun 2026	Floatables	
D11	25 Jun 2026	Current Direction	S
D11	25 Jun 2026	Water Temp (C)	15.9
D11	25 Jun 2026	High Tide Time	800
D11	25 Jun 2026	Low Tide Time	152
D11	25 Jun 2026	Comments	Water clear; Trash-2; Kelp; Seagrass; Algae
D12	03 Jun 2026	Arrive Time	1005
D12	03 Jun 2026	Wind Speed (kts)	5.3
D12	03 Jun 2026	Wind Dir	NW
D12	03 Jun 2026	Animal Life	Bird-6;
D12	03 Jun 2026	Floatables	
D12	03 Jun 2026	Current Direction	S
D12	03 Jun 2026	Water Temp (C)	16
D12	03 Jun 2026	High Tide Time	1248
D12	03 Jun 2026	Low Tide Time	612
D12	03 Jun 2026	Comments	Water clear; Boogie boarder/Swimmer-8; Trash-3; Kelp; Sea-grass; Person/Walker/Jogger-21
D12	10 Jun 2026	Arrive Time	751
D12	10 Jun 2026	Wind Speed (kts)	3
D12	10 Jun 2026	Wind Dir	SW
D12	10 Jun 2026	Animal Life	
D12	10 Jun 2026	Floatables	
D12	10 Jun 2026	Current Direction	N
D12	10 Jun 2026	Water Temp (C)	17.4
D12	10 Jun 2026	High Tide Time	551
D12	10 Jun 2026	Low Tide Time	17
D12	10 Jun 2026	Comments	Water clear; Trash-2; Seagrass; Kelp; Algae; Debris; Person/Walker/Jogger-3
D12	17 Jun 2026	Arrive Time	746
D12	17 Jun 2026	Wind Speed (kts)	2.7
D12	17 Jun 2026	Wind Dir	SW
D12	17 Jun 2026	Animal Life	Bird-6;
D12	17 Jun 2026	Floatables	Foam
D12	17 Jun 2026	Current Direction	S
D12	17 Jun 2026	Water Temp (C)	17
D12	17 Jun 2026	High Tide Time	1230
D12	17 Jun 2026	Low Tide Time	603
D12	17 Jun 2026	Comments	Water clear; Surfer/Paddle boarder-1; Trash-3; Kelp; Sea-grass; Person/Walker/Jogger-6

Station	Date	Parameter	Value
D12	25 Jun 2026	Arrive Time	821
D12	25 Jun 2026	Wind Speed (kts)	4.5
D12	25 Jun 2026	Wind Dir	W
D12	25 Jun 2026	Animal Life	
D12	25 Jun 2026	Floatables	
D12	25 Jun 2026	Current Direction	S
D12	25 Jun 2026	Water Temp (C)	15.4
D12	25 Jun 2026	High Tide Time	800
D12	25 Jun 2026	Low Tide Time	152
D12	25 Jun 2026	Comments	Water clear; Surfer/Paddle boarder-1; Trash-1; Kelp;Sea-grass; Person/Walker/Jogger-5

Kelp Stations

Table 3.1

Summary of compliance with the Ocean Plan's 30-day Geometric Mean standard for fecal coliform bacteria at the PLOO kelp stations. Data are based on the geometric mean of the five most recent samples from each site over the previous 30 days unless otherwise noted (*). Values >200 CFU/100 mL exceed the standard.

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

* Geometric mean calculated using n<5

Table 3.2

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

Date	A1	A6	A7	C4	C5	C6	C7	C8
02 Jun 2026	IC	IC	IC	IC	IC	IC	IC	IC
09 Jun 2026	IC	IC	IC	IC	IC	IC	IC	IC
16 Jun 2026	IC	IC	IC	IC	IC	IC	IC	IC
24 Jun 2026	IC	IC	IC	IC	IC	IC	IC	IC
29 Jun 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 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 Jun 2026	1	1	2	2	3	2	1	1
02 Jun 2026	1	1	2	2	3	2	1	1
03 Jun 2026	1	1	2	2	3	2	1	1
04 Jun 2026	1	1	2	2	3	2	1	1
05 Jun 2026	1	1	2	2	3	2	1	1
06 Jun 2026	1	1	2	2	3	2	1	1
07 Jun 2026	1	1	2	2	3	2	1	1
08 Jun 2026	1	1	2	2	3	2	1	1
09 Jun 2026	1	1	2	1	2	2	1	1
10 Jun 2026	1	1	2	1	2	2	1	1
11 Jun 2026	1	1	2	1	2	2	1	1
12 Jun 2026	1	1	2	1	2	2	1	1
13 Jun 2026	1	1	2	1	2	2	1	1
14 Jun 2026	1	1	2	1	2	2	1	1
15 Jun 2026	1	1	1	1	1	1	1	1
16 Jun 2026	2	1	1	1	1	1	1	1
17 Jun 2026	2	1	1	1	1	1	1	1
18 Jun 2026	2	1	1	1	1	1	1	1
19 Jun 2026	2	1	1	1	1	1	1	1
20 Jun 2026	2	1	1	1	1	1	1	1
21 Jun 2026	2	1	1	1	1	1	1	1
22 Jun 2026	2	1	2	1	1	1	1	1
23 Jun 2026	2	1	2	1	1	1	1	1
24 Jun 2026	2	2	1	1	1	1	1	1
25 Jun 2026	2	2	1	1	1	1	1	1
26 Jun 2026	2	2	1	1	1	1	1	1
27 Jun 2026	2	2	1	1	1	1	1	1
28 Jun 2026	2	2	1	1	1	1	1	1
29 Jun 2026	2	2	2	1	1	1	1	2
30 Jun 2026	2	2	2	1	1	1	1	2

* Geometric mean calculated using n<5

Table 3.4

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
June	IC	IC	IC	IC	IC	IC	IC	IC

IC = In Compliance

E = Exceedance

ns = not sampled

ND = no data

Table 3.5

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

Station	Date	Time	Depth	Fecal	Entero
A1	02 Jun 2026	751	1	<2	<1
A1	02 Jun 2026	751	12	<2	<1
A1	02 Jun 2026	751	18	<2	2
A1	09 Jun 2026	735	1	<2	<1
A1	09 Jun 2026	735	12	<2	<1
A1	09 Jun 2026	735	18	<2	1
A1	16 Jun 2026	756	1	<2	<1
A1	16 Jun 2026	756	12	8e	4
A1	16 Jun 2026	756	18	40	21
A1	24 Jun 2026	756	1	<2	<1
A1	24 Jun 2026	756	12	<2	<1
A1	24 Jun 2026	756	18	4e	18
A1	29 Jun 2026	800	1	<2	<1
A1	29 Jun 2026	800	12	<2	<1
A1	29 Jun 2026	800	18	<2	1
A6	02 Jun 2026	821	1	<2	<1
A6	02 Jun 2026	821	12	<2	1
A6	02 Jun 2026	821	18	2e	1
A6	09 Jun 2026	804	1	<2	<1
A6	09 Jun 2026	804	12	<2	<1
A6	09 Jun 2026	804	18	<2	6
A6	16 Jun 2026	827	1	<2	<1
A6	16 Jun 2026	827	12	8e	1
A6	16 Jun 2026	827	18	24e	6
A6	24 Jun 2026	827	1	<2	<1
A6	24 Jun 2026	827	12	2e	3
A6	24 Jun 2026	827	18	<2	2
A6	29 Jun 2026	825	1	<2	<1
A6	29 Jun 2026	825	12	<2	1
A6	29 Jun 2026	825	18	4e	3
A7	02 Jun 2026	809	1	<2	<1
A7	02 Jun 2026	809	12	<2	<1
A7	02 Jun 2026	809	18	<2	<1
A7	09 Jun 2026	751	1	<2	<1
A7	09 Jun 2026	751	12	<2	<1
A7	09 Jun 2026	751	18	2e	9
A7	16 Jun 2026	815	1	<2	1
A7	16 Jun 2026	815	12	8e	5
A7	16 Jun 2026	815	18	16e	3
A7	24 Jun 2026	815	1	<2	<1
A7	24 Jun 2026	815	12	<2	<1
A7	24 Jun 2026	815	18	6e	1

Station	Date	Time	Depth	Fecal	Entero
A7	29 Jun 2026	813	1	<2	<1
A7	29 Jun 2026	813	12	<2	1
A7	29 Jun 2026	813	18	8e	7
C4	02 Jun 2026	927	1	<2	1
C4	02 Jun 2026	927	3	<2	<1
C4	02 Jun 2026	927	9	2e	<1
C4	09 Jun 2026	936	1	<2	<1
C4	09 Jun 2026	936	3	<2	<1
C4	09 Jun 2026	936	9	<2	<1
C4	16 Jun 2026	936	1	<2	<1
C4	16 Jun 2026	936	3	<2	<1
C4	16 Jun 2026	936	9	<2	<1
C4	24 Jun 2026	936	1	<2	<1
C4	24 Jun 2026	936	3	<2	<1
C4	24 Jun 2026	936	9	<2	<1
C4	29 Jun 2026	940	1	<2	2
C4	29 Jun 2026	940	3	<2	2
C4	29 Jun 2026	940	9	<2	<1
C5	02 Jun 2026	916	1	<2	<1
C5	02 Jun 2026	916	3	<2	<1
C5	02 Jun 2026	916	9	2e	<1
C5	09 Jun 2026	926	1	<2	<1
C5	09 Jun 2026	926	3	2e	<1
C5	09 Jun 2026	926	9	<2	<1
C5	16 Jun 2026	925	1	2e	<1
C5	16 Jun 2026	925	3	<2	<1
C5	16 Jun 2026	925	9	4e	1
C5	24 Jun 2026	925	1	<2	<1
C5	24 Jun 2026	925	3	<2	<1
C5	24 Jun 2026	925	9	<2	<1
C5	29 Jun 2026	923	1	<2	1
C5	29 Jun 2026	923	3	<2	<1
C5	29 Jun 2026	923	9	10e	1
C6	02 Jun 2026	905	1	2e	<1
C6	02 Jun 2026	905	3	<2	<1
C6	02 Jun 2026	905	9	<2	<1
C6	09 Jun 2026	852	1	<2	<1
C6	09 Jun 2026	852	3	<2	<1
C6	09 Jun 2026	852	9	<2	<1
C6	16 Jun 2026	915	1	<2	<1
C6	16 Jun 2026	915	3	<2	<1
C6	16 Jun 2026	915	9	2e	1
C6	24 Jun 2026	915	1	<2	<1
C6	24 Jun 2026	915	3	<2	<1
C6	24 Jun 2026	915	9	<2	<1

Station	Date	Time	Depth	Fecal	Entero
C6	29 Jun 2026	913	1	<2	<1
C6	29 Jun 2026	913	3	<2	<1
C6	29 Jun 2026	913	9	<2	<1
C7	02 Jun 2026	834	1	<2	<1
C7	02 Jun 2026	834	12	<2	<1
C7	02 Jun 2026	834	18	<2	<1
C7	09 Jun 2026	820	1	<2	<1
C7	09 Jun 2026	820	12	<2	<1
C7	09 Jun 2026	820	18	<2	<1
C7	16 Jun 2026	842	1	2e	<1
C7	16 Jun 2026	842	12	<2	1
C7	16 Jun 2026	842	18	6e	1
C7	24 Jun 2026	842	1	<2	<1
C7	24 Jun 2026	842	12	2e	<1
C7	24 Jun 2026	842	18	<2	<1
C7	29 Jun 2026	839	1	<2	<1
C7	29 Jun 2026	839	12	<2	5
C7	29 Jun 2026	839	18	2e	3
C8	02 Jun 2026	844	1	4e	<1
C8	02 Jun 2026	844	12	<2	<1
C8	02 Jun 2026	844	18	2e	<1
C8	09 Jun 2026	832	1	<2	<1
C8	09 Jun 2026	832	12	<2	<1
C8	09 Jun 2026	832	18	2e	1
C8	16 Jun 2026	856	1	<2	2
C8	16 Jun 2026	856	12	<2	<1
C8	16 Jun 2026	856	18	4e	1
C8	24 Jun 2026	856	1	<2	<1
C8	24 Jun 2026	856	12	<2	<1
C8	24 Jun 2026	856	18	<2	1
C8	29 Jun 2026	850	1	2e	<1
C8	29 Jun 2026	850	12	10e	27
C8	29 Jun 2026	850	18	2e	6

ns = not sampled

ND = no data

Table 3.6

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

Station	Date	Parameter	Value
A1	02 Jun 2026	Arrive Time	751
A1	02 Jun 2026	Depart Time	804
A1	02 Jun 2026	Air Temp (C)	16.3
A1	02 Jun 2026	Visibility (mi)	9
A1	02 Jun 2026	Wind Speed (kts)	1.9
A1	02 Jun 2026	Wind Dir	SE
A1	02 Jun 2026	Sea State	Regular Swell
A1	02 Jun 2026	High Tide Time	2230
A1	02 Jun 2026	Low Tide Time	530
A1	02 Jun 2026	Comments	significant fuel slick on the water; recovered with kelp on the CTD; Kelp; Kelp Debris
A1	09 Jun 2026	Arrive Time	735
A1	09 Jun 2026	Depart Time	744
A1	09 Jun 2026	Air Temp (C)	18.3
A1	09 Jun 2026	Visibility (mi)	10
A1	09 Jun 2026	Wind Speed (kts)	1.9
A1	09 Jun 2026	Wind Dir	SW
A1	09 Jun 2026	Sea State	Calm
A1	09 Jun 2026	High Tide Time	1718
A1	09 Jun 2026	Low Tide Time	1024
A1	09 Jun 2026	Comments	
A1	16 Jun 2026	Arrive Time	756
A1	16 Jun 2026	Depart Time	806
A1	16 Jun 2026	Air Temp (C)	19.1
A1	16 Jun 2026	Visibility (mi)	10
A1	16 Jun 2026	Wind Speed (kts)	2.3
A1	16 Jun 2026	Wind Dir	N
A1	16 Jun 2026	Sea State	Regular Swell
A1	16 Jun 2026	High Tide Time	2236
A1	16 Jun 2026	Low Tide Time	506
A1	16 Jun 2026	Comments	small sea lion interested in CTD; kelp on CTD at recovery; Kelp; Kelp Debris
A1	24 Jun 2026	Arrive Time	808
A1	24 Jun 2026	Depart Time	808
A1	24 Jun 2026	Air Temp (C)	18.2
A1	24 Jun 2026	Visibility (mi)	10
A1	24 Jun 2026	Wind Speed (kts)	5.8
A1	24 Jun 2026	Wind Dir	NW
A1	24 Jun 2026	Sea State	Calm
A1	24 Jun 2026	High Tide Time	1818
A1	24 Jun 2026	Low Tide Time	54
A1	24 Jun 2026	Comments	Forgot to hit arrive when on station; was within range
A1	29 Jun 2026	Arrive Time	800
A1	29 Jun 2026	Depart Time	806
A1	29 Jun 2026	Air Temp (C)	19.2
A1	29 Jun 2026	Visibility (mi)	10
A1	29 Jun 2026	Wind Speed (kts)	0.9
A1	29 Jun 2026	Wind Dir	SW
A1	29 Jun 2026	Sea State	Regular Swell
A1	29 Jun 2026	High Tide Time	2112
A1	29 Jun 2026	Low Tide Time	406
A1	29 Jun 2026	Comments	recovered with large bull kelp; Kelp; Kelp Debris

Station	Date	Parameter	Value
C4	02 Jun 2026	Arrive Time	927
C4	02 Jun 2026	Depart Time	935
C4	02 Jun 2026	Air Temp (C)	17.8
C4	02 Jun 2026	Visibility (mi)	9
C4	02 Jun 2026	Wind Speed (kts)	1.7
C4	02 Jun 2026	Wind Dir	S
C4	02 Jun 2026	Sea State	Regular Swell
C4	02 Jun 2026	High Tide Time	2230
C4	02 Jun 2026	Low Tide Time	530
C4	02 Jun 2026	Comments	fired bottles on 1st cast; temp and cond had issues from possible bubbles; recast for profile; ctd recovered with kelp; Kelp; Kelp Debris; Surfers
C4	09 Jun 2026	Arrive Time	936
C4	09 Jun 2026	Depart Time	940
C4	09 Jun 2026	Air Temp (C)	20.2
C4	09 Jun 2026	Visibility (mi)	10
C4	09 Jun 2026	Wind Speed (kts)	0.9
C4	09 Jun 2026	Wind Dir	N
C4	09 Jun 2026	Sea State	Calm
C4	09 Jun 2026	High Tide Time	1718
C4	09 Jun 2026	Low Tide Time	1024
C4	09 Jun 2026	Comments	
C4	16 Jun 2026	Arrive Time	936
C4	16 Jun 2026	Depart Time	939
C4	16 Jun 2026	Air Temp (C)	20.5
C4	16 Jun 2026	Visibility (mi)	10
C4	16 Jun 2026	Wind Speed (kts)	4.6
C4	16 Jun 2026	Wind Dir	N
C4	16 Jun 2026	Sea State	Regular Swell
C4	16 Jun 2026	High Tide Time	2236
C4	16 Jun 2026	Low Tide Time	506
C4	16 Jun 2026	Comments	Kelp; Kelp Debris
C4	24 Jun 2026	Arrive Time	947
C4	24 Jun 2026	Depart Time	951
C4	24 Jun 2026	Air Temp (C)	18.8
C4	24 Jun 2026	Visibility (mi)	10
C4	24 Jun 2026	Wind Speed (kts)	1.6
C4	24 Jun 2026	Wind Dir	W
C4	24 Jun 2026	Sea State	Calm
C4	24 Jun 2026	High Tide Time	1818
C4	24 Jun 2026	Low Tide Time	54
C4	24 Jun 2026	Comments	
C4	29 Jun 2026	Arrive Time	940
C4	29 Jun 2026	Depart Time	943
C4	29 Jun 2026	Air Temp (C)	18.9
C4	29 Jun 2026	Visibility (mi)	10
C4	29 Jun 2026	Wind Speed (kts)	2.5
C4	29 Jun 2026	Wind Dir	W
C4	29 Jun 2026	Sea State	Regular Swell
C4	29 Jun 2026	High Tide Time	2112
C4	29 Jun 2026	Low Tide Time	406
C4	29 Jun 2026	Comments	kelp on ctd at recovery; Kelp; Kelp Debris; Surfers
A7	02 Jun 2026	Arrive Time	809
A7	02 Jun 2026	Depart Time	815
A7	02 Jun 2026	Air Temp (C)	16.4

Station	Date	Parameter	Value
A7	02 Jun 2026	Visibility (mi)	9
A7	02 Jun 2026	Wind Speed (kts)	0.7
A7	02 Jun 2026	Wind Dir	SW
A7	02 Jun 2026	Sea State	Regular Swell
A7	02 Jun 2026	High Tide Time	2230
A7	02 Jun 2026	Low Tide Time	530
A7	02 Jun 2026	Comments	Kelp; Kelp Debris
A7	09 Jun 2026	Arrive Time	751
A7	09 Jun 2026	Depart Time	756
A7	09 Jun 2026	Air Temp (C)	18.2
A7	09 Jun 2026	Visibility (mi)	10
A7	09 Jun 2026	Wind Speed (kts)	2.2
A7	09 Jun 2026	Wind Dir	NE
A7	09 Jun 2026	Sea State	Calm
A7	09 Jun 2026	High Tide Time	1718
A7	09 Jun 2026	Low Tide Time	1024
A7	09 Jun 2026	Comments	
A7	16 Jun 2026	Arrive Time	815
A7	16 Jun 2026	Depart Time	820
A7	16 Jun 2026	Air Temp (C)	20.5
A7	16 Jun 2026	Visibility (mi)	10
A7	16 Jun 2026	Wind Speed (kts)	2.3
A7	16 Jun 2026	Wind Dir	N
A7	16 Jun 2026	Sea State	Regular Swell
A7	16 Jun 2026	High Tide Time	2236
A7	16 Jun 2026	Low Tide Time	506
A7	16 Jun 2026	Comments	Kelp; Kelp Debris
A7	24 Jun 2026	Arrive Time	813
A7	24 Jun 2026	Depart Time	824
A7	24 Jun 2026	Air Temp (C)	18.6
A7	24 Jun 2026	Visibility (mi)	10
A7	24 Jun 2026	Wind Speed (kts)	0.3
A7	24 Jun 2026	Wind Dir	E
A7	24 Jun 2026	Sea State	Calm
A7	24 Jun 2026	High Tide Time	1818
A7	24 Jun 2026	Low Tide Time	54
A7	24 Jun 2026	Comments	
A7	29 Jun 2026	Arrive Time	813
A7	29 Jun 2026	Depart Time	819
A7	29 Jun 2026	Air Temp (C)	19.1
A7	29 Jun 2026	Visibility (mi)	10
A7	29 Jun 2026	Wind Speed (kts)	1.9
A7	29 Jun 2026	Wind Dir	SW
A7	29 Jun 2026	Sea State	Regular Swell
A7	29 Jun 2026	High Tide Time	2112
A7	29 Jun 2026	Low Tide Time	406
A7	29 Jun 2026	Comments	Kelp; Kelp Debris
C5	02 Jun 2026	Arrive Time	916
C5	02 Jun 2026	Depart Time	920
C5	02 Jun 2026	Air Temp (C)	17.9
C5	02 Jun 2026	Visibility (mi)	9
C5	02 Jun 2026	Wind Speed (kts)	1
C5	02 Jun 2026	Wind Dir	W
C5	02 Jun 2026	Sea State	Regular Swell
C5	02 Jun 2026	High Tide Time	2230
C5	02 Jun 2026	Low Tide Time	530

Station	Date	Parameter	Value
C5	02 Jun 2026	Comments	Kelp; Kelp Debris; Seagrass
C5	09 Jun 2026	Arrive Time	926
C5	09 Jun 2026	Depart Time	930
C5	09 Jun 2026	Air Temp (C)	19.8
C5	09 Jun 2026	Visibility (mi)	10
C5	09 Jun 2026	Wind Speed (kts)	1.4
C5	09 Jun 2026	Wind Dir	NW
C5	09 Jun 2026	Sea State	Calm
C5	09 Jun 2026	High Tide Time	1718
C5	09 Jun 2026	Low Tide Time	1024
C5	09 Jun 2026	Comments	
C5	16 Jun 2026	Arrive Time	925
C5	16 Jun 2026	Depart Time	927
C5	16 Jun 2026	Air Temp (C)	20.5
C5	16 Jun 2026	Visibility (mi)	10
C5	16 Jun 2026	Wind Speed (kts)	3.1
C5	16 Jun 2026	Wind Dir	N
C5	16 Jun 2026	Sea State	Regular Swell
C5	16 Jun 2026	High Tide Time	2236
C5	16 Jun 2026	Low Tide Time	506
C5	16 Jun 2026	Comments	
C5	24 Jun 2026	Arrive Time	936
C5	24 Jun 2026	Depart Time	940
C5	24 Jun 2026	Air Temp (C)	18.4
C5	24 Jun 2026	Visibility (mi)	10
C5	24 Jun 2026	Wind Speed (kts)	2.7
C5	24 Jun 2026	Wind Dir	W
C5	24 Jun 2026	Sea State	Calm
C5	24 Jun 2026	High Tide Time	1818
C5	24 Jun 2026	Low Tide Time	54
C5	24 Jun 2026	Comments	
C5	29 Jun 2026	Arrive Time	923
C5	29 Jun 2026	Depart Time	933
C5	29 Jun 2026	Air Temp (C)	19.2
C5	29 Jun 2026	Visibility (mi)	10
C5	29 Jun 2026	Wind Speed (kts)	3.8
C5	29 Jun 2026	Wind Dir	SW
C5	29 Jun 2026	Sea State	Regular Swell
C5	29 Jun 2026	High Tide Time	2112
C5	29 Jun 2026	Low Tide Time	406
C5	29 Jun 2026	Comments	1st cast did not achieve target depth; use 2nd cast; 2nd cast nis 1 did not close; ctd put back into water for 1m nis; btls 4 and 5; Kelp Debris; Seagrass
A6	02 Jun 2026	Arrive Time	821
A6	02 Jun 2026	Depart Time	825
A6	02 Jun 2026	Air Temp (C)	16.8
A6	02 Jun 2026	Visibility (mi)	9
A6	02 Jun 2026	Wind Speed (kts)	0
A6	02 Jun 2026	Wind Dir	SW
A6	02 Jun 2026	Sea State	Regular Swell
A6	02 Jun 2026	High Tide Time	2230
A6	02 Jun 2026	Low Tide Time	530
A6	02 Jun 2026	Comments	Kelp; kelp debris; ctd recovered with kelp
A6	09 Jun 2026	Arrive Time	804
A6	09 Jun 2026	Depart Time	810

Station	Date	Parameter	Value
A6	09 Jun 2026	Air Temp (C)	18.4
A6	09 Jun 2026	Visibility (mi)	10
A6	09 Jun 2026	Wind Speed (kts)	2.1
A6	09 Jun 2026	Wind Dir	N
A6	09 Jun 2026	Sea State	Calm
A6	09 Jun 2026	High Tide Time	1718
A6	09 Jun 2026	Low Tide Time	1024
A6	09 Jun 2026	Comments	
A6	16 Jun 2026	Arrive Time	827
A6	16 Jun 2026	Depart Time	832
A6	16 Jun 2026	Air Temp (C)	19.6
A6	16 Jun 2026	Visibility (mi)	10
A6	16 Jun 2026	Wind Speed (kts)	3.6
A6	16 Jun 2026	Wind Dir	N
A6	16 Jun 2026	Sea State	Regular Swell
A6	16 Jun 2026	High Tide Time	2236
A6	16 Jun 2026	Low Tide Time	506
A6	16 Jun 2026	Comments	CTD recovered with kelp; Kelp; Kelp Debris
A6	24 Jun 2026	Arrive Time	832
A6	24 Jun 2026	Depart Time	844
A6	24 Jun 2026	Air Temp (C)	18.4
A6	24 Jun 2026	Visibility (mi)	10
A6	24 Jun 2026	Wind Speed (kts)	1.1
A6	24 Jun 2026	Wind Dir	S
A6	24 Jun 2026	Sea State	Calm
A6	24 Jun 2026	High Tide Time	1818
A6	24 Jun 2026	Low Tide Time	54
A6	24 Jun 2026	Comments	
A6	29 Jun 2026	Arrive Time	825
A6	29 Jun 2026	Depart Time	831
A6	29 Jun 2026	Air Temp (C)	18.9
A6	29 Jun 2026	Visibility (mi)	10
A6	29 Jun 2026	Wind Speed (kts)	3.8
A6	29 Jun 2026	Wind Dir	SW
A6	29 Jun 2026	Sea State	Regular Swell
A6	29 Jun 2026	High Tide Time	2112
A6	29 Jun 2026	Low Tide Time	406
A6	29 Jun 2026	Comments	recovered with kelp on ctd; Kelp; kelp debris
C6	02 Jun 2026	Arrive Time	905
C6	02 Jun 2026	Depart Time	910
C6	02 Jun 2026	Air Temp (C)	17.6
C6	02 Jun 2026	Visibility (mi)	9
C6	02 Jun 2026	Wind Speed (kts)	0
C6	02 Jun 2026	Wind Dir	W
C6	02 Jun 2026	Sea State	Regular Swell
C6	02 Jun 2026	High Tide Time	2230
C6	02 Jun 2026	Low Tide Time	530
C6	02 Jun 2026	Comments	Kelp Debris
C6	09 Jun 2026	Arrive Time	852
C6	09 Jun 2026	Depart Time	855
C6	09 Jun 2026	Air Temp (C)	19
C6	09 Jun 2026	Visibility (mi)	10
C6	09 Jun 2026	Wind Speed (kts)	0.5
C6	09 Jun 2026	Wind Dir	W
C6	09 Jun 2026	Sea State	Calm
C6	09 Jun 2026	High Tide Time	1718

Station	Date	Parameter	Value
C6	09 Jun 2026	Low Tide Time	1024
C6	09 Jun 2026	Comments	
C6	16 Jun 2026	Arrive Time	915
C6	16 Jun 2026	Depart Time	919
C6	16 Jun 2026	Air Temp (C)	20.3
C6	16 Jun 2026	Visibility (mi)	10
C6	16 Jun 2026	Wind Speed (kts)	4.1
C6	16 Jun 2026	Wind Dir	N
C6	16 Jun 2026	Sea State	Regular Swell
C6	16 Jun 2026	High Tide Time	2236
C6	16 Jun 2026	Low Tide Time	506
C6	16 Jun 2026	Comments	
C6	24 Jun 2026	Arrive Time	924
C6	24 Jun 2026	Depart Time	930
C6	24 Jun 2026	Air Temp (C)	18.7
C6	24 Jun 2026	Visibility (mi)	10
C6	24 Jun 2026	Wind Speed (kts)	1.8
C6	24 Jun 2026	Wind Dir	NW
C6	24 Jun 2026	Sea State	Calm
C6	24 Jun 2026	High Tide Time	1818
C6	24 Jun 2026	Low Tide Time	54
C6	24 Jun 2026	Comments	
C6	29 Jun 2026	Arrive Time	913
C6	29 Jun 2026	Depart Time	917
C6	29 Jun 2026	Air Temp (C)	19
C6	29 Jun 2026	Visibility (mi)	10
C6	29 Jun 2026	Wind Speed (kts)	6.2
C6	29 Jun 2026	Wind Dir	SW
C6	29 Jun 2026	Sea State	Regular Swell
C6	29 Jun 2026	High Tide Time	2112
C6	29 Jun 2026	Low Tide Time	406
C6	29 Jun 2026	Comments	Kelp Debris
C7	02 Jun 2026	Arrive Time	834
C7	02 Jun 2026	Depart Time	837
C7	02 Jun 2026	Air Temp (C)	16.9
C7	02 Jun 2026	Visibility (mi)	9
C7	02 Jun 2026	Wind Speed (kts)	1.9
C7	02 Jun 2026	Wind Dir	SW
C7	02 Jun 2026	Sea State	Regular Swell
C7	02 Jun 2026	High Tide Time	2230
C7	02 Jun 2026	Low Tide Time	530
C7	02 Jun 2026	Comments	Kelp; Kelp Debris
C7	09 Jun 2026	Arrive Time	820
C7	09 Jun 2026	Depart Time	824
C7	09 Jun 2026	Air Temp (C)	18.7
C7	09 Jun 2026	Visibility (mi)	10
C7	09 Jun 2026	Wind Speed (kts)	0.3
C7	09 Jun 2026	Wind Dir	NW
C7	09 Jun 2026	Sea State	Calm
C7	09 Jun 2026	High Tide Time	1718
C7	09 Jun 2026	Low Tide Time	1024
C7	09 Jun 2026	Comments	
C7	16 Jun 2026	Arrive Time	842
C7	16 Jun 2026	Depart Time	848
C7	16 Jun 2026	Air Temp (C)	19.7

Station	Date	Parameter	Value
C7	16 Jun 2026	Visibility (mi)	10
C7	16 Jun 2026	Wind Speed (kts)	3.3
C7	16 Jun 2026	Wind Dir	N
C7	16 Jun 2026	Sea State	Regular Swell
C7	16 Jun 2026	High Tide Time	2236
C7	16 Jun 2026	Low Tide Time	506
C7	16 Jun 2026	Comments	checked transmissometer for trapped debris in cage but appeared clean
C7	24 Jun 2026	Arrive Time	853
C7	24 Jun 2026	Depart Time	857
C7	24 Jun 2026	Air Temp (C)	18.3
C7	24 Jun 2026	Visibility (mi)	10
C7	24 Jun 2026	Wind Speed (kts)	0.9
C7	24 Jun 2026	Wind Dir	NE
C7	24 Jun 2026	Sea State	Calm
C7	24 Jun 2026	High Tide Time	1818
C7	24 Jun 2026	Low Tide Time	54
C7	24 Jun 2026	Comments	
C7	29 Jun 2026	Arrive Time	839
C7	29 Jun 2026	Depart Time	845
C7	29 Jun 2026	Air Temp (C)	18.7
C7	29 Jun 2026	Visibility (mi)	10
C7	29 Jun 2026	Wind Speed (kts)	3.2
C7	29 Jun 2026	Wind Dir	W
C7	29 Jun 2026	Sea State	Regular Swell
C7	29 Jun 2026	High Tide Time	2112
C7	29 Jun 2026	Low Tide Time	406
C7	29 Jun 2026	Comments	dolphins on station; Kelp Debris
C8	02 Jun 2026	Arrive Time	844
C8	02 Jun 2026	Depart Time	852
C8	02 Jun 2026	Air Temp (C)	17
C8	02 Jun 2026	Visibility (mi)	9
C8	02 Jun 2026	Wind Speed (kts)	2.3
C8	02 Jun 2026	Wind Dir	SW
C8	02 Jun 2026	Sea State	Regular Swell
C8	02 Jun 2026	High Tide Time	2230
C8	02 Jun 2026	Low Tide Time	530
C8	02 Jun 2026	Comments	
C8	09 Jun 2026	Arrive Time	832
C8	09 Jun 2026	Depart Time	836
C8	09 Jun 2026	Air Temp (C)	18.8
C8	09 Jun 2026	Visibility (mi)	10
C8	09 Jun 2026	Wind Speed (kts)	0.4
C8	09 Jun 2026	Wind Dir	S
C8	09 Jun 2026	Sea State	Calm
C8	09 Jun 2026	High Tide Time	1718
C8	09 Jun 2026	Low Tide Time	1024
C8	09 Jun 2026	Comments	
C8	16 Jun 2026	Arrive Time	856
C8	16 Jun 2026	Depart Time	900
C8	16 Jun 2026	Air Temp (C)	20.2
C8	16 Jun 2026	Visibility (mi)	10
C8	16 Jun 2026	Wind Speed (kts)	3.6
C8	16 Jun 2026	Wind Dir	N
C8	16 Jun 2026	Sea State	Regular Swell
C8	16 Jun 2026	High Tide Time	2236

Station	Date	Parameter	Value
C8	16 Jun 2026	Low Tide Time	506
C8	16 Jun 2026	Comments	Collected 1m on upcast
C8	24 Jun 2026	Arrive Time	904
C8	24 Jun 2026	Depart Time	909
C8	24 Jun 2026	Air Temp (C)	18.5
C8	24 Jun 2026	Visibility (mi)	10
C8	24 Jun 2026	Wind Speed (kts)	0.7
C8	24 Jun 2026	Wind Dir	S
C8	24 Jun 2026	Sea State	Calm
C8	24 Jun 2026	High Tide Time	1818
C8	24 Jun 2026	Low Tide Time	54
C8	24 Jun 2026	Comments	
C8	29 Jun 2026	Arrive Time	850
C8	29 Jun 2026	Depart Time	854
C8	29 Jun 2026	Air Temp (C)	18.9
C8	29 Jun 2026	Visibility (mi)	10
C8	29 Jun 2026	Wind Speed (kts)	2.9
C8	29 Jun 2026	Wind Dir	W
C8	29 Jun 2026	Sea State	Regular Swell
C8	29 Jun 2026	High Tide Time	2112
C8	29 Jun 2026	Low Tide Time	406
C8	29 Jun 2026	Comments	Kelp; Kelp Debris

Table 3.7

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)	CDOM (ppb)
A1	02 Jun 2026	1	16.24	89.80	8.1	33.45	8.1	24.5	1.97	0.98
A1	02 Jun 2026	2	15.94	89.63	8.1	33.48	8.1	24.6	2.11	0.98
A1	02 Jun 2026	3	15.78	88.17	8.1	33.47	8.1	24.6	2.78	1.03
A1	02 Jun 2026	4	15.61	87.02	8.1	33.47	8.1	24.7	3.35	1.07
A1	02 Jun 2026	5	15.33	85.50	8.1	33.48	8.1	24.7	3.45	1.08
A1	02 Jun 2026	6	15.11	85.01	8.0	33.48	8.1	24.8	3.77	1.10
A1	02 Jun 2026	7	14.84	84.90	7.7	33.48	8.1	24.8	3.87	1.11
A1	02 Jun 2026	8	14.70	84.70	7.6	33.48	8.1	24.9	4.01	1.14
A1	02 Jun 2026	9	14.49	84.48	7.3	33.49	8.1	24.9	4.08	1.14
A1	02 Jun 2026	10	14.11	84.68	6.9	33.52	8.0	25.0	3.83	1.16
A1	02 Jun 2026	11	12.66	84.74	6.0	33.67	8.0	25.4	2.59	1.11
A1	02 Jun 2026	12	12.07	86.15	5.0	33.62	7.9	25.5	1.29	1.02
A1	02 Jun 2026	13	12.01	88.55	4.7	33.60	7.8	25.5	1.04	0.99
A1	02 Jun 2026	14	11.99	90.38	4.6	33.59	7.8	25.5	1.06	0.96
A1	02 Jun 2026	15	11.90	91.20	4.5	33.59	7.8	25.5	1.09	0.96
A1	02 Jun 2026	16	11.90	91.76	4.5	33.59	7.8	25.5	1.24	0.96
A1	02 Jun 2026	17	11.89	91.76	4.4	33.59	7.8	25.5	1.22	0.96
A1	02 Jun 2026	18	11.88	91.45	4.3	33.59	7.8	25.5	1.22	0.96
A1	02 Jun 2026	19	11.88	91.21	4.3	33.60	7.8	25.5	1.13	0.98
A1	09 Jun 2026	1	19.59	88.47	8.8	33.45	8.2	23.7	2.04	0.78
A1	09 Jun 2026	2	19.57	88.49	8.9	33.45	8.2	23.7	1.97	0.79
A1	09 Jun 2026	3	19.56	88.71	8.9	33.45	8.2	23.7	2.06	0.78
A1	09 Jun 2026	4	19.56	88.87	8.9	33.45	8.2	23.7	2.08	0.77
A1	09 Jun 2026	5	19.35	88.69	8.7	33.45	8.2	23.7	2.23	0.76
A1	09 Jun 2026	6	19.38	89.46	8.7	33.44	8.2	23.7	1.85	0.72
A1	09 Jun 2026	7	19.04	91.24	8.4	33.42	8.2	23.8	1.79	0.70
A1	09 Jun 2026	8	18.97	92.13	8.3	33.40	8.2	23.8	1.22	0.67
A1	09 Jun 2026	9	18.82	93.97	8.3	33.39	8.2	23.8	1.11	0.67
A1	09 Jun 2026	10	18.72	94.63	8.2	33.39	8.2	23.9	1.11	0.65
A1	09 Jun 2026	11	18.66	94.57	8.2	33.38	8.2	23.9	1.02	0.64
A1	09 Jun 2026	12	18.63	94.79	8.2	33.38	8.2	23.9	0.97	0.65
A1	09 Jun 2026	13	18.61	94.61	8.2	33.38	8.2	23.9	0.98	0.67
A1	09 Jun 2026	14	18.57	94.31	8.2	33.39	8.2	23.9	1.08	0.68
A1	09 Jun 2026	15	18.47	94.07	8.1	33.41	8.2	23.9	1.21	0.70
A1	09 Jun 2026	16	17.73	92.68	8.5	33.58	8.2	24.2	2.07	0.83
A1	09 Jun 2026	17	17.44	87.21	8.5	33.47	8.2	24.2	3.36	1.00
A1	09 Jun 2026	18	16.80	86.61	8.5	33.76	8.2	24.6	2.87	1.00
A1	16 Jun 2026	1	17.94	91.86	7.8	33.41	8.1	24.1	0.85	0.92
A1	16 Jun 2026	2	17.94	90.27	7.8	33.42	8.1	24.1	0.91	0.90
A1	16 Jun 2026	3	16.30	89.10	7.5	33.61	8.1	24.6	1.04	0.90
A1	16 Jun 2026	4	13.85	91.17	6.9	33.64	8.0	25.2	1.55	0.95
A1	16 Jun 2026	5	13.17	92.42	6.3	33.58	8.0	25.3	1.21	0.94
A1	16 Jun 2026	6	12.61	93.69	5.8	33.57	7.9	25.4	0.81	0.92
A1	16 Jun 2026	7	12.38	93.95	5.6	33.57	7.9	25.4	0.74	0.92
A1	16 Jun 2026	8	12.17	94.25	5.5	33.56	7.9	25.4	0.76	0.92
A1	16 Jun 2026	9	12.09	94.56	5.4	33.55	7.9	25.4	0.74	0.91
A1	16 Jun 2026	10	11.92	94.56	5.2	33.55	7.9	25.5	0.73	0.90
A1	16 Jun 2026	11	11.87	94.60	5.2	33.56	7.9	25.5	0.66	0.90
A1	16 Jun 2026	12	11.75	94.60	5.1	33.57	7.9	25.5	0.66	0.90
A1	16 Jun 2026	13	11.60	94.33	4.9	33.59	7.8	25.6	0.54	0.90
A1	16 Jun 2026	14	11.52	93.96	4.8	33.59	7.8	25.6	0.45	0.92
A1	16 Jun 2026	15	11.49	93.92	4.8	33.59	7.8	25.6	0.45	0.93
A1	16 Jun 2026	16	11.48	93.70	4.7	33.59	7.8	25.6	0.46	0.92
A1	16 Jun 2026	17	11.47	93.73	4.7	33.58	7.8	25.6	0.44	0.92
A1	16 Jun 2026	18	11.49	93.61	4.7	33.58	7.8	25.6	0.44	0.92
A1	24 Jun 2026	1	14.87	73.03	8.2	33.48	8.1	24.8	9.02	1.10
A1	24 Jun 2026	2	14.89	73.11	8.2	33.52	8.1	24.9	8.62	1.08
A1	24 Jun 2026	3	13.92	72.08	8.1	33.56	8.1	25.1	8.70	1.12
A1	24 Jun 2026	4	13.93	73.13	7.9	33.50	8.0	25.0	8.23	1.10
A1	24 Jun 2026	5	14.00	74.80	7.9	33.50	8.0	25.0	8.31	1.10
A1	24 Jun 2026	6	13.94	74.41	7.9	33.50	8.0	25.0	8.14	1.10
A1	24 Jun 2026	7	13.81	75.02	7.8	33.53	8.0	25.1	8.03	1.10
A1	24 Jun 2026	8	13.33	75.21	7.6	33.52	8.0	25.2	6.48	1.08
A1	24 Jun 2026	9	13.05	79.17	7.4	33.50	8.0	25.2	4.03	1.04
A1	24 Jun 2026	10	12.96	84.91	7.2	33.49	8.0	25.2	3.17	1.07

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)	CDOM (ppb)
A1	24 Jun 2026	11	12.96	84.09	7.1	33.48	8.0	25.2	3.70	1.12
A1	24 Jun 2026	12	12.81	82.71	6.9	33.49	8.0	25.3	2.99	1.11
A1	24 Jun 2026	13	12.79	83.61	6.7	33.50	8.0	25.3	2.44	1.08
A1	24 Jun 2026	14	12.57	85.33	6.4	33.47	7.9	25.3	2.33	1.07
A1	24 Jun 2026	15	12.47	88.42	6.3	33.53	7.9	25.4	2.47	1.10
A1	24 Jun 2026	16	11.78	89.45	5.7	33.53	7.8	25.5	2.33	1.02
A1	24 Jun 2026	17	11.94	89.55	5.4	33.50	7.8	25.4	2.16	0.97
A1	24 Jun 2026	18	11.79	89.69	5.4	33.52	7.8	25.5	2.06	0.96
A1	29 Jun 2026	1	19.15	87.46	8.7	33.46	8.2	23.8	1.52	0.75
A1	29 Jun 2026	2	19.18	87.44	8.7	33.46	8.2	23.8	1.52	0.75
A1	29 Jun 2026	3	19.14	87.44	8.6	33.46	8.2	23.8	1.60	0.74
A1	29 Jun 2026	4	19.11	87.48	8.7	33.46	8.2	23.8	1.70	0.74
A1	29 Jun 2026	5	19.03	87.43	8.6	33.47	8.2	23.8	1.86	0.75
A1	29 Jun 2026	6	18.87	87.45	8.6	33.47	8.2	23.9	1.75	0.74
A1	29 Jun 2026	7	18.85	87.43	8.7	33.46	8.2	23.9	1.66	0.76
A1	29 Jun 2026	8	18.79	87.60	8.7	33.47	8.2	23.9	1.79	0.75
A1	29 Jun 2026	9	18.74	86.02	8.7	33.47	8.2	23.9	1.79	0.77
A1	29 Jun 2026	10	18.70	86.63	8.8	33.47	8.2	23.9	1.79	0.76
A1	29 Jun 2026	11	18.63	87.74	8.8	33.48	8.2	24.0	1.80	0.75
A1	29 Jun 2026	12	18.12	87.66	8.8	33.51	8.2	24.1	1.97	0.78
A1	29 Jun 2026	13	17.70	86.67	8.8	33.49	8.2	24.2	2.53	0.82
A1	29 Jun 2026	14	17.51	85.86	9.0	33.47	8.2	24.2	3.35	0.87
A1	29 Jun 2026	15	17.51	85.22	8.9	33.49	8.2	24.2	3.63	0.86
A1	29 Jun 2026	16	15.58	84.85	8.2	33.57	8.2	24.7	3.69	0.90
A1	29 Jun 2026	17	14.22	86.46	7.4	33.53	8.0	25.0	3.85	1.14
A1	29 Jun 2026	18	14.07	88.05	7.0	33.51	8.0	25.0	3.19	1.20
C4	02 Jun 2026	1	16.69	80.62	7.7	33.45	8.1	24.4	1.37	0.99
C4	02 Jun 2026	2	16.56	80.79	7.6	33.47	8.1	24.4	1.38	0.98
C4	02 Jun 2026	3	16.30	81.05	7.7	33.49	8.1	24.5	1.53	0.99
C4	02 Jun 2026	4	15.54	82.06	7.8	33.51	8.1	24.7	2.18	1.02
C4	02 Jun 2026	5	14.96	83.43	7.7	33.51	8.1	24.8	3.16	1.06
C4	02 Jun 2026	6	14.60	84.98	7.2	33.50	8.1	24.9	2.98	1.08
C4	02 Jun 2026	7	14.19	86.00	6.6	33.50	8.0	25.0	1.67	1.10
C4	02 Jun 2026	8	14.02	87.14	6.2	33.49	8.0	25.0	0.96	1.14
C4	02 Jun 2026	9	13.75	87.45	5.7	33.50	8.0	25.1	0.52	1.17
C4	02 Jun 2026	10	13.71	86.47	5.4	33.49	7.9	25.1	0.41	1.18
C4	02 Jun 2026	11	13.70	82.21	5.3	33.49	7.9	25.1	0.39	1.21
C4	02 Jun 2026	12	13.71	79.37	5.3	33.49	7.9	25.1	0.39	1.24
C4	09 Jun 2026	1	19.61	84.68	8.8	33.47	8.3	23.7	1.08	0.96
C4	09 Jun 2026	2	19.59	84.61	8.8	33.47	8.3	23.7	1.11	0.94
C4	09 Jun 2026	3	19.52	84.86	8.7	33.47	8.3	23.7	1.18	0.94
C4	09 Jun 2026	4	19.44	84.17	8.7	33.47	8.3	23.7	1.40	0.96
C4	09 Jun 2026	5	19.38	84.56	8.7	33.47	8.3	23.8	1.60	0.93
C4	09 Jun 2026	6	19.28	86.37	8.6	33.47	8.3	23.8	1.81	0.91
C4	09 Jun 2026	7	19.15	87.16	8.4	33.47	8.2	23.8	1.95	0.93
C4	09 Jun 2026	8	18.60	87.73	7.9	33.48	8.2	24.0	1.90	1.00
C4	09 Jun 2026	9	18.05	87.64	7.0	33.47	8.2	24.1	1.50	1.07
C4	09 Jun 2026	10	17.39	85.06	6.0	33.48	8.1	24.3	0.60	1.32
C4	09 Jun 2026	11	17.23	83.22	5.8	33.47	8.0	24.3	0.60	1.38
C4	16 Jun 2026	1	17.94	89.94	7.7	33.44	8.2	24.1	0.61	0.96
C4	16 Jun 2026	2	17.91	90.01	7.7	33.44	8.2	24.1	0.63	0.96
C4	16 Jun 2026	3	17.55	89.78	7.6	33.48	8.2	24.2	0.71	0.93
C4	16 Jun 2026	4	16.40	89.74	7.2	33.55	8.1	24.5	0.66	0.95
C4	16 Jun 2026	5	13.89	91.40	6.2	33.68	8.0	25.2	0.48	0.96
C4	16 Jun 2026	6	12.79	90.54	5.4	33.59	7.9	25.3	0.28	1.01
C4	16 Jun 2026	7	12.52	88.82	5.1	33.56	7.9	25.4	0.28	0.99
C4	16 Jun 2026	8	12.38	87.42	5.0	33.55	7.9	25.4	0.32	1.01
C4	16 Jun 2026	9	12.31	82.26	4.9	33.55	7.9	25.4	0.34	1.02
C4	16 Jun 2026	10	12.28	71.64	4.8	33.54	7.9	25.4	0.36	1.07
C4	16 Jun 2026	11	12.30	69.84	4.7	33.53	7.9	25.4	0.36	1.11
C4	16 Jun 2026	12	12.31	67.53	4.7	33.55	7.9	25.4	0.39	1.12
C4	24 Jun 2026	1	16.73	83.02	9.1	33.49	8.2	24.4	1.63	0.86
C4	24 Jun 2026	2	16.70	82.55	9.0	33.49	8.2	24.4	1.73	0.86
C4	24 Jun 2026	3	16.67	83.79	9.1	33.49	8.2	24.4	1.90	0.86
C4	24 Jun 2026	4	16.57	83.50	9.0	33.50	8.2	24.5	2.50	0.89
C4	24 Jun 2026	5	16.12	82.99	8.8	33.58	8.2	24.6	2.95	0.90
C4	24 Jun 2026	6	15.36	80.99	8.7	33.56	8.1	24.8	5.87	1.02
C4	24 Jun 2026	7	15.24	79.33	8.5	33.55	8.1	24.8	6.91	1.04
C4	24 Jun 2026	8	14.55	78.11	7.9	33.56	8.1	25.0	6.87	1.07

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)	CDOM (ppb)
C4	24 Jun 2026	9	14.19	80.76	7.3	33.56	8.0	25.0	2.20	1.11
C4	24 Jun 2026	10	13.82	85.95	7.0	33.56	8.0	25.1	1.23	1.12
C4	24 Jun 2026	11	13.21	88.55	6.5	33.53	8.0	25.2	0.71	1.11
C4	29 Jun 2026	1	17.96	86.89	9.1	33.48	8.2	24.1	1.45	0.80
C4	29 Jun 2026	2	17.97	87.18	9.1	33.47	8.2	24.1	1.50	0.80
C4	29 Jun 2026	3	17.85	86.91	9.1	33.48	8.2	24.1	1.63	0.80
C4	29 Jun 2026	4	17.74	85.84	9.2	33.47	8.2	24.2	2.25	0.81
C4	29 Jun 2026	5	17.74	85.78	9.1	33.47	8.2	24.2	2.33	0.82
C4	29 Jun 2026	6	17.59	85.39	9.2	33.47	8.2	24.2	2.57	0.83
C4	29 Jun 2026	7	17.36	85.01	9.1	33.48	8.2	24.3	2.92	0.85
C4	29 Jun 2026	8	17.02	84.06	9.2	33.47	8.2	24.3	4.05	0.94
C4	29 Jun 2026	9	15.91	82.67	8.7	33.54	8.2	24.6	4.73	0.97
C4	29 Jun 2026	10	14.82	81.91	8.1	33.51	8.1	24.9	4.13	1.16
C4	29 Jun 2026	11	14.84	84.81	7.8	33.48	8.1	24.8	3.26	1.19
C4	29 Jun 2026	12	14.20	87.29	7.4	33.48	8.0	25.0	2.02	1.26
A7	02 Jun 2026	1	16.21	84.09	7.7	33.41	8.1	24.5	1.99	1.00
A7	02 Jun 2026	2	16.40	84.24	7.7	33.44	8.1	24.5	1.80	0.98
A7	02 Jun 2026	3	16.00	83.84	7.7	33.50	8.1	24.6	1.92	0.98
A7	02 Jun 2026	4	15.67	83.70	7.7	33.48	8.1	24.7	2.20	1.01
A7	02 Jun 2026	5	15.51	84.67	7.8	33.48	8.1	24.7	2.20	1.02
A7	02 Jun 2026	6	15.20	85.43	7.6	33.50	8.1	24.8	2.43	1.05
A7	02 Jun 2026	7	14.60	85.70	7.3	33.53	8.1	24.9	3.01	1.05
A7	02 Jun 2026	8	14.41	86.35	7.0	33.51	8.0	24.9	2.54	1.04
A7	02 Jun 2026	9	14.23	88.06	6.8	33.51	8.0	25.0	1.84	1.04
A7	02 Jun 2026	10	13.91	88.46	6.5	33.52	8.0	25.1	1.45	1.02
A7	02 Jun 2026	11	13.51	89.80	6.2	33.56	8.0	25.2	1.16	1.02
A7	02 Jun 2026	12	12.79	90.71	5.6	33.61	7.9	25.4	1.18	1.03
A7	02 Jun 2026	13	12.50	91.40	5.2	33.57	7.9	25.4	1.06	1.01
A7	02 Jun 2026	14	12.34	91.47	5.0	33.56	7.9	25.4	1.08	1.00
A7	02 Jun 2026	15	12.30	91.84	4.9	33.56	7.9	25.4	1.03	0.98
A7	02 Jun 2026	16	12.29	92.25	4.8	33.55	7.9	25.4	1.18	0.99
A7	02 Jun 2026	17	12.27	92.77	4.8	33.56	7.8	25.4	1.04	1.00
A7	02 Jun 2026	18	12.25	92.65	4.7	33.56	7.8	25.4	1.00	1.00
A7	02 Jun 2026	19	12.25	92.24	4.6	33.56	7.8	25.4	0.96	0.99
A7	09 Jun 2026	1	19.61	87.82	9.0	33.46	8.3	23.7	1.49	0.80
A7	09 Jun 2026	2	19.61	87.80	9.0	33.46	8.3	23.7	1.36	0.80
A7	09 Jun 2026	3	19.60	87.93	9.0	33.46	8.3	23.7	1.42	0.80
A7	09 Jun 2026	4	19.59	88.20	9.0	33.46	8.3	23.7	1.49	0.80
A7	09 Jun 2026	5	19.59	88.67	9.0	33.46	8.3	23.7	1.48	0.80
A7	09 Jun 2026	6	19.56	88.72	9.0	33.46	8.3	23.7	1.51	0.80
A7	09 Jun 2026	7	19.45	88.92	8.9	33.46	8.2	23.7	1.59	0.78
A7	09 Jun 2026	8	18.91	89.06	8.6	33.44	8.2	23.9	1.82	0.75
A7	09 Jun 2026	9	18.64	91.01	8.4	33.40	8.2	23.9	1.06	0.68
A7	09 Jun 2026	10	18.55	93.15	8.4	33.40	8.2	23.9	0.94	0.67
A7	09 Jun 2026	11	18.55	93.10	8.4	33.40	8.2	23.9	1.34	0.71
A7	09 Jun 2026	12	18.52	92.44	8.4	33.41	8.2	23.9	1.44	0.74
A7	09 Jun 2026	13	18.28	91.46	8.4	33.45	8.2	24.0	2.00	0.81
A7	09 Jun 2026	14	17.61	90.18	8.2	33.51	8.2	24.2	2.32	0.90
A7	09 Jun 2026	15	16.34	89.43	7.7	33.53	8.2	24.5	2.27	0.96
A7	09 Jun 2026	16	15.09	87.28	7.2	33.56	8.1	24.8	1.92	1.07
A7	09 Jun 2026	17	14.82	86.94	6.9	33.52	8.1	24.9	1.83	1.07
A7	09 Jun 2026	18	14.14	87.09	6.6	33.53	8.0	25.0	2.08	1.07
A7	09 Jun 2026	19	13.63	87.32	6.2	33.52	8.0	25.1	1.99	1.09
A7	09 Jun 2026	20	13.51	87.44	6.1	33.50	8.0	25.1	1.88	1.10
A7	16 Jun 2026	1	17.90	60.75	8.0	33.43	8.2	24.1	0.80	0.84
A7	16 Jun 2026	2	17.53	64.50	7.9	33.48	8.2	24.2	0.85	0.83
A7	16 Jun 2026	3	17.06	81.36	7.8	33.46	8.1	24.3	1.01	0.88
A7	16 Jun 2026	4	15.97	89.85	7.5	33.56	8.1	24.6	1.28	0.92
A7	16 Jun 2026	5	14.79	90.41	7.2	33.50	8.1	24.9	1.57	0.95
A7	16 Jun 2026	6	14.52	90.53	7.1	33.48	8.1	24.9	2.23	0.98
A7	16 Jun 2026	7	14.15	90.80	7.0	33.52	8.1	25.0	2.67	0.97
A7	16 Jun 2026	8	13.44	90.74	6.5	33.53	8.0	25.2	2.17	0.97
A7	16 Jun 2026	9	12.88	92.35	6.1	33.53	8.0	25.3	1.37	0.95
A7	16 Jun 2026	10	12.62	93.48	5.8	33.53	7.9	25.3	1.07	0.95
A7	16 Jun 2026	11	12.55	93.82	5.6	33.51	7.9	25.3	0.86	0.93
A7	16 Jun 2026	12	12.10	93.84	5.4	33.58	7.9	25.5	0.88	0.92
A7	16 Jun 2026	13	11.52	94.20	5.1	33.59	7.9	25.6	0.88	0.90
A7	16 Jun 2026	14	11.48	94.28	4.9	33.58	7.8	25.6	0.66	0.88
A7	16 Jun 2026	15	11.43	94.25	4.8	33.58	7.8	25.6	0.62	0.89
A7	16 Jun 2026	16	11.41	94.58	4.7	33.58	7.8	25.6	0.49	0.89

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)	CDOM (ppb)
A7	16 Jun 2026	17	11.44	94.49	4.7	33.59	7.8	25.6	0.53	0.89
A7	16 Jun 2026	18	11.44	94.17	4.6	33.59	7.8	25.6	0.48	0.88
A7	16 Jun 2026	19	11.44	93.60	4.6	33.59	7.8	25.6	0.47	0.88
A7	24 Jun 2026	1	16.17	84.16	8.5	33.49	8.1	24.6	3.29	1.03
A7	24 Jun 2026	2	16.09	84.15	8.5	33.53	8.1	24.6	3.42	1.02
A7	24 Jun 2026	3	15.45	83.81	8.3	33.56	8.1	24.8	3.77	1.08
A7	24 Jun 2026	4	13.61	83.35	7.8	33.62	8.0	25.2	4.64	1.07
A7	24 Jun 2026	5	13.03	82.06	7.8	33.53	8.0	25.2	7.21	1.04
A7	24 Jun 2026	6	12.76	82.01	7.8	33.49	8.0	25.3	8.19	1.03
A7	24 Jun 2026	7	12.54	80.24	7.5	33.49	8.0	25.3	7.07	1.03
A7	24 Jun 2026	8	12.48	81.51	6.7	33.51	8.0	25.3	3.79	0.99
A7	24 Jun 2026	9	12.48	83.93	6.1	33.52	7.9	25.3	2.69	0.99
A7	24 Jun 2026	10	12.46	87.76	5.9	33.51	7.9	25.3	2.17	0.99
A7	24 Jun 2026	11	12.45	89.35	5.7	33.52	7.9	25.4	2.03	0.98
A7	24 Jun 2026	12	12.44	89.32	5.7	33.52	7.9	25.4	1.97	0.98
A7	24 Jun 2026	13	12.44	90.09	5.6	33.52	7.9	25.4	1.86	0.98
A7	24 Jun 2026	14	12.43	90.53	5.5	33.53	7.9	25.4	1.71	0.98
A7	24 Jun 2026	15	12.34	90.60	5.4	33.54	7.9	25.4	1.53	0.96
A7	24 Jun 2026	16	12.18	91.51	5.3	33.54	7.8	25.4	1.35	0.96
A7	24 Jun 2026	17	11.99	92.01	5.2	33.54	7.8	25.5	1.45	0.95
A7	24 Jun 2026	18	11.91	91.99	5.2	33.54	7.8	25.5	1.71	0.94
A7	24 Jun 2026	19	11.72	91.60	5.0	33.56	7.8	25.5	1.61	0.93
A7	29 Jun 2026	1	18.83	86.29	8.8	33.48	8.2	23.9	1.18	0.74
A7	29 Jun 2026	2	18.82	86.23	8.7	33.48	8.2	23.9	1.22	0.75
A7	29 Jun 2026	3	18.81	87.14	8.8	33.48	8.2	23.9	1.24	0.75
A7	29 Jun 2026	4	18.65	87.24	8.8	33.49	8.2	24.0	1.31	0.77
A7	29 Jun 2026	5	18.63	86.74	8.8	33.48	8.2	24.0	1.49	0.76
A7	29 Jun 2026	6	18.29	86.83	8.8	33.49	8.2	24.0	1.63	0.77
A7	29 Jun 2026	7	17.96	86.75	8.7	33.48	8.2	24.1	1.82	0.84
A7	29 Jun 2026	8	17.86	86.46	8.6	33.50	8.2	24.2	2.15	0.85
A7	29 Jun 2026	9	17.12	85.82	8.6	33.50	8.2	24.3	2.69	0.92
A7	29 Jun 2026	10	16.74	84.85	8.5	33.50	8.1	24.4	3.30	1.01
A7	29 Jun 2026	11	16.69	84.66	8.3	33.49	8.2	24.4	3.51	1.00
A7	29 Jun 2026	12	16.28	84.35	8.2	33.49	8.1	24.5	3.92	1.07
A7	29 Jun 2026	13	14.79	83.76	7.6	33.55	8.1	24.9	4.00	1.11
A7	29 Jun 2026	14	14.14	88.03	6.8	33.53	8.0	25.0	2.98	1.15
A7	29 Jun 2026	15	13.54	89.45	6.2	33.52	7.9	25.1	2.35	1.13
A7	29 Jun 2026	16	13.52	89.65	6.1	33.51	7.9	25.1	2.02	1.14
A7	29 Jun 2026	17	13.45	89.83	6.0	33.50	7.9	25.1	2.06	1.13
A7	29 Jun 2026	18	13.44	89.68	6.0	33.50	7.9	25.1	2.02	1.13
C5	02 Jun 2026	1	17.37	75.22	7.3	33.46	8.1	24.2	0.88	0.98
C5	02 Jun 2026	2	17.36	75.82	7.3	33.46	8.1	24.2	0.91	0.97
C5	02 Jun 2026	3	16.78	74.70	7.2	33.52	8.1	24.4	1.06	0.97
C5	02 Jun 2026	4	15.33	76.95	7.4	33.53	8.1	24.8	2.59	1.01
C5	02 Jun 2026	5	14.92	79.66	7.3	33.52	8.1	24.8	3.07	1.01
C5	02 Jun 2026	6	14.66	83.49	7.0	33.51	8.1	24.9	2.39	1.01
C5	02 Jun 2026	7	14.56	85.74	6.8	33.51	8.1	24.9	1.95	1.00
C5	02 Jun 2026	8	14.34	86.94	6.6	33.52	8.0	25.0	1.80	1.02
C5	02 Jun 2026	9	14.01	87.66	6.3	33.54	8.0	25.1	1.38	1.01
C5	02 Jun 2026	10	13.62	88.01	5.9	33.55	8.0	25.1	0.92	1.04
C5	02 Jun 2026	11	13.38	85.53	5.5	33.54	7.9	25.2	0.72	1.14
C5	09 Jun 2026	1	19.69	66.08	7.9	33.48	8.2	23.7	2.29	1.15
C5	09 Jun 2026	2	19.65	65.57	8.1	33.48	8.2	23.7	2.98	1.15
C5	09 Jun 2026	3	19.49	67.21	9.1	33.48	8.3	23.7	3.31	1.09
C5	09 Jun 2026	4	19.46	72.72	9.3	33.47	8.3	23.7	3.67	1.01
C5	09 Jun 2026	5	19.10	74.80	9.1	33.48	8.3	23.8	3.61	1.04
C5	09 Jun 2026	6	18.59	75.53	8.8	33.48	8.3	24.0	3.82	1.06
C5	09 Jun 2026	7	18.46	77.10	8.6	33.48	8.2	24.0	3.93	1.10
C5	09 Jun 2026	8	18.26	78.25	8.5	33.47	8.2	24.0	4.00	1.10
C5	09 Jun 2026	9	18.20	78.62	8.2	33.48	8.2	24.1	4.20	1.08
C5	09 Jun 2026	10	17.40	79.80	7.7	33.50	8.2	24.3	3.67	1.15
C5	09 Jun 2026	11	17.34	77.72	7.4	33.47	8.1	24.3	1.24	1.30
C5	16 Jun 2026	1	17.89	88.71	7.9	33.44	8.2	24.1	0.71	0.95
C5	16 Jun 2026	2	17.68	88.68	7.8	33.47	8.2	24.2	0.76	0.95
C5	16 Jun 2026	3	17.20	88.82	7.7	33.47	8.2	24.3	0.93	0.92
C5	16 Jun 2026	4	16.60	89.04	7.5	33.48	8.1	24.4	1.08	0.94
C5	16 Jun 2026	5	15.83	88.51	7.2	33.50	8.1	24.6	0.86	1.01
C5	16 Jun 2026	6	14.97	87.13	6.8	33.49	8.1	24.8	0.89	0.97
C5	16 Jun 2026	7	14.73	90.54	6.6	33.49	8.0	24.9	0.80	0.96

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)	CDOM (ppb)
C5	16 Jun 2026	8	14.02	90.15	6.3	33.51	8.0	25.0	0.57	0.99
C5	16 Jun 2026	9	13.64	89.81	6.0	33.52	8.0	25.1	0.54	1.00
C5	16 Jun 2026	10	13.35	86.17	5.9	33.51	8.0	25.2	0.47	1.05
C5	16 Jun 2026	11	13.21	77.23	5.7	33.51	8.0	25.2	0.48	1.11
C5	24 Jun 2026	1	16.27	81.34	8.2	33.51	8.1	24.5	2.30	1.10
C5	24 Jun 2026	2	15.98	80.54	8.2	33.53	8.1	24.6	2.49	1.09
C5	24 Jun 2026	3	15.88	78.63	8.4	33.52	8.1	24.6	3.55	1.04
C5	24 Jun 2026	4	14.76	79.84	8.0	33.64	8.1	25.0	3.50	1.07
C5	24 Jun 2026	5	14.04	81.02	7.5	33.58	8.0	25.1	3.62	1.05
C5	24 Jun 2026	6	13.92	82.66	7.1	33.55	8.0	25.1	2.92	1.03
C5	24 Jun 2026	7	13.81	85.53	6.8	33.54	8.0	25.1	2.38	1.02
C5	24 Jun 2026	8	13.65	87.82	6.7	33.55	8.0	25.1	1.82	1.02
C5	24 Jun 2026	9	13.63	88.40	6.5	33.54	8.0	25.1	1.65	1.03
C5	24 Jun 2026	10	13.59	89.19	6.4	33.53	8.0	25.1	1.51	1.03
C5	29 Jun 2026	1	18.09	82.68	8.7	33.48	8.2	24.1	1.07	1.08
C5	29 Jun 2026	2	18.09	82.59	8.7	33.48	8.2	24.1	1.00	1.08
C5	29 Jun 2026	3	18.08	82.89	8.8	33.48	8.2	24.1	1.11	1.05
C5	29 Jun 2026	4	17.90	83.59	8.7	33.49	8.2	24.1	1.48	1.06
C5	29 Jun 2026	5	17.82	82.77	8.6	33.49	8.2	24.2	1.72	1.14
C5	29 Jun 2026	6	17.76	81.16	8.5	33.49	8.2	24.2	1.83	1.17
C5	29 Jun 2026	7	17.53	80.42	8.4	33.49	8.2	24.2	1.69	1.19
C5	29 Jun 2026	8	17.46	79.18	8.4	33.48	8.2	24.2	1.53	1.19
C5	29 Jun 2026	9	17.36	79.12	8.4	33.49	8.2	24.3	1.71	1.18
C5	29 Jun 2026	10	16.35	79.28	7.9	33.54	8.1	24.5	1.60	1.22
C5	29 Jun 2026	11	14.94	73.98	7.1	33.52	8.0	24.8	0.79	1.35
A6	02 Jun 2026	1	15.79	85.70	7.8	33.45	8.1	24.6	2.53	0.98
A6	02 Jun 2026	2	15.60	85.47	7.8	33.47	8.1	24.7	2.62	0.99
A6	02 Jun 2026	3	15.09	85.80	7.7	33.50	8.1	24.8	2.97	1.00
A6	02 Jun 2026	4	14.57	85.59	7.5	33.51	8.1	24.9	3.62	1.05
A6	02 Jun 2026	5	14.17	85.49	7.2	33.50	8.1	25.0	4.10	1.10
A6	02 Jun 2026	6	13.81	85.42	6.9	33.51	8.0	25.1	3.99	1.11
A6	02 Jun 2026	7	13.71	85.33	6.7	33.49	8.0	25.1	3.67	1.13
A6	02 Jun 2026	8	13.46	85.83	6.4	33.51	8.0	25.1	3.18	1.12
A6	02 Jun 2026	9	13.33	87.04	6.2	33.51	8.0	25.2	2.55	1.10
A6	02 Jun 2026	10	13.15	88.01	5.9	33.53	8.0	25.2	2.26	1.09
A6	02 Jun 2026	11	12.51	89.15	5.5	33.59	7.9	25.4	1.94	1.05
A6	02 Jun 2026	12	12.35	90.47	5.1	33.56	7.9	25.4	1.42	1.02
A6	02 Jun 2026	13	12.30	91.60	5.0	33.56	7.9	25.4	1.36	1.01
A6	02 Jun 2026	14	12.28	92.27	4.9	33.55	7.9	25.4	1.29	0.99
A6	02 Jun 2026	15	12.26	92.76	4.8	33.55	7.9	25.4	1.32	0.99
A6	02 Jun 2026	16	12.24	92.80	4.8	33.55	7.9	25.4	1.09	0.98
A6	02 Jun 2026	17	12.23	91.90	4.8	33.56	7.8	25.4	1.11	1.00
A6	02 Jun 2026	18	12.23	91.90	4.8	33.55	7.8	25.4	1.17	1.00
A6	02 Jun 2026	19	12.23	91.29	4.8	33.55	7.8	25.4	1.18	1.00
A6	02 Jun 2026	20	12.23	91.45	4.7	33.55	7.8	25.4	1.16	0.98
A6	02 Jun 2026	21	12.23	90.72	4.7	33.56	7.8	25.4	1.22	0.99
A6	09 Jun 2026	1	19.49	88.11	9.2	33.46	8.3	23.7	2.16	0.78
A6	09 Jun 2026	2	19.46	88.19	9.2	33.46	8.3	23.7	2.32	0.80
A6	09 Jun 2026	3	19.17	87.93	8.9	33.44	8.2	23.8	2.06	0.76
A6	09 Jun 2026	4	18.93	88.37	8.8	33.43	8.2	23.8	1.77	0.74
A6	09 Jun 2026	5	18.76	89.95	8.6	33.40	8.2	23.9	1.72	0.69
A6	09 Jun 2026	6	18.70	92.10	8.6	33.40	8.2	23.9	1.21	0.68
A6	09 Jun 2026	7	18.70	92.73	8.5	33.40	8.2	23.9	1.21	0.68
A6	09 Jun 2026	8	18.54	92.92	8.4	33.40	8.2	23.9	1.28	0.70
A6	09 Jun 2026	9	18.51	92.86	8.5	33.40	8.2	23.9	1.21	0.71
A6	09 Jun 2026	10	18.43	92.56	8.5	33.41	8.2	24.0	1.36	0.71
A6	09 Jun 2026	11	18.38	91.48	8.5	33.42	8.2	24.0	1.77	0.78
A6	09 Jun 2026	12	18.34	88.64	8.6	33.42	8.2	24.0	2.23	0.80
A6	09 Jun 2026	13	18.31	84.86	8.6	33.43	8.2	24.0	2.39	0.85
A6	09 Jun 2026	14	18.13	82.86	8.7	33.45	8.2	24.1	2.85	0.90
A6	09 Jun 2026	15	17.65	82.08	8.6	33.51	8.2	24.2	3.44	0.95
A6	09 Jun 2026	16	17.38	82.72	8.3	33.50	8.1	24.3	3.61	1.00
A6	09 Jun 2026	17	15.44	84.83	7.5	33.64	8.1	24.8	3.58	1.05
A6	09 Jun 2026	18	14.53	84.88	6.9	33.48	8.0	24.9	3.11	1.08
A6	09 Jun 2026	19	14.55	85.29	6.7	33.53	8.0	24.9	2.95	1.08
A6	09 Jun 2026	20	13.78	85.24	6.4	33.51	8.0	25.1	2.62	1.08
A6	09 Jun 2026	21	14.16	84.18	6.4	33.43	8.0	24.9	2.48	1.10
A6	16 Jun 2026	1	18.08	91.70	8.2	33.42	8.2	24.0	0.80	0.84
A6	16 Jun 2026	2	17.95	91.73	8.2	33.44	8.2	24.1	0.78	0.84

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)	CDOM (ppb)
A6	16 Jun 2026	3	17.15	91.83	8.3	33.48	8.2	24.3	0.82	0.85
A6	16 Jun 2026	4	16.32	91.96	8.1	33.50	8.2	24.5	1.06	0.87
A6	16 Jun 2026	5	15.20	91.39	7.8	33.53	8.1	24.8	1.57	0.93
A6	16 Jun 2026	6	14.64	90.86	7.3	33.53	8.1	24.9	2.12	0.96
A6	16 Jun 2026	7	14.13	91.06	6.9	33.53	8.0	25.0	1.93	0.97
A6	16 Jun 2026	8	13.96	92.41	6.6	33.52	8.0	25.0	1.56	0.96
A6	16 Jun 2026	9	13.59	93.30	6.4	33.52	8.0	25.1	1.35	0.97
A6	16 Jun 2026	10	13.42	93.57	6.2	33.52	8.0	25.2	0.98	0.97
A6	16 Jun 2026	11	13.22	94.26	6.0	33.53	8.0	25.2	0.89	0.96
A6	16 Jun 2026	12	12.86	94.56	5.8	33.55	7.9	25.3	0.77	0.95
A6	16 Jun 2026	13	12.48	94.91	5.6	33.57	7.9	25.4	0.68	0.95
A6	16 Jun 2026	14	12.12	94.93	5.3	33.56	7.9	25.5	0.65	0.93
A6	16 Jun 2026	15	12.03	95.19	5.2	33.56	7.9	25.5	0.59	0.92
A6	16 Jun 2026	16	11.91	95.22	5.1	33.57	7.9	25.5	0.54	0.92
A6	16 Jun 2026	17	11.83	95.16	5.0	33.57	7.9	25.5	0.52	0.93
A6	16 Jun 2026	18	11.72	95.15	4.8	33.58	7.9	25.5	0.47	0.93
A6	16 Jun 2026	19	11.64	94.76	4.8	33.60	7.8	25.6	0.40	0.91
A6	16 Jun 2026	20	11.56	94.22	4.7	33.60	7.8	25.6	0.38	0.90
A6	16 Jun 2026	21	11.49	93.70	4.6	33.60	7.8	25.6	0.38	0.89
A6	24 Jun 2026	1	16.10	79.90	8.9	33.48	8.1	24.6	4.91	0.98
A6	24 Jun 2026	2	15.60	79.84	8.9	33.54	8.1	24.7	5.06	0.99
A6	24 Jun 2026	3	15.23	80.15	8.9	33.52	8.1	24.8	5.32	0.99
A6	24 Jun 2026	4	14.89	80.12	8.9	33.52	8.1	24.9	5.54	1.00
A6	24 Jun 2026	5	14.86	80.20	8.8	33.49	8.1	24.8	6.38	0.99
A6	24 Jun 2026	6	14.74	79.65	8.6	33.51	8.1	24.9	6.24	1.00
A6	24 Jun 2026	7	14.76	80.04	8.4	33.49	8.1	24.9	6.26	1.01
A6	24 Jun 2026	8	14.43	80.48	8.2	33.53	8.1	25.0	6.22	1.01
A6	24 Jun 2026	9	14.12	81.67	7.8	33.53	8.0	25.0	5.47	1.02
A6	24 Jun 2026	10	13.71	82.53	7.4	33.55	8.0	25.1	4.98	1.04
A6	24 Jun 2026	11	13.45	79.84	7.0	33.52	8.0	25.2	4.10	1.04
A6	24 Jun 2026	12	13.26	76.45	6.8	33.54	8.0	25.2	3.18	1.02
A6	24 Jun 2026	13	12.81	71.18	6.5	33.53	7.9	25.3	2.63	1.01
A6	24 Jun 2026	14	12.95	84.48	6.3	33.51	7.9	25.2	2.60	0.99
A6	24 Jun 2026	15	12.17	85.34	6.1	33.56	7.9	25.4	4.01	1.01
A6	24 Jun 2026	16	12.02	82.39	5.7	33.53	7.9	25.4	3.15	0.97
A6	24 Jun 2026	17	12.00	85.15	5.5	33.53	7.9	25.4	2.63	0.95
A6	24 Jun 2026	18	11.98	87.86	5.4	33.53	7.9	25.5	2.27	0.96
A6	24 Jun 2026	19	11.92	89.35	5.3	33.53	7.9	25.5	2.18	0.94
A6	29 Jun 2026	1	17.45	84.99	9.0	33.48	8.2	24.2	2.05	1.09
A6	29 Jun 2026	2	17.35	84.34	9.0	33.48	8.2	24.3	2.22	1.07
A6	29 Jun 2026	3	17.32	84.31	8.9	33.48	8.2	24.3	2.68	1.05
A6	29 Jun 2026	4	17.23	83.84	8.9	33.48	8.2	24.3	3.12	1.05
A6	29 Jun 2026	5	17.19	83.72	8.8	33.48	8.2	24.3	3.43	1.06
A6	29 Jun 2026	6	16.52	83.77	8.5	33.51	8.2	24.5	3.67	1.08
A6	29 Jun 2026	7	15.79	84.40	8.1	33.53	8.1	24.7	4.02	1.10
A6	29 Jun 2026	8	15.57	85.17	7.8	33.49	8.1	24.7	3.70	1.13
A6	29 Jun 2026	9	15.58	85.41	7.8	33.49	8.1	24.7	3.64	1.12
A6	29 Jun 2026	10	15.56	84.95	7.7	33.49	8.1	24.7	3.56	1.13
A6	29 Jun 2026	11	15.55	84.31	7.7	33.49	8.1	24.7	3.93	1.13
A6	29 Jun 2026	12	15.48	82.48	7.7	33.49	8.1	24.7	3.99	1.14
A6	29 Jun 2026	13	15.26	84.18	7.5	33.50	8.1	24.8	3.49	1.13
A6	29 Jun 2026	14	15.09	85.17	7.3	33.49	8.0	24.8	3.27	1.13
A6	29 Jun 2026	15	14.94	86.83	7.2	33.51	8.0	24.8	3.16	1.13
A6	29 Jun 2026	16	14.72	87.38	7.0	33.50	8.0	24.9	2.74	1.12
A6	29 Jun 2026	17	14.74	88.69	6.9	33.50	8.0	24.9	2.47	1.12
A6	29 Jun 2026	18	14.15	89.00	6.7	33.53	8.0	25.0	2.38	1.06
C6	02 Jun 2026	1	16.44	82.12	7.8	33.46	8.1	24.5	1.57	0.96
C6	02 Jun 2026	2	16.41	82.14	7.7	33.47	8.1	24.5	1.67	0.95
C6	02 Jun 2026	3	15.79	82.59	7.7	33.52	8.1	24.7	1.93	0.97
C6	02 Jun 2026	4	15.36	82.97	7.7	33.49	8.1	24.7	3.15	0.98
C6	02 Jun 2026	5	15.13	83.13	7.6	33.49	8.1	24.8	3.46	1.02
C6	02 Jun 2026	6	14.80	84.24	7.3	33.50	8.1	24.9	3.49	1.02
C6	02 Jun 2026	7	14.54	84.74	7.1	33.51	8.1	24.9	3.16	1.04
C6	02 Jun 2026	8	14.44	85.14	6.9	33.49	8.1	24.9	3.10	1.05
C6	02 Jun 2026	9	13.69	85.53	6.4	33.58	8.0	25.2	2.60	1.06
C6	02 Jun 2026	10	13.39	85.46	5.7	33.55	7.9	25.2	0.79	1.12
C6	09 Jun 2026	1	19.80	76.22	9.1	33.47	8.3	23.6	2.00	0.87
C6	09 Jun 2026	2	19.82	77.95	9.2	33.47	8.3	23.6	2.04	0.90
C6	09 Jun 2026	3	19.72	79.93	9.2	33.48	8.3	23.7	2.16	0.88
C6	09 Jun 2026	4	19.46	81.19	9.4	33.48	8.3	23.7	2.88	0.88

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)	CDOM (ppb)
C6	09 Jun 2026	5	19.31	81.35	9.4	33.47	8.3	23.8	3.72	0.92
C6	09 Jun 2026	6	19.09	81.48	9.4	33.47	8.3	23.8	4.34	0.94
C6	09 Jun 2026	7	19.05	80.52	8.9	33.46	8.3	23.8	4.22	0.97
C6	09 Jun 2026	8	18.62	78.85	8.2	33.48	8.2	24.0	3.31	1.03
C6	09 Jun 2026	9	18.04	77.99	7.6	33.50	8.2	24.1	2.33	1.17
C6	16 Jun 2026	1	17.88	77.08	7.6	33.30	8.2	24.0	0.69	1.03
C6	16 Jun 2026	2	17.38	74.98	7.4	33.46	8.2	24.2	0.69	1.08
C6	16 Jun 2026	3	16.89	81.30	7.3	33.46	8.1	24.4	0.71	1.09
C6	16 Jun 2026	4	16.27	80.23	7.3	33.47	8.1	24.5	0.75	1.10
C6	16 Jun 2026	5	15.85	84.03	7.5	33.45	8.1	24.6	1.64	1.00
C6	16 Jun 2026	6	15.57	89.15	7.4	33.47	8.1	24.7	2.05	0.98
C6	16 Jun 2026	7	14.72	90.37	7.1	33.49	8.1	24.9	1.97	1.01
C6	16 Jun 2026	8	14.17	91.60	6.6	33.50	8.0	25.0	1.45	1.01
C6	16 Jun 2026	9	13.88	88.18	6.3	33.48	8.0	25.0	0.54	1.05
C6	24 Jun 2026	1	16.75	82.39	8.5	33.50	8.2	24.4	1.84	1.00
C6	24 Jun 2026	2	16.37	82.25	8.5	33.55	8.2	24.5	1.90	1.01
C6	24 Jun 2026	3	15.99	82.04	8.6	33.56	8.2	24.6	2.41	1.02
C6	24 Jun 2026	4	15.44	81.32	8.7	33.56	8.2	24.8	5.47	1.01
C6	24 Jun 2026	5	15.29	79.43	8.8	33.54	8.1	24.8	8.46	1.03
C6	24 Jun 2026	6	15.02	76.77	8.5	33.54	8.1	24.8	10.72	1.04
C6	24 Jun 2026	7	14.69	73.45	8.3	33.55	8.1	24.9	9.44	1.01
C6	24 Jun 2026	8	14.67	74.88	8.1	33.53	8.1	24.9	5.90	1.01
C6	24 Jun 2026	9	13.77	78.48	7.5	33.67	8.1	25.2	4.21	1.01
C6	24 Jun 2026	10	12.94	83.12	6.6	33.63	7.9	25.3	1.16	1.07
C6	29 Jun 2026	1	18.74	86.49	8.9	33.48	8.2	23.9	0.77	0.77
C6	29 Jun 2026	2	18.72	86.87	8.9	33.48	8.2	23.9	0.76	0.75
C6	29 Jun 2026	3	18.60	86.86	8.9	33.49	8.2	24.0	0.84	0.74
C6	29 Jun 2026	4	18.44	86.54	8.9	33.49	8.2	24.0	1.04	0.75
C6	29 Jun 2026	5	18.38	86.39	9.0	33.48	8.2	24.0	1.21	0.78
C6	29 Jun 2026	6	18.24	86.03	8.9	33.49	8.2	24.1	1.33	0.79
C6	29 Jun 2026	7	18.13	86.26	8.9	33.48	8.2	24.1	1.42	0.83
C6	29 Jun 2026	8	17.92	86.12	8.9	33.49	8.2	24.1	1.39	0.84
C6	29 Jun 2026	9	17.55	85.98	8.9	33.50	8.2	24.2	1.37	0.86
C7	02 Jun 2026	1	16.18	79.62	8.0	33.46	8.1	24.5	3.25	0.95
C7	02 Jun 2026	2	15.90	79.71	7.9	33.49	8.1	24.6	3.59	0.98
C7	02 Jun 2026	3	15.49	79.72	7.7	33.49	8.1	24.7	3.86	0.98
C7	02 Jun 2026	4	14.23	80.00	7.4	33.55	8.1	25.0	4.10	1.02
C7	02 Jun 2026	5	14.02	80.87	7.0	33.50	8.0	25.0	3.44	1.04
C7	02 Jun 2026	6	13.78	82.02	6.8	33.49	8.0	25.1	3.06	1.03
C7	02 Jun 2026	7	13.64	86.62	6.6	33.50	8.0	25.1	2.75	1.07
C7	02 Jun 2026	8	13.44	86.76	6.5	33.50	8.0	25.1	2.76	1.09
C7	02 Jun 2026	9	13.17	87.86	6.2	33.51	8.0	25.2	2.52	1.08
C7	02 Jun 2026	10	12.92	87.98	5.8	33.54	7.9	25.3	1.43	1.06
C7	02 Jun 2026	11	12.78	88.14	5.4	33.54	7.9	25.3	1.11	1.05
C7	02 Jun 2026	12	12.61	89.35	5.2	33.54	7.9	25.3	1.12	1.03
C7	02 Jun 2026	13	12.55	89.96	5.2	33.55	7.9	25.4	1.16	1.00
C7	02 Jun 2026	14	12.46	89.72	5.1	33.54	7.9	25.4	1.19	1.01
C7	02 Jun 2026	15	12.42	90.61	5.0	33.54	7.9	25.4	1.21	1.01
C7	02 Jun 2026	16	12.37	90.84	4.9	33.55	7.9	25.4	1.08	1.00
C7	02 Jun 2026	17	12.35	90.91	4.8	33.55	7.9	25.4	1.02	1.00
C7	02 Jun 2026	18	12.33	90.51	4.7	33.55	7.8	25.4	0.84	1.02
C7	09 Jun 2026	1	19.74	86.52	9.1	33.47	8.3	23.7	1.81	0.82
C7	09 Jun 2026	2	19.73	86.23	9.1	33.47	8.3	23.7	1.90	0.82
C7	09 Jun 2026	3	19.70	86.33	9.0	33.47	8.3	23.7	2.25	0.83
C7	09 Jun 2026	4	19.61	86.49	9.0	33.47	8.3	23.7	2.72	0.83
C7	09 Jun 2026	5	19.37	85.87	9.3	33.48	8.3	23.8	3.82	0.85
C7	09 Jun 2026	6	19.21	84.32	9.6	33.47	8.3	23.8	4.23	0.87
C7	09 Jun 2026	7	19.08	83.63	9.6	33.46	8.3	23.8	4.03	0.85
C7	09 Jun 2026	8	18.94	84.00	9.4	33.45	8.3	23.9	3.95	0.85
C7	09 Jun 2026	9	18.75	86.03	9.2	33.44	8.2	23.9	2.72	0.77
C7	09 Jun 2026	10	18.72	87.71	9.4	33.45	8.3	23.9	2.53	0.80
C7	09 Jun 2026	11	18.40	86.41	9.4	33.49	8.3	24.0	3.78	0.96
C7	09 Jun 2026	12	18.07	84.14	9.2	33.50	8.2	24.1	5.02	1.09
C7	09 Jun 2026	13	17.71	80.54	8.8	33.48	8.2	24.2	5.72	1.15
C7	09 Jun 2026	14	17.68	79.39	8.7	33.47	8.2	24.2	5.70	1.18
C7	09 Jun 2026	15	17.52	78.88	8.3	33.49	8.2	24.2	5.72	1.16
C7	09 Jun 2026	16	16.63	78.99	7.4	33.58	8.1	24.5	4.22	1.19
C7	09 Jun 2026	17	14.85	82.74	6.1	33.56	8.0	24.9	1.09	1.23
C7	09 Jun 2026	18	15.19	83.20	5.8	33.44	7.9	24.7	0.55	1.27

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)	CDOM (ppb)
C7	16 Jun 2026	1	19.06	89.15	8.0	33.45	8.2	23.8	1.02	0.84
C7	16 Jun 2026	2	19.03	89.08	8.0	33.46	8.2	23.8	1.07	0.83
C7	16 Jun 2026	3	18.85	88.97	8.0	33.47	8.2	23.9	1.33	0.87
C7	16 Jun 2026	4	18.80	88.50	8.1	33.46	8.2	23.9	1.62	0.89
C7	16 Jun 2026	5	18.39	87.54	8.0	33.50	8.2	24.0	1.84	0.91
C7	16 Jun 2026	6	17.04	87.31	8.2	33.49	8.2	24.3	1.79	0.92
C7	16 Jun 2026	7	16.95	89.11	8.5	33.44	8.2	24.3	1.68	0.91
C7	16 Jun 2026	8	16.07	91.69	8.6	33.46	8.2	24.5	1.69	0.89
C7	16 Jun 2026	9	15.52	91.05	8.3	33.51	8.2	24.7	2.13	0.94
C7	16 Jun 2026	10	14.33	88.56	7.6	33.53	8.1	25.0	3.73	1.02
C7	16 Jun 2026	11	13.56	89.20	6.9	33.59	8.0	25.2	3.82	1.03
C7	16 Jun 2026	12	12.72	92.58	6.1	33.58	8.0	25.3	1.84	0.98
C7	16 Jun 2026	13	12.63	94.22	5.7	33.56	7.9	25.3	1.02	0.95
C7	16 Jun 2026	14	12.54	94.29	5.6	33.54	7.9	25.4	0.77	0.95
C7	16 Jun 2026	15	12.38	94.17	5.4	33.56	7.9	25.4	0.59	0.95
C7	16 Jun 2026	16	12.33	92.39	5.3	33.55	7.9	25.4	0.50	0.95
C7	16 Jun 2026	17	12.30	90.86	5.2	33.54	7.9	25.4	0.45	0.96
C7	16 Jun 2026	18	12.33	90.07	5.2	33.55	7.9	25.4	0.45	0.98
C7	24 Jun 2026	1	15.72	77.79	9.2	33.45	8.2	24.6	6.15	1.00
C7	24 Jun 2026	2	15.74	75.03	9.2	33.50	8.2	24.7	6.26	1.01
C7	24 Jun 2026	3	15.52	74.41	9.1	33.55	8.2	24.7	6.38	0.99
C7	24 Jun 2026	4	15.15	78.23	8.9	33.54	8.1	24.8	6.81	1.01
C7	24 Jun 2026	5	14.92	77.87	8.6	33.54	8.1	24.9	7.64	1.02
C7	24 Jun 2026	6	14.64	78.07	8.3	33.56	8.1	24.9	7.87	1.02
C7	24 Jun 2026	7	14.22	78.13	7.9	33.56	8.1	25.0	7.78	1.01
C7	24 Jun 2026	8	14.00	79.57	7.5	33.54	8.0	25.1	5.85	1.01
C7	24 Jun 2026	9	13.88	82.67	7.2	33.55	8.0	25.1	3.74	1.00
C7	24 Jun 2026	10	13.55	84.25	6.8	33.57	8.0	25.2	2.93	0.98
C7	24 Jun 2026	11	12.96	87.18	6.4	33.56	8.0	25.3	2.51	0.98
C7	24 Jun 2026	12	12.75	89.62	6.0	33.56	7.9	25.3	2.14	0.96
C7	24 Jun 2026	13	12.69	90.32	5.9	33.56	7.9	25.3	1.95	0.96
C7	24 Jun 2026	14	12.60	90.63	5.7	33.55	7.9	25.3	1.93	0.97
C7	24 Jun 2026	15	12.30	91.39	5.6	33.55	7.9	25.4	1.71	0.95
C7	24 Jun 2026	16	12.09	91.85	5.4	33.56	7.9	25.5	1.42	0.93
C7	24 Jun 2026	17	12.04	92.60	5.2	33.54	7.9	25.5	1.15	0.91
C7	24 Jun 2026	18	11.95	93.60	5.1	33.54	7.8	25.5	0.85	0.89
C7	29 Jun 2026	1	18.29	85.29	9.6	33.48	8.3	24.0	1.31	0.94
C7	29 Jun 2026	2	18.27	85.79	9.6	33.49	8.3	24.0	1.43	0.94
C7	29 Jun 2026	3	18.17	86.10	9.6	33.49	8.3	24.1	1.87	0.95
C7	29 Jun 2026	4	18.07	85.53	9.5	33.49	8.3	24.1	2.24	0.96
C7	29 Jun 2026	5	17.61	85.21	9.3	33.51	8.2	24.2	2.50	0.97
C7	29 Jun 2026	6	17.10	84.30	9.1	33.50	8.2	24.3	3.48	1.01
C7	29 Jun 2026	7	16.55	82.79	9.0	33.52	8.2	24.5	4.21	1.07
C7	29 Jun 2026	8	16.21	82.44	8.7	33.51	8.2	24.6	3.97	1.14
C7	29 Jun 2026	9	15.76	83.34	8.4	33.51	8.1	24.7	3.85	1.16
C7	29 Jun 2026	10	15.25	82.78	8.1	33.51	8.1	24.8	5.34	1.15
C7	29 Jun 2026	11	14.45	82.79	7.1	33.56	8.0	25.0	6.89	1.21
C7	29 Jun 2026	12	13.43	82.81	6.3	33.51	7.9	25.2	8.62	1.17
C7	29 Jun 2026	13	13.34	83.47	6.1	33.50	7.9	25.2	8.34	1.16
C7	29 Jun 2026	14	13.28	84.57	5.9	33.49	7.9	25.2	6.81	1.14
C7	29 Jun 2026	15	13.02	86.13	5.7	33.52	7.9	25.2	6.19	1.12
C7	29 Jun 2026	16	12.78	90.15	5.2	33.52	7.8	25.3	2.09	1.10
C7	29 Jun 2026	17	12.76	92.19	5.0	33.52	7.8	25.3	1.40	1.08
C8	02 Jun 2026	1	17.23	79.37	7.9	33.46	8.1	24.3	2.24	0.92
C8	02 Jun 2026	2	17.11	79.20	7.9	33.47	8.1	24.3	2.35	0.93
C8	02 Jun 2026	3	16.24	78.87	8.1	33.53	8.1	24.6	2.73	0.95
C8	02 Jun 2026	4	15.16	78.92	8.4	33.53	8.2	24.8	3.39	0.96
C8	02 Jun 2026	5	14.69	79.93	8.3	33.49	8.1	24.9	4.73	0.98
C8	02 Jun 2026	6	14.47	80.43	7.9	33.48	8.1	24.9	6.33	1.01
C8	02 Jun 2026	7	13.68	80.92	7.4	33.55	8.1	25.1	5.37	1.04
C8	02 Jun 2026	8	13.18	81.43	6.7	33.53	8.0	25.2	4.02	1.01
C8	02 Jun 2026	9	12.88	85.89	6.1	33.54	8.0	25.3	2.96	1.00
C8	02 Jun 2026	10	12.81	87.10	5.8	33.52	8.0	25.3	2.31	0.99
C8	02 Jun 2026	11	12.74	89.64	5.7	33.53	7.9	25.3	2.11	0.99
C8	02 Jun 2026	12	12.63	89.78	5.5	33.54	7.9	25.3	1.99	0.98
C8	02 Jun 2026	13	12.59	90.88	5.3	33.54	7.9	25.3	1.47	0.97
C8	02 Jun 2026	14	12.54	91.33	5.2	33.54	7.9	25.4	1.46	0.98
C8	02 Jun 2026	15	12.50	91.14	5.1	33.54	7.9	25.4	1.37	0.98
C8	02 Jun 2026	16	12.41	90.61	5.0	33.55	7.9	25.4	1.16	0.97
C8	02 Jun 2026	17	12.38	90.01	4.9	33.55	7.9	25.4	1.17	0.97

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)	CDOM (ppb)
C8	02 Jun 2026	18	12.34	88.96	4.8	33.55	7.9	25.4	1.00	0.99
C8	02 Jun 2026	19	12.33	87.71	4.7	33.55	7.9	25.4	0.95	0.99
C8	02 Jun 2026	20	12.33	85.98	4.8	33.54	7.9	25.4	1.07	1.01
C8	09 Jun 2026	1	20.09	79.87	8.5	33.48	8.3	23.6	2.16	0.91
C8	09 Jun 2026	2	20.07	79.94	8.6	33.47	8.3	23.6	2.17	0.91
C8	09 Jun 2026	3	20.04	79.98	8.7	33.47	8.3	23.6	2.36	0.92
C8	09 Jun 2026	4	19.82	80.03	9.0	33.48	8.3	23.6	2.73	0.89
C8	09 Jun 2026	5	19.30	81.06	9.4	33.48	8.3	23.8	3.46	0.86
C8	09 Jun 2026	6	19.15	82.29	9.7	33.46	8.3	23.8	3.83	0.84
C8	09 Jun 2026	7	18.97	82.76	9.7	33.45	8.3	23.8	3.57	0.83
C8	09 Jun 2026	8	18.43	85.40	9.9	33.46	8.3	24.0	3.46	0.86
C8	09 Jun 2026	9	18.32	85.43	9.7	33.46	8.3	24.0	4.25	0.98
C8	09 Jun 2026	10	18.07	84.30	9.6	33.45	8.3	24.1	5.04	1.06
C8	09 Jun 2026	11	17.63	83.29	9.0	33.47	8.3	24.2	5.43	1.07
C8	09 Jun 2026	12	17.31	80.95	8.4	33.48	8.2	24.3	6.06	1.12
C8	09 Jun 2026	13	17.24	80.94	8.1	33.47	8.2	24.3	6.05	1.13
C8	09 Jun 2026	14	17.05	80.52	7.8	33.47	8.2	24.3	6.77	1.16
C8	09 Jun 2026	15	16.61	80.39	7.2	33.48	8.1	24.4	7.19	1.18
C8	09 Jun 2026	16	15.91	78.40	6.6	33.52	8.1	24.6	6.28	1.24
C8	09 Jun 2026	17	15.07	78.37	5.9	33.55	8.0	24.8	3.42	1.26
C8	09 Jun 2026	18	14.13	80.76	5.2	33.53	7.9	25.0	1.04	1.24
C8	16 Jun 2026	1	18.89	90.75	8.2	33.44	8.2	23.9	0.82	0.80
C8	16 Jun 2026	2	18.89	90.81	8.2	33.45	8.2	23.9	0.87	0.80
C8	16 Jun 2026	3	18.81	90.81	8.1	33.45	8.2	23.9	0.99	0.80
C8	16 Jun 2026	4	18.44	90.44	8.2	33.48	8.2	24.0	1.12	0.82
C8	16 Jun 2026	5	17.25	90.50	8.2	33.52	8.2	24.3	1.24	0.86
C8	16 Jun 2026	6	16.73	89.35	8.3	33.46	8.2	24.4	1.72	0.93
C8	16 Jun 2026	7	16.53	89.21	8.2	33.45	8.2	24.4	2.06	0.93
C8	16 Jun 2026	8	16.25	88.85	8.1	33.46	8.2	24.5	2.44	0.95
C8	16 Jun 2026	9	15.94	87.59	8.0	33.46	8.1	24.6	3.26	0.99
C8	16 Jun 2026	10	15.48	87.49	7.8	33.49	8.1	24.7	3.48	1.01
C8	16 Jun 2026	11	14.81	87.51	7.5	33.49	8.1	24.9	4.07	1.04
C8	16 Jun 2026	12	14.32	88.91	7.1	33.49	8.1	25.0	3.63	1.04
C8	16 Jun 2026	13	13.90	90.19	6.8	33.51	8.0	25.1	3.15	1.03
C8	16 Jun 2026	14	13.28	91.34	6.2	33.53	8.0	25.2	1.77	1.02
C8	16 Jun 2026	15	13.23	93.16	6.0	33.52	8.0	25.2	1.15	1.00
C8	16 Jun 2026	16	12.69	93.43	5.7	33.55	7.9	25.3	1.11	1.01
C8	16 Jun 2026	17	12.56	92.83	5.3	33.54	7.9	25.4	0.55	0.99
C8	16 Jun 2026	18	12.56	90.75	5.2	33.53	7.9	25.3	0.53	0.99
C8	16 Jun 2026	19	12.55	90.30	5.1	33.53	7.9	25.3	0.56	1.00
C8	16 Jun 2026	20	12.56	90.43	5.0	33.53	7.9	25.3	0.52	1.00
C8	24 Jun 2026	1	16.73	74.25	9.1	33.50	8.2	24.4	7.65	0.99
C8	24 Jun 2026	2	16.60	74.31	9.2	33.51	8.2	24.5	7.83	1.01
C8	24 Jun 2026	3	15.96	72.60	9.3	33.54	8.2	24.6	8.54	0.99
C8	24 Jun 2026	4	15.62	73.70	9.3	33.53	8.2	24.7	7.41	1.00
C8	24 Jun 2026	5	15.44	75.27	9.2	33.52	8.2	24.7	7.70	1.00
C8	24 Jun 2026	6	15.34	77.23	9.1	33.51	8.2	24.8	8.93	0.99
C8	24 Jun 2026	7	15.29	77.10	9.1	33.51	8.2	24.8	9.56	1.00
C8	24 Jun 2026	8	15.25	76.66	9.0	33.51	8.2	24.8	9.22	1.01
C8	24 Jun 2026	9	15.11	76.80	9.0	33.52	8.1	24.8	9.57	1.01
C8	24 Jun 2026	10	14.88	76.84	8.7	33.53	8.1	24.9	10.84	1.00
C8	24 Jun 2026	11	14.55	76.55	8.3	33.53	8.1	24.9	9.70	1.01
C8	24 Jun 2026	12	14.30	77.53	7.9	33.53	8.1	25.0	7.41	0.99
C8	24 Jun 2026	13	13.53	78.44	7.1	33.59	8.0	25.2	5.87	0.99
C8	24 Jun 2026	14	12.42	83.27	6.3	33.59	8.0	25.4	3.40	0.95
C8	24 Jun 2026	15	12.22	88.01	5.8	33.56	7.9	25.4	1.95	0.92
C8	24 Jun 2026	16	12.16	89.46	5.5	33.54	7.9	25.4	1.63	0.90
C8	24 Jun 2026	17	12.13	91.40	5.4	33.54	7.9	25.4	1.49	0.92
C8	24 Jun 2026	18	12.08	92.12	5.4	33.53	7.9	25.4	1.47	0.90
C8	24 Jun 2026	19	12.03	92.30	5.3	33.53	7.9	25.4	1.40	0.90
C8	24 Jun 2026	20	12.01	92.39	5.3	33.53	7.9	25.4	1.41	0.92
C8	29 Jun 2026	1	18.33	82.30	9.7	33.49	8.3	24.0	2.35	0.95
C8	29 Jun 2026	2	18.25	81.72	9.7	33.50	8.3	24.1	2.14	0.96
C8	29 Jun 2026	3	17.51	81.86	9.6	33.54	8.2	24.3	2.94	0.96
C8	29 Jun 2026	4	16.07	80.58	9.5	33.56	8.2	24.6	5.49	1.09
C8	29 Jun 2026	5	14.81	78.36	8.9	33.55	8.1	24.9	7.10	1.18
C8	29 Jun 2026	6	14.19	79.57	7.8	33.51	8.0	25.0	7.41	1.19
C8	29 Jun 2026	7	13.47	81.19	6.9	33.50	8.0	25.1	7.35	1.15
C8	29 Jun 2026	8	13.34	82.55	6.4	33.49	7.9	25.2	7.04	1.16
C8	29 Jun 2026	9	13.22	83.66	6.1	33.49	7.9	25.2	6.91	1.15

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)	CDOM (ppb)
C8	29 Jun 2026	10	13.21	84.56	6.0	33.49	7.9	25.2	7.08	1.13
C8	29 Jun 2026	11	13.01	84.71	5.8	33.50	7.9	25.2	6.76	1.11
C8	29 Jun 2026	12	12.95	85.76	5.6	33.50	7.8	25.2	6.03	1.11
C8	29 Jun 2026	13	12.86	87.64	5.4	33.50	7.8	25.3	4.71	1.10
C8	29 Jun 2026	14	12.81	88.71	5.3	33.51	7.8	25.3	4.26	1.08
C8	29 Jun 2026	15	12.78	89.32	5.3	33.51	7.8	25.3	3.55	1.08
C8	29 Jun 2026	16	12.70	90.23	5.2	33.51	7.8	25.3	2.97	1.08
C8	29 Jun 2026	17	12.70	90.94	5.1	33.51	7.8	25.3	2.35	1.06
C8	29 Jun 2026	18	12.46	91.67	4.9	33.52	7.8	25.4	1.51	1.06
C8	29 Jun 2026	19	12.39	92.16	4.7	33.52	7.8	25.4	0.73	1.06

NA = not available

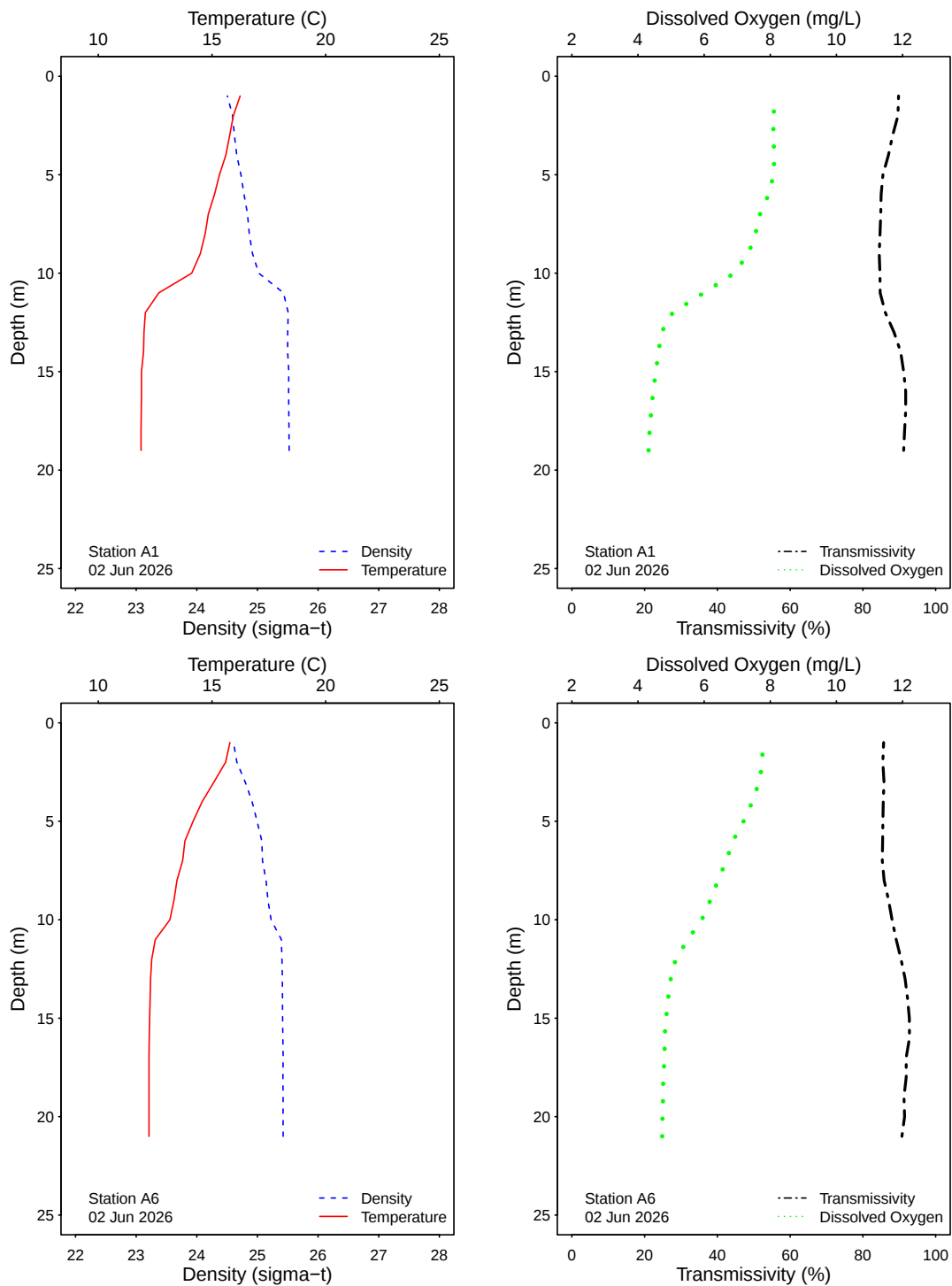


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

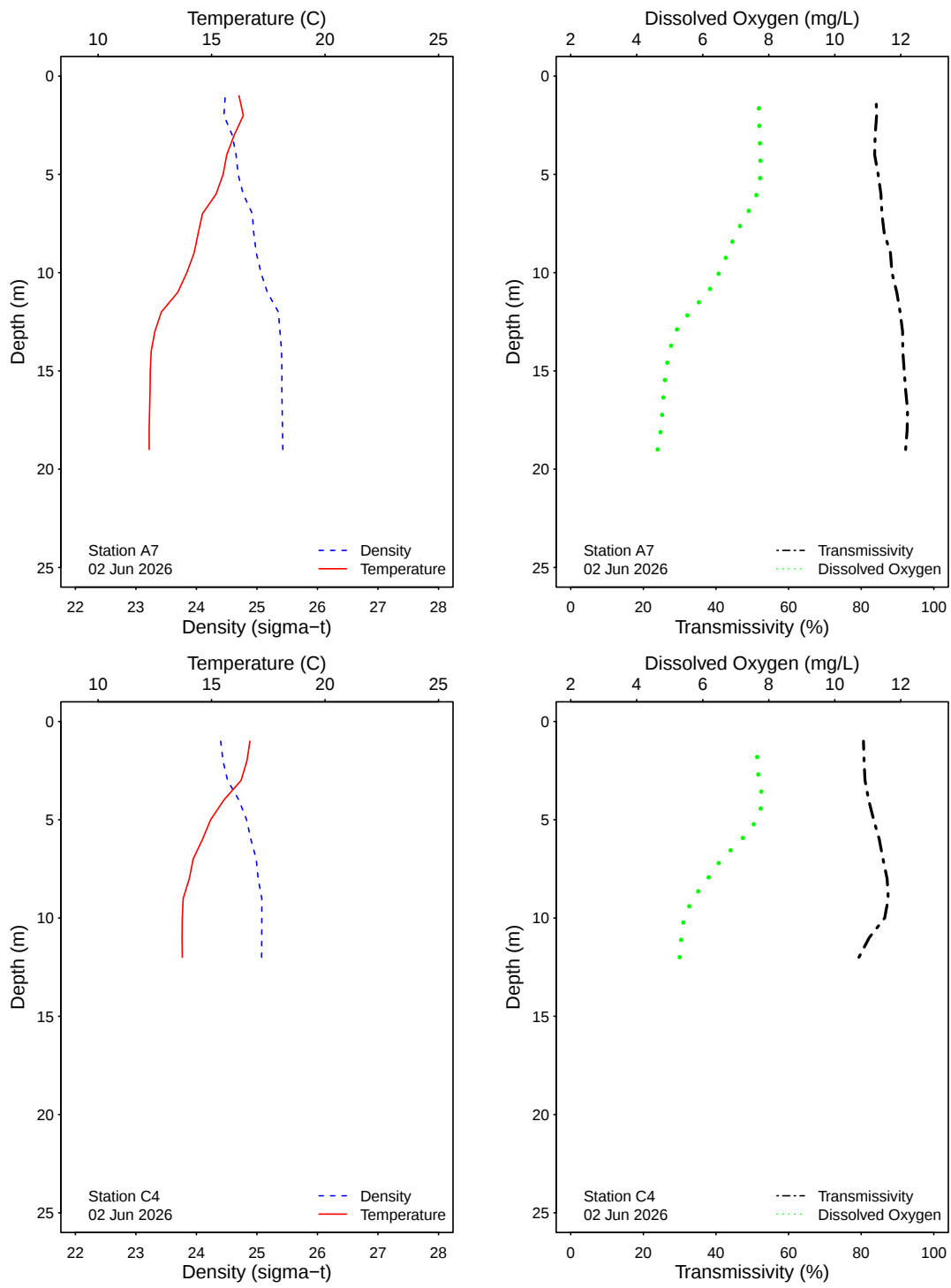


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

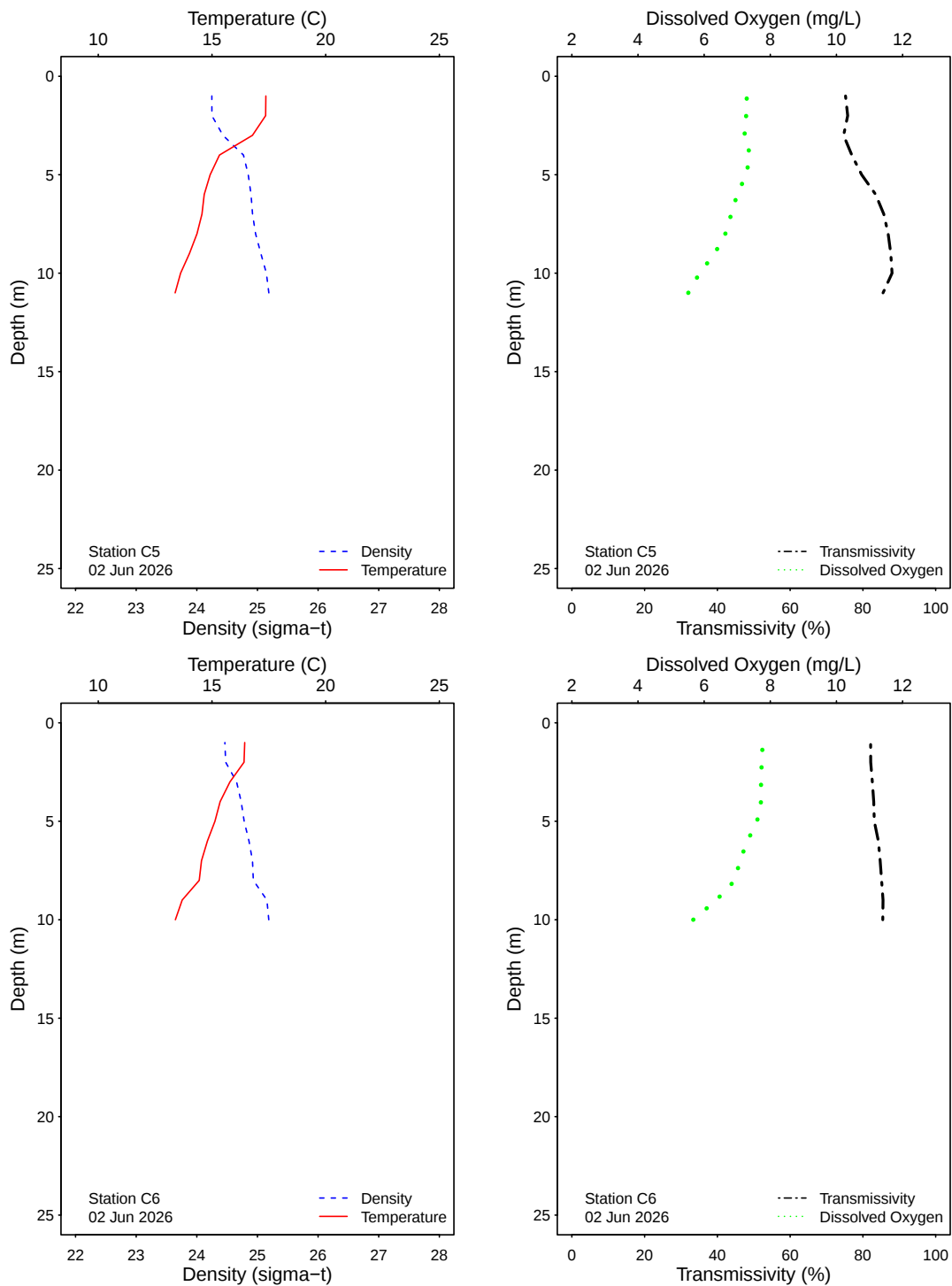


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

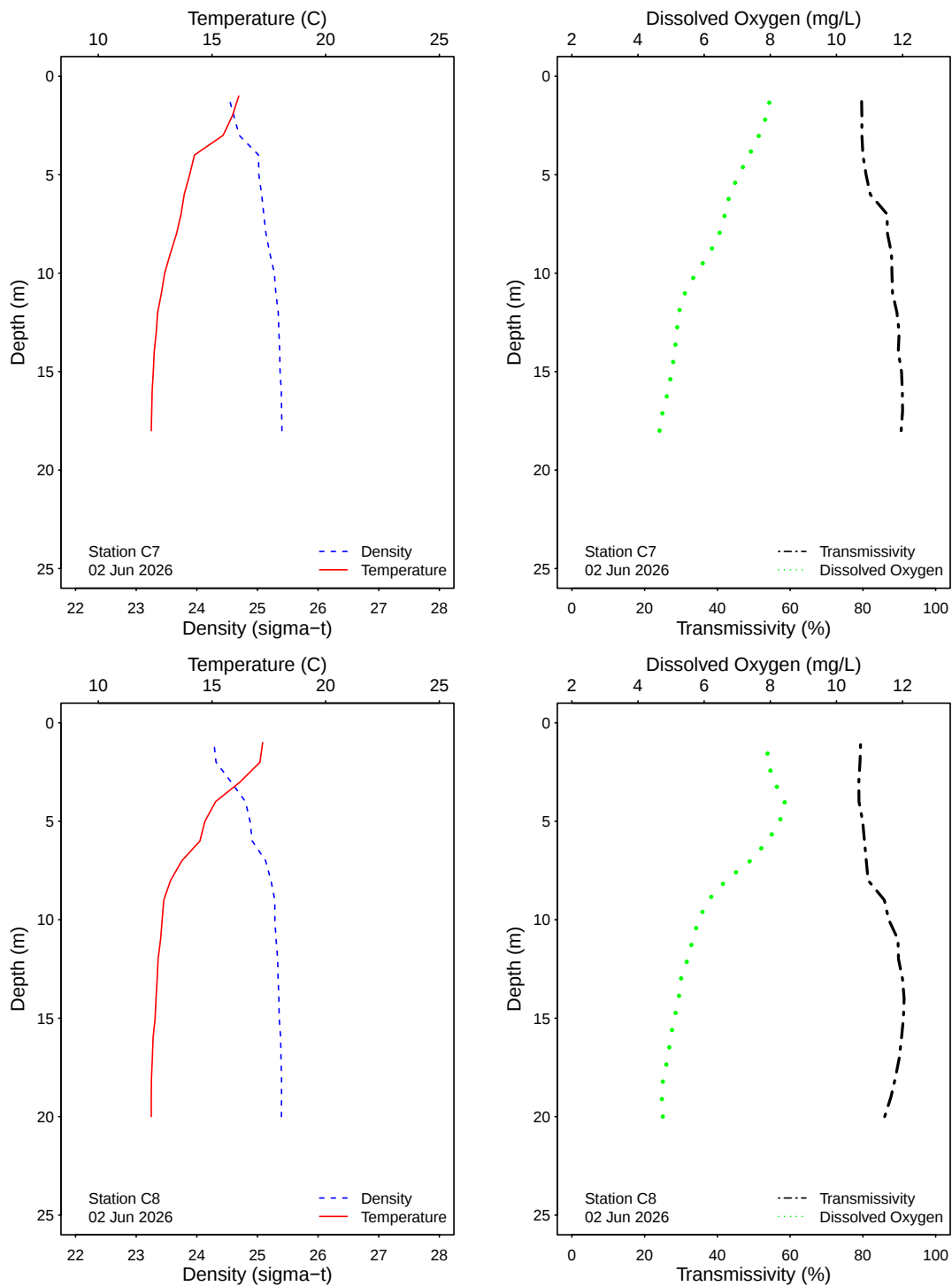


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

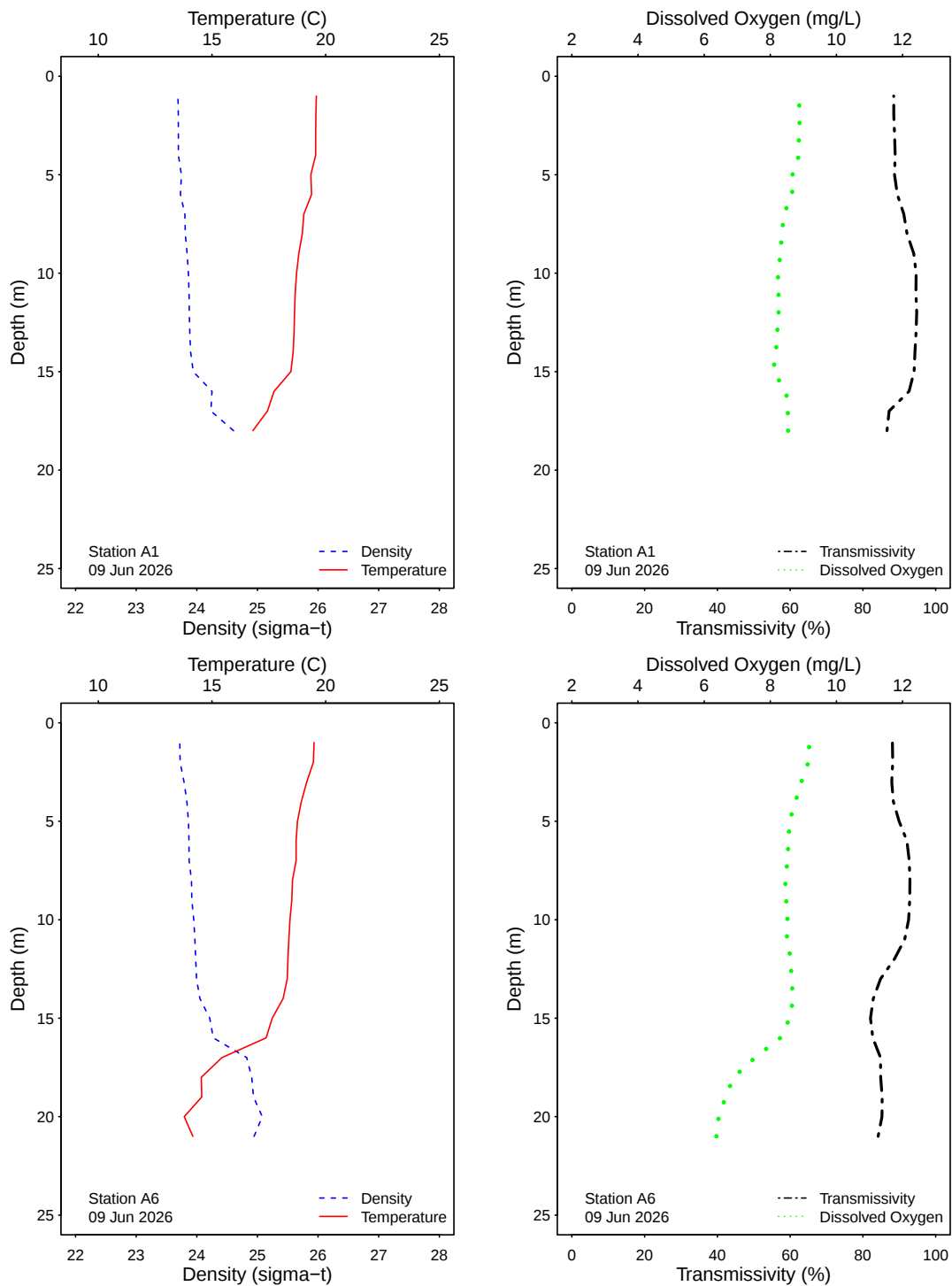


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

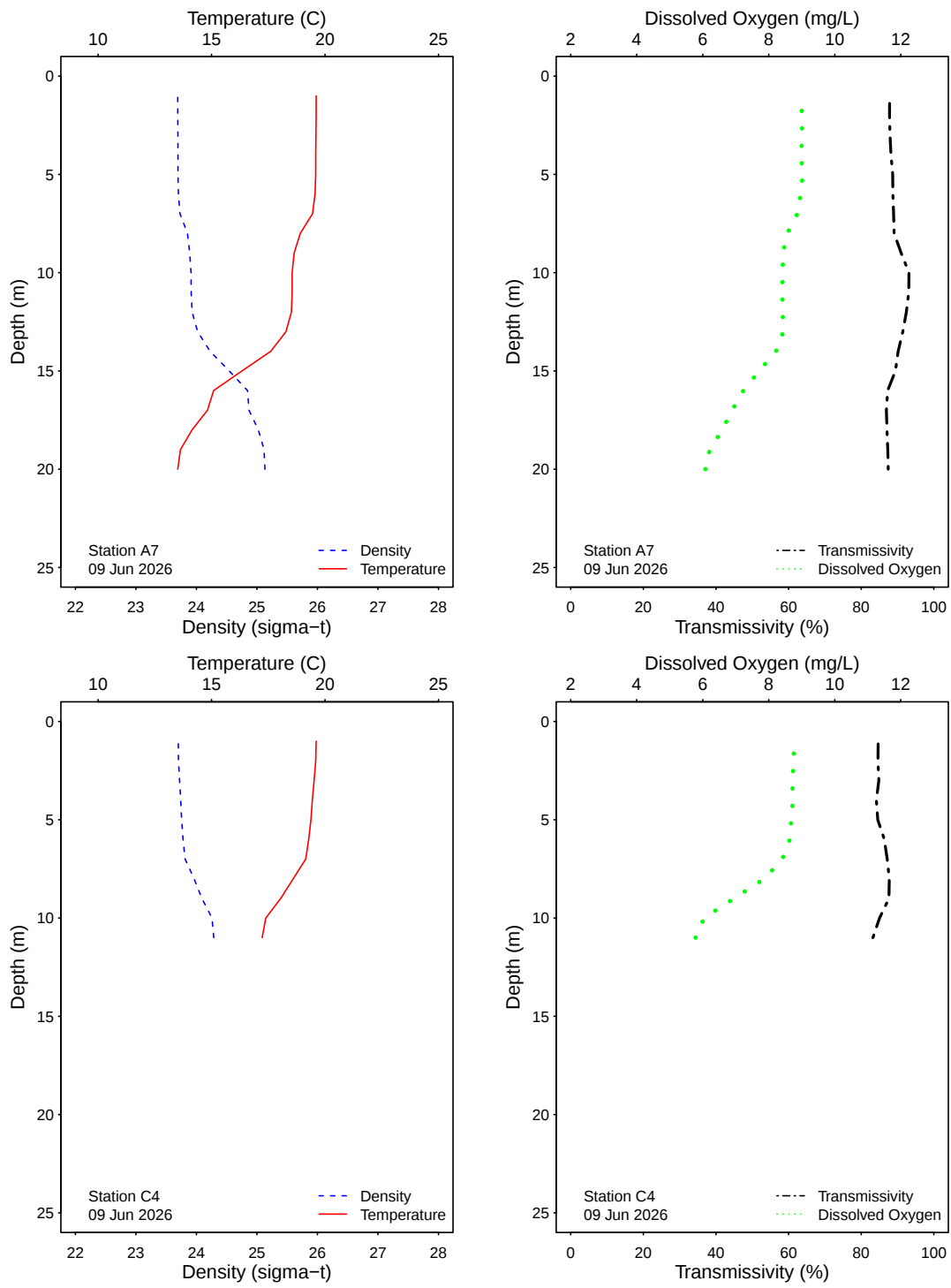


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

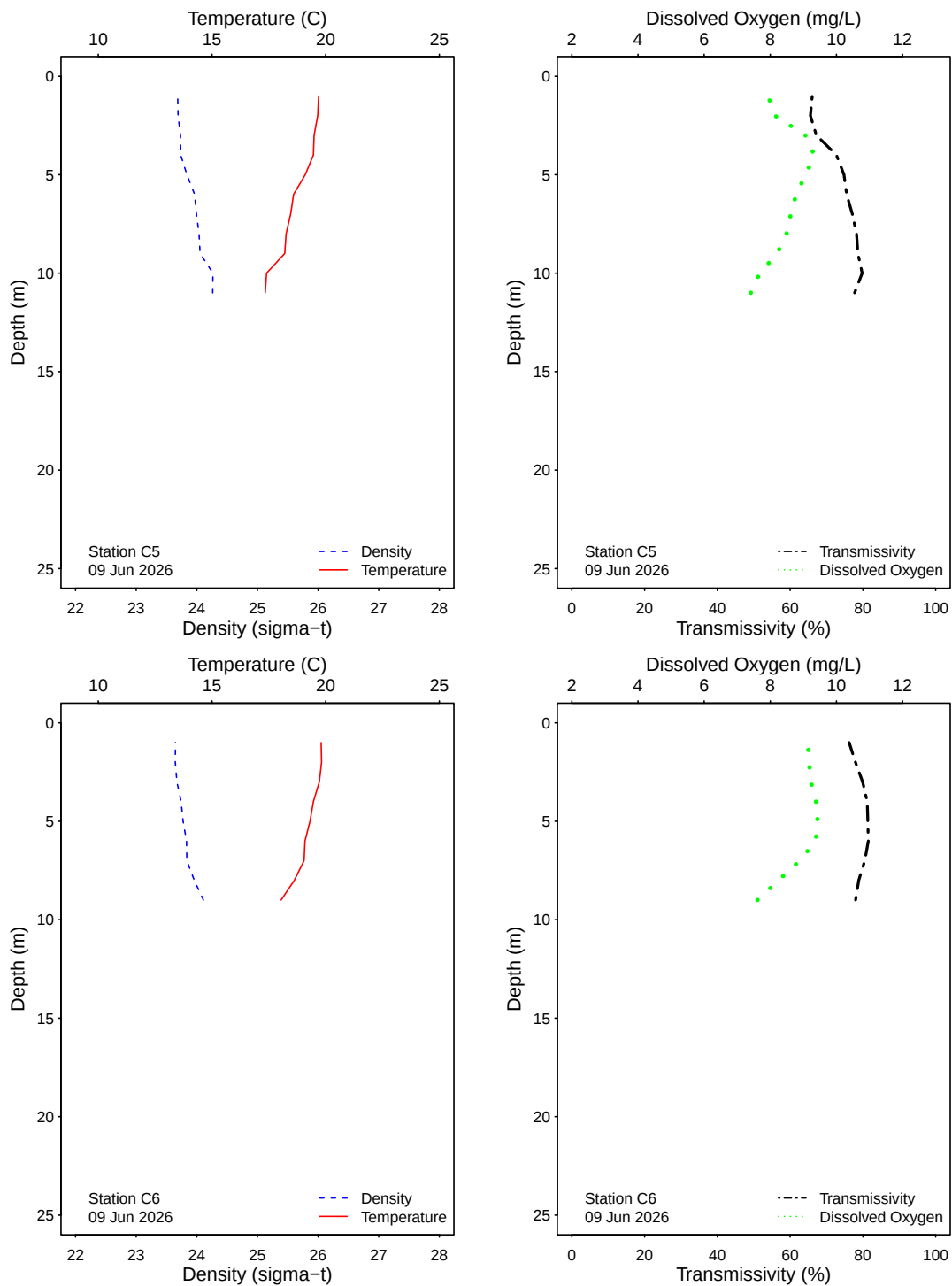


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

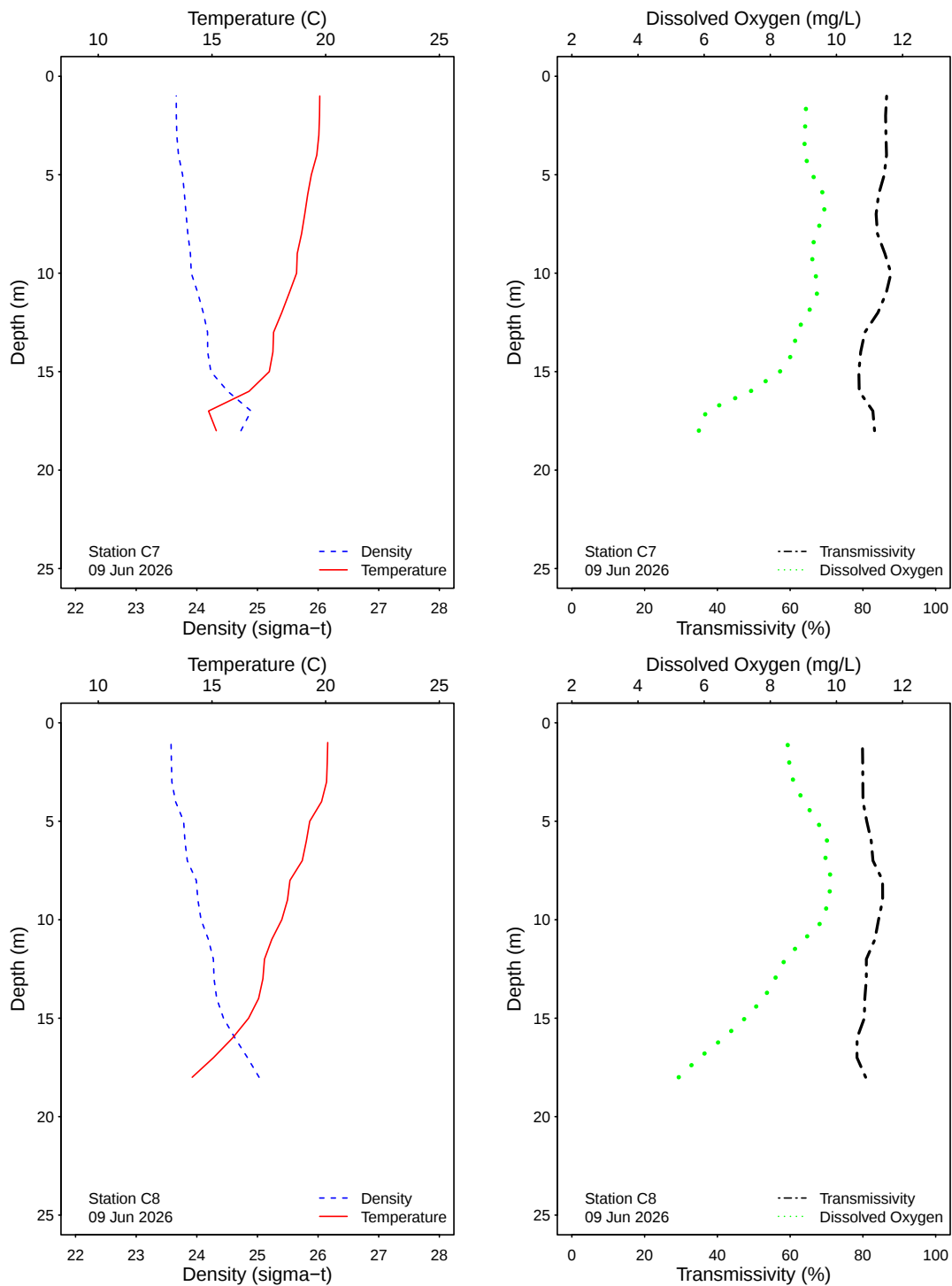


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

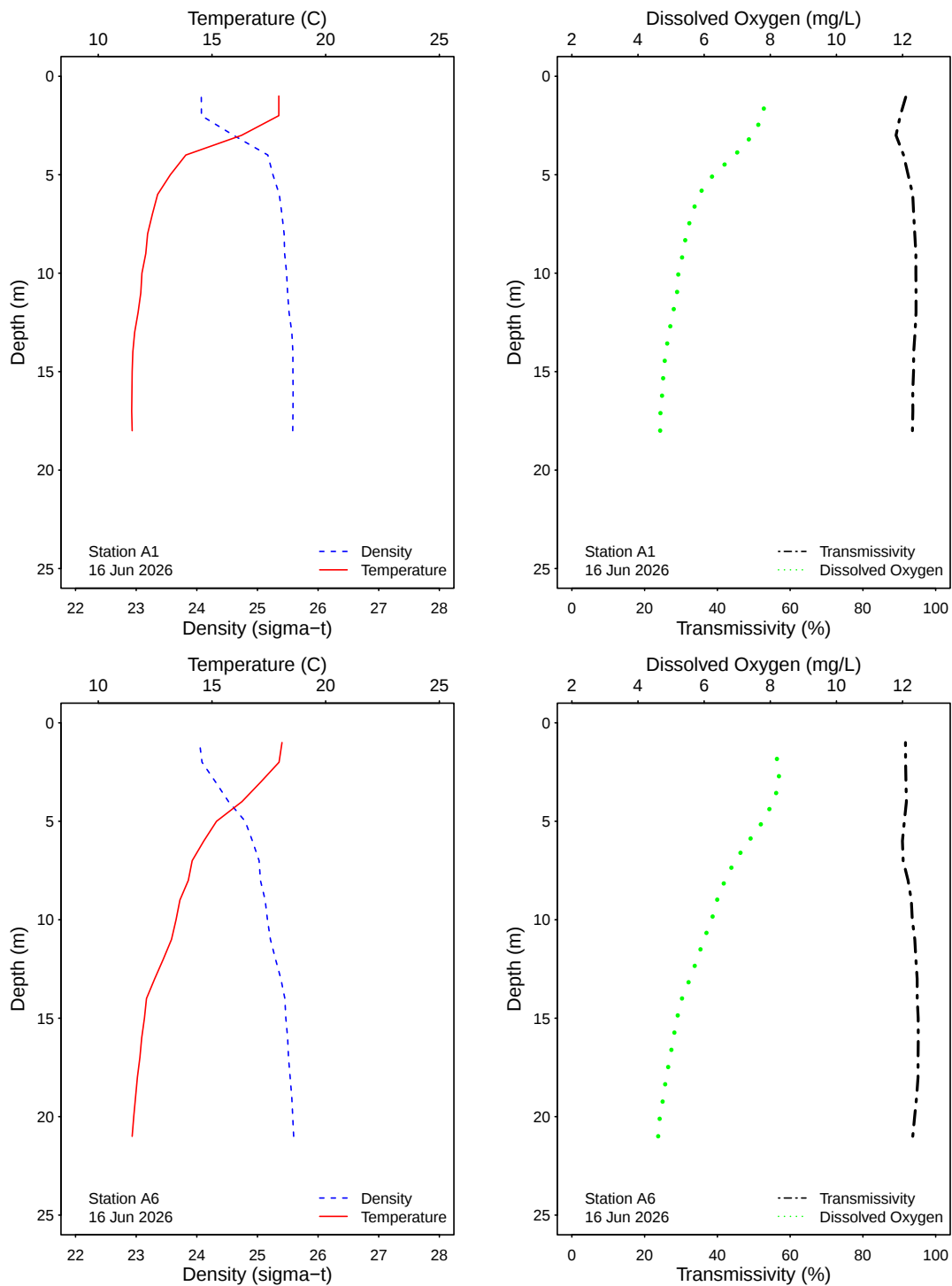


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

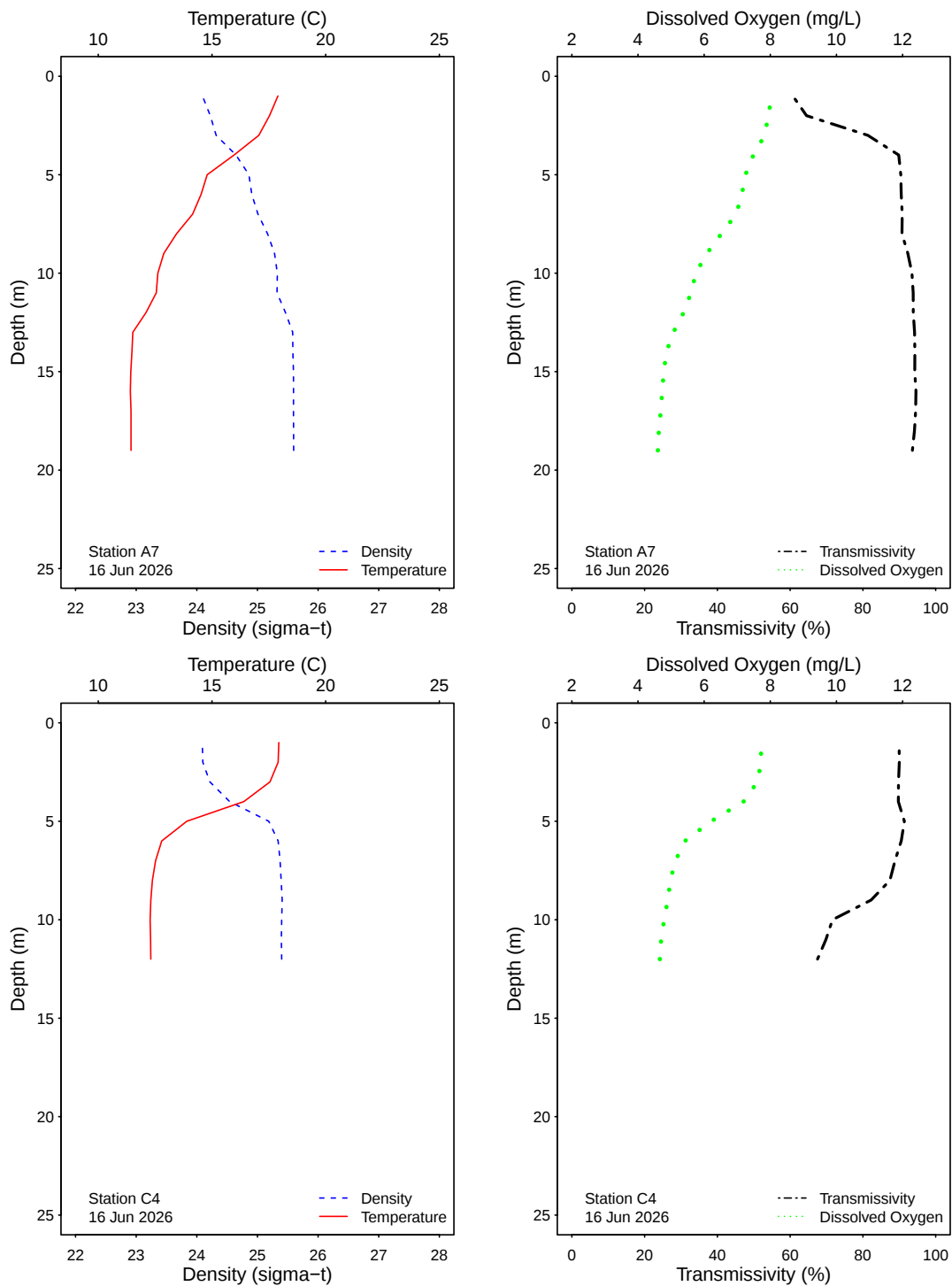


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

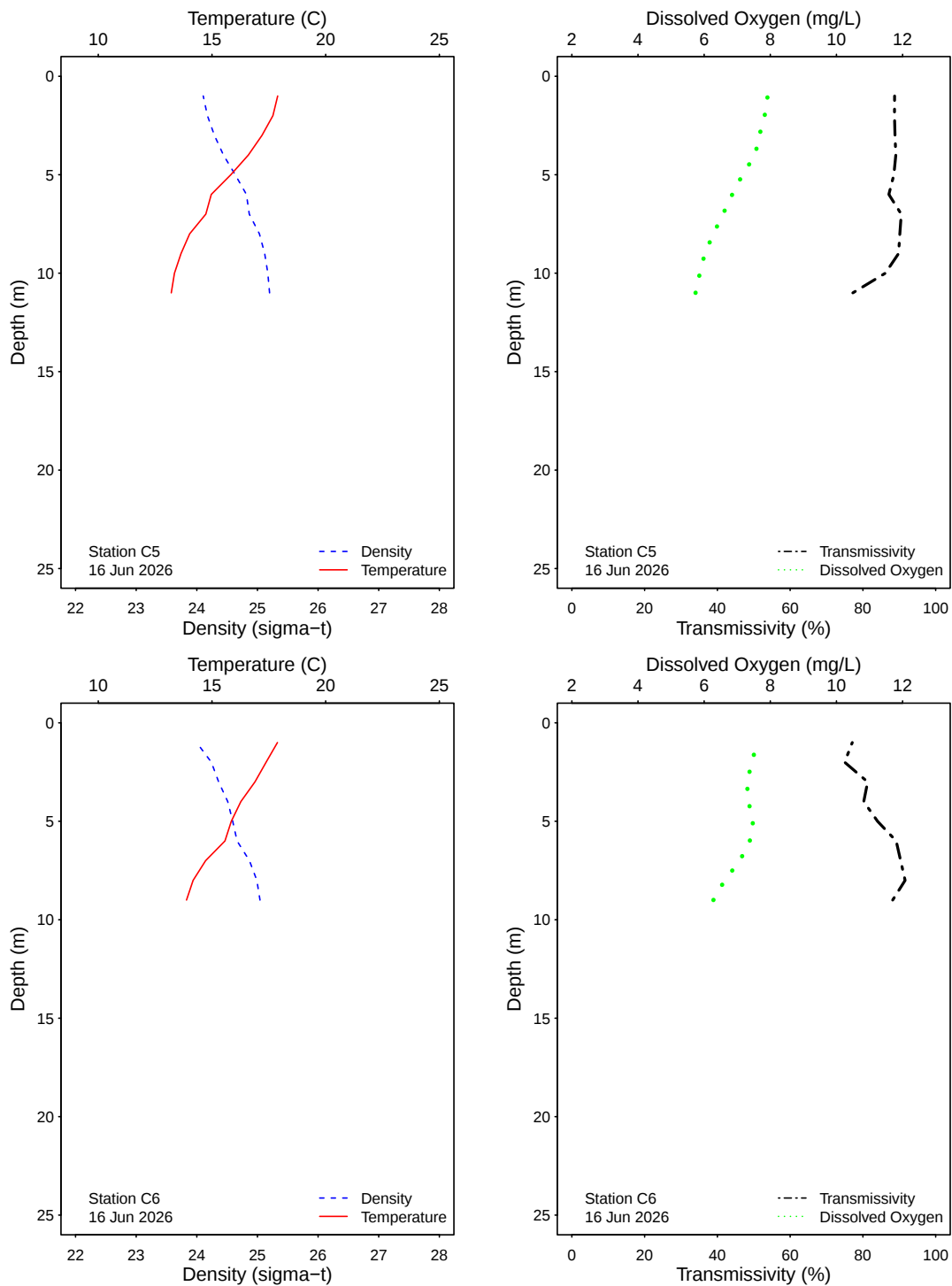


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

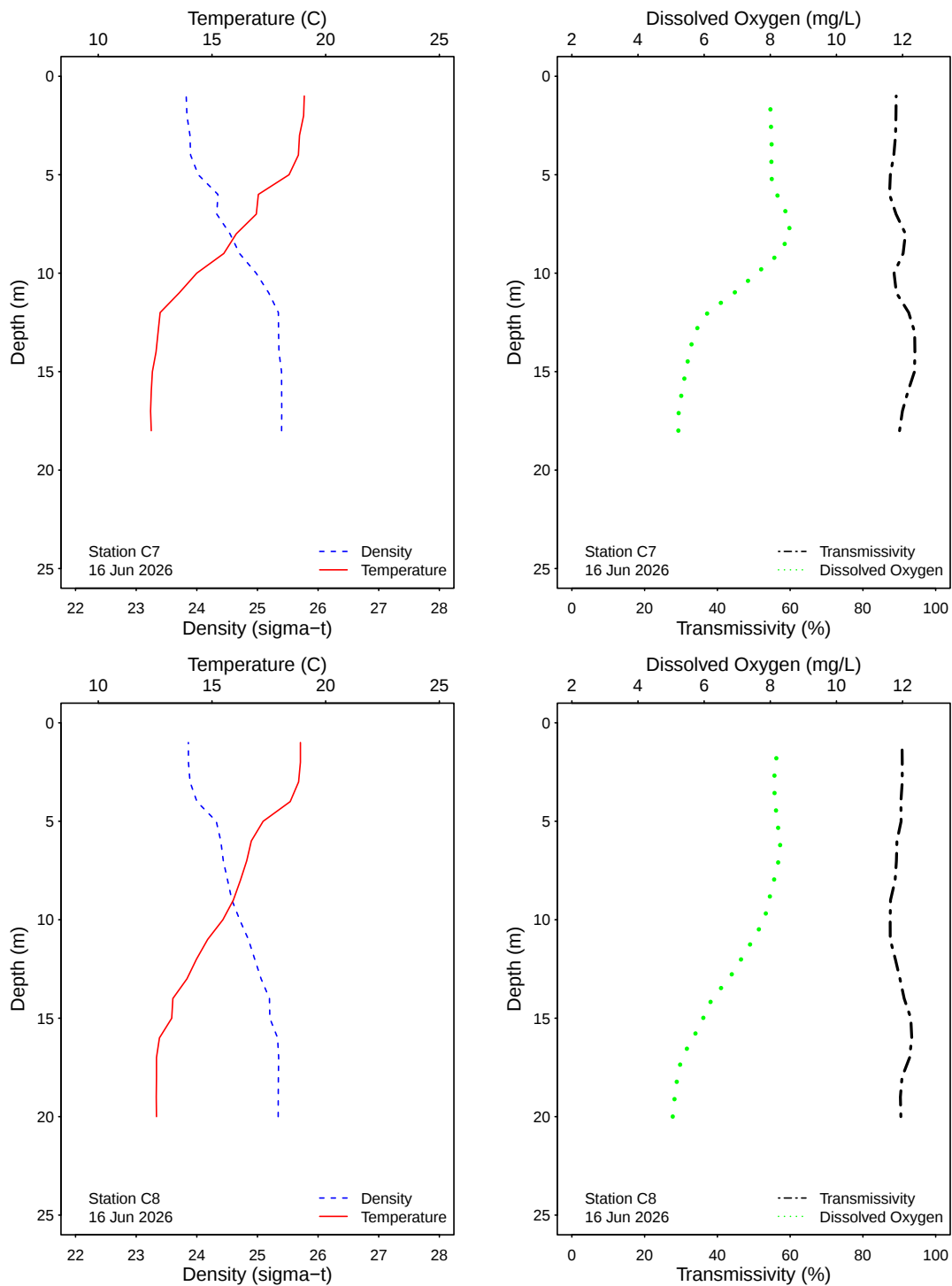


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

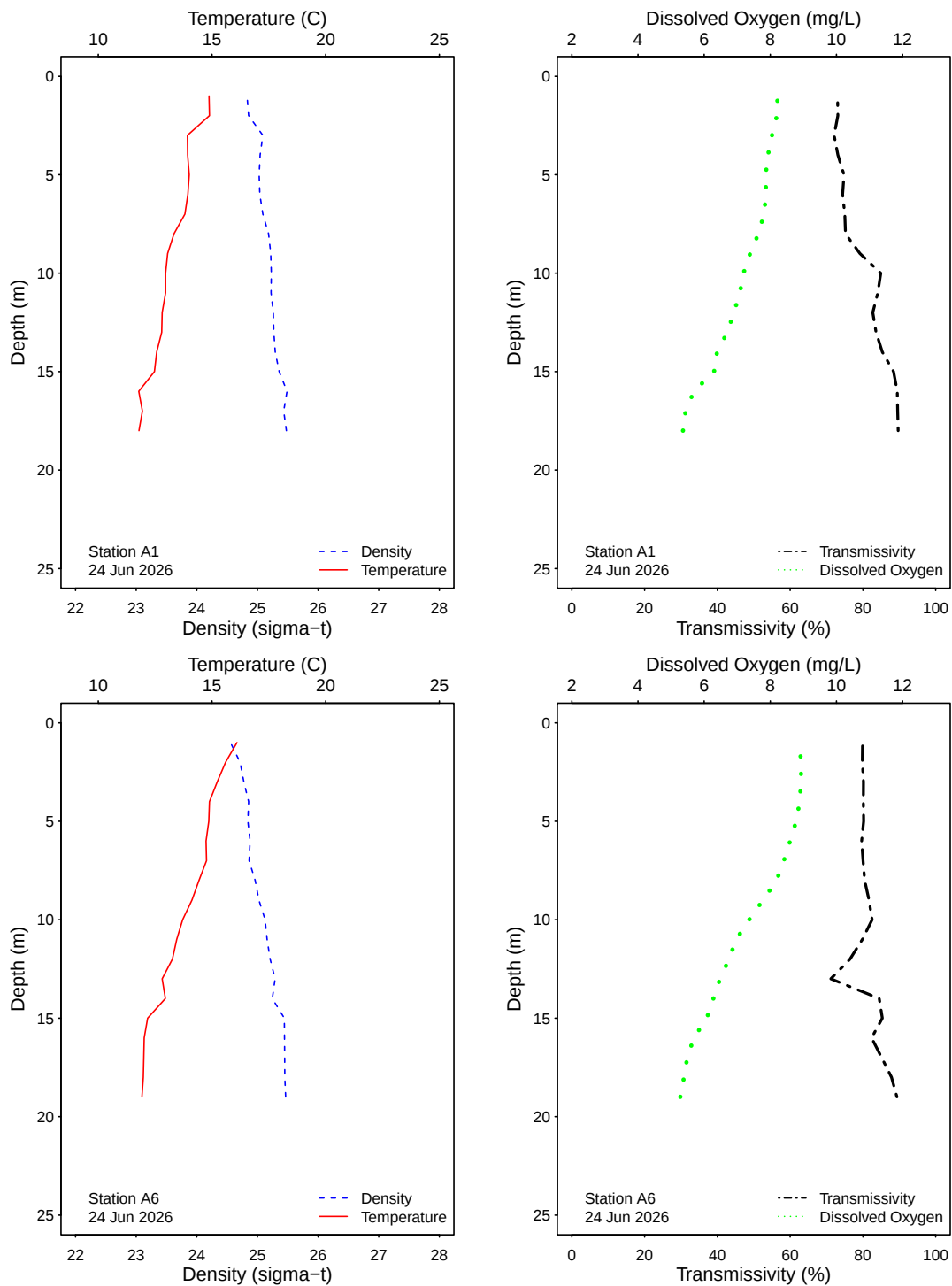


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

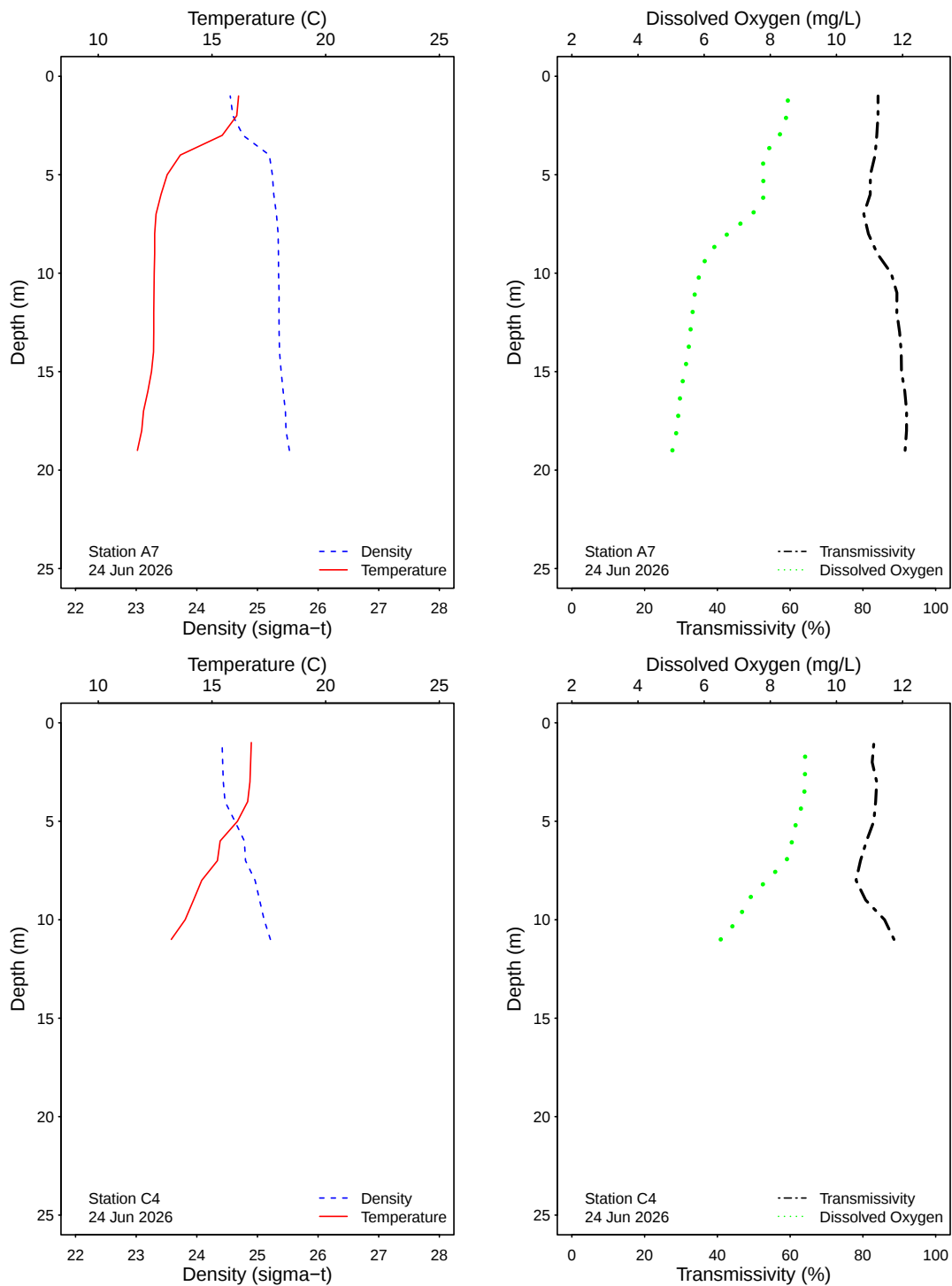


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

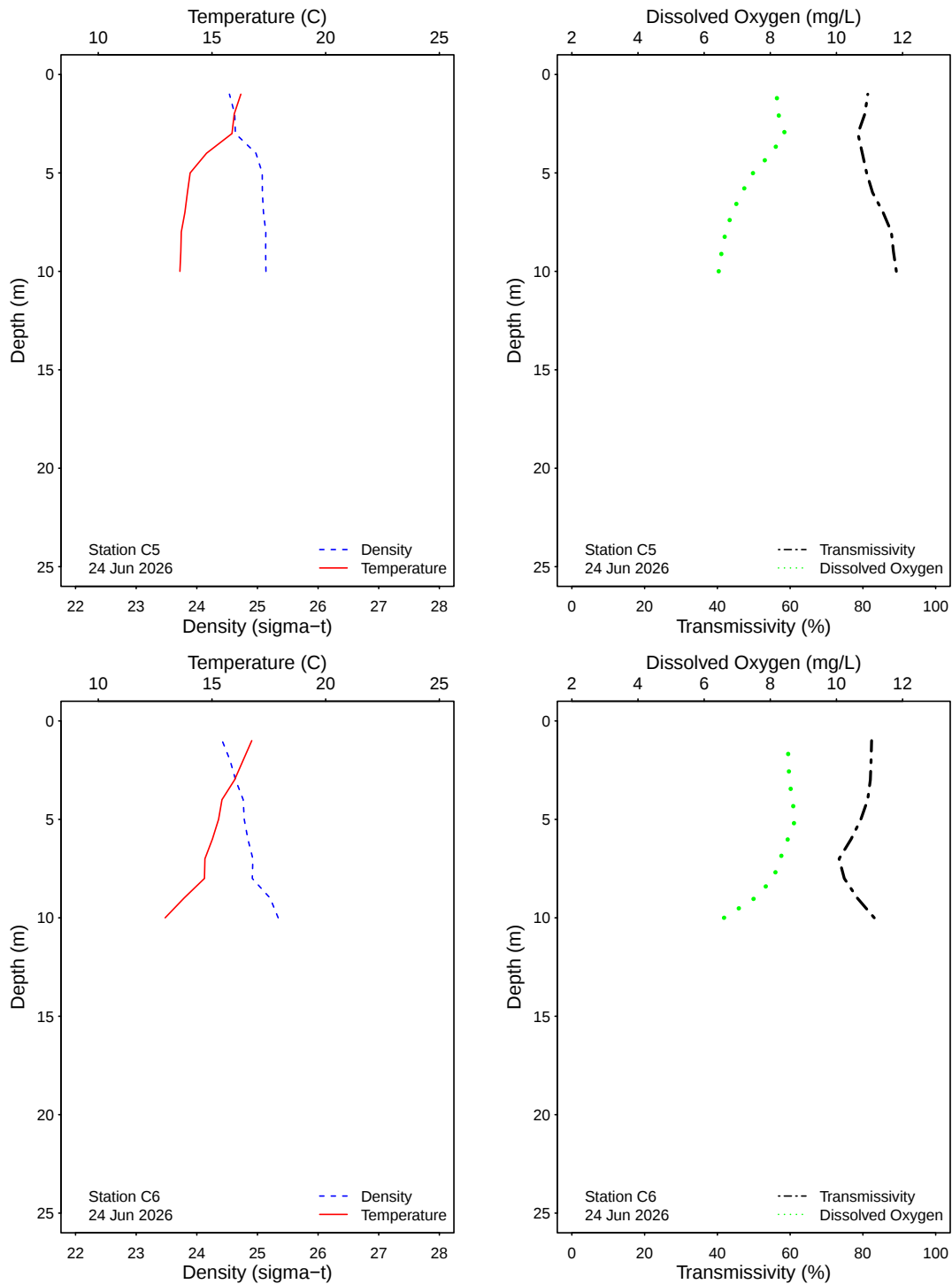


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

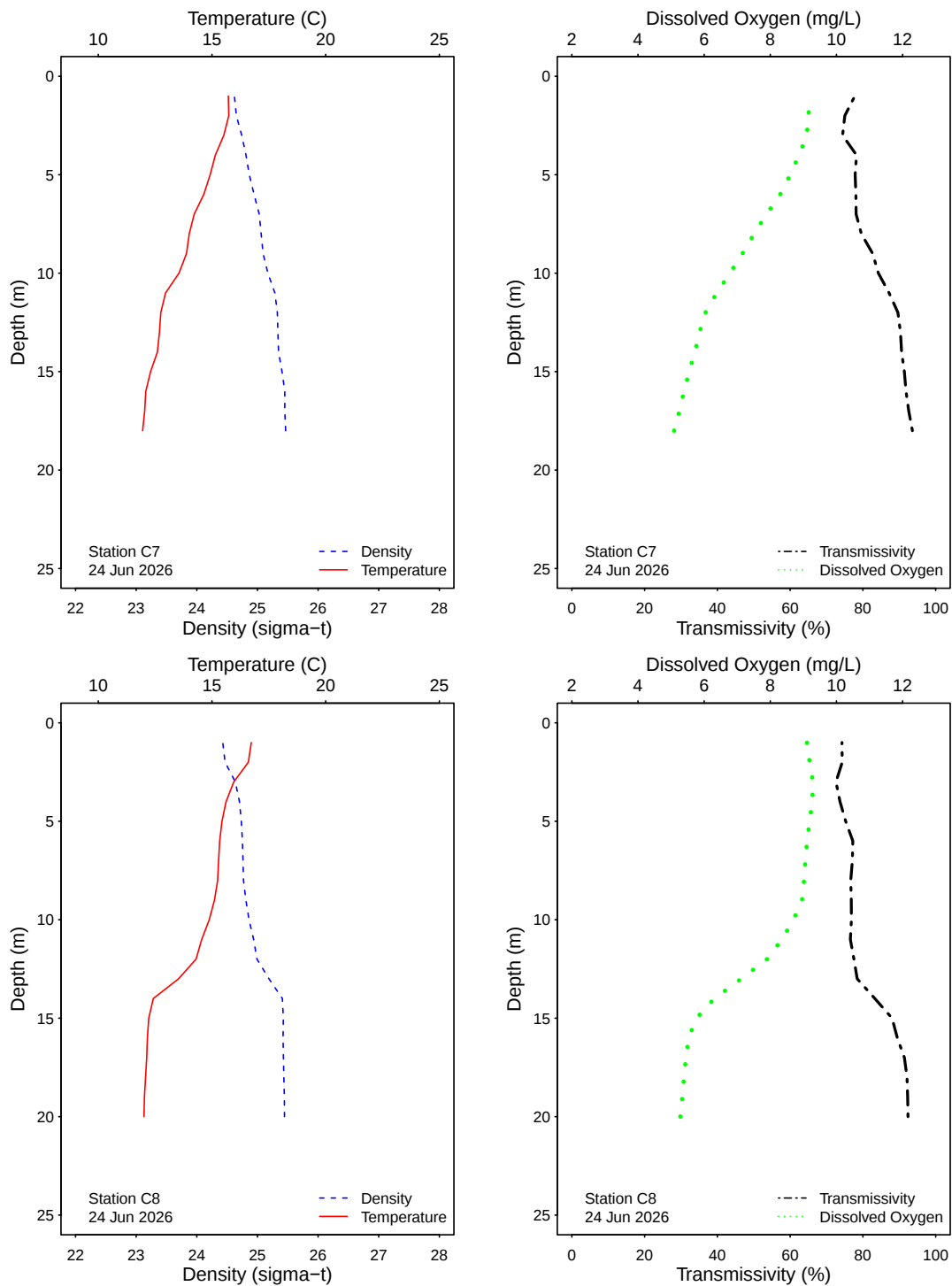


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

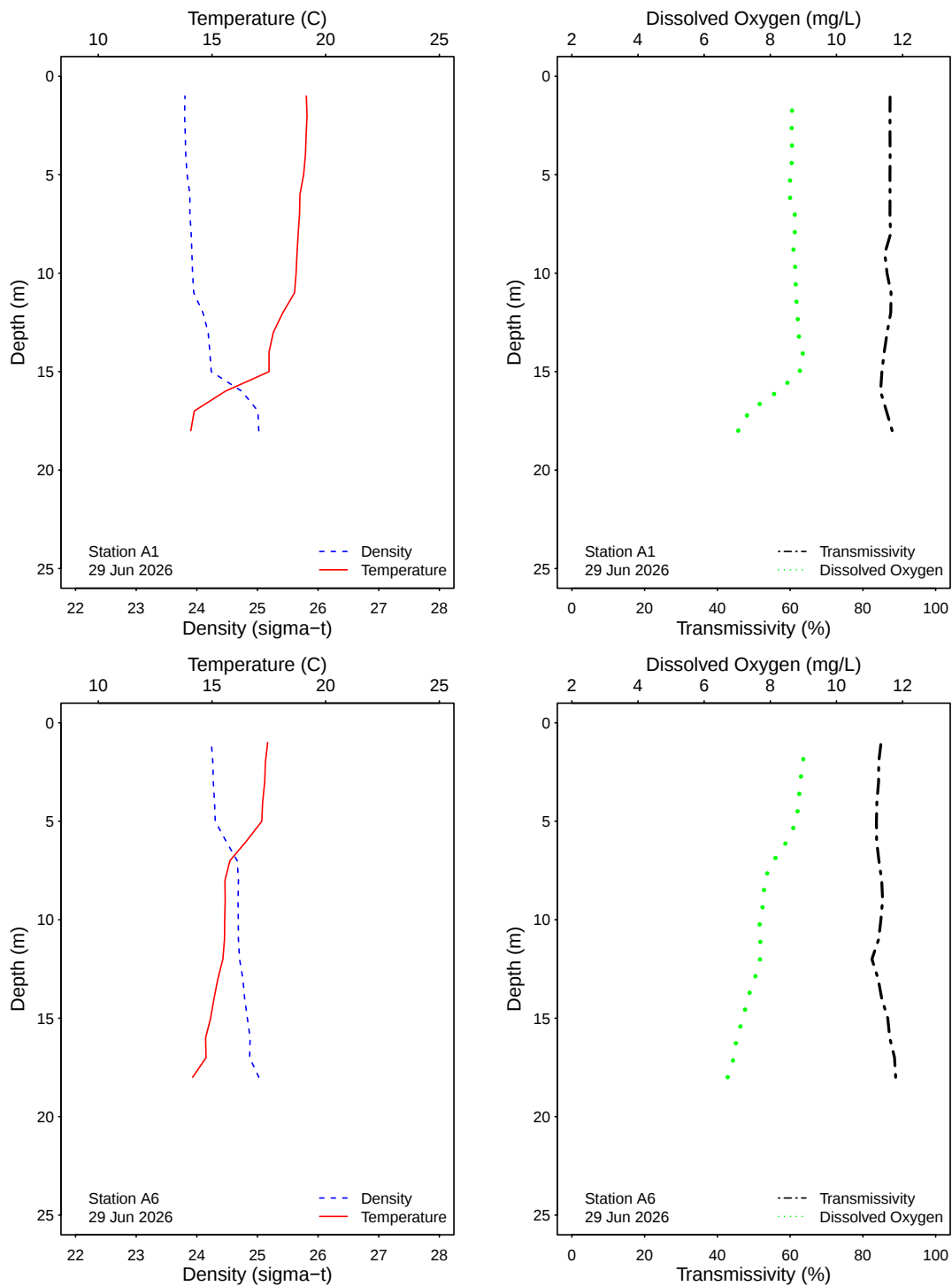


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

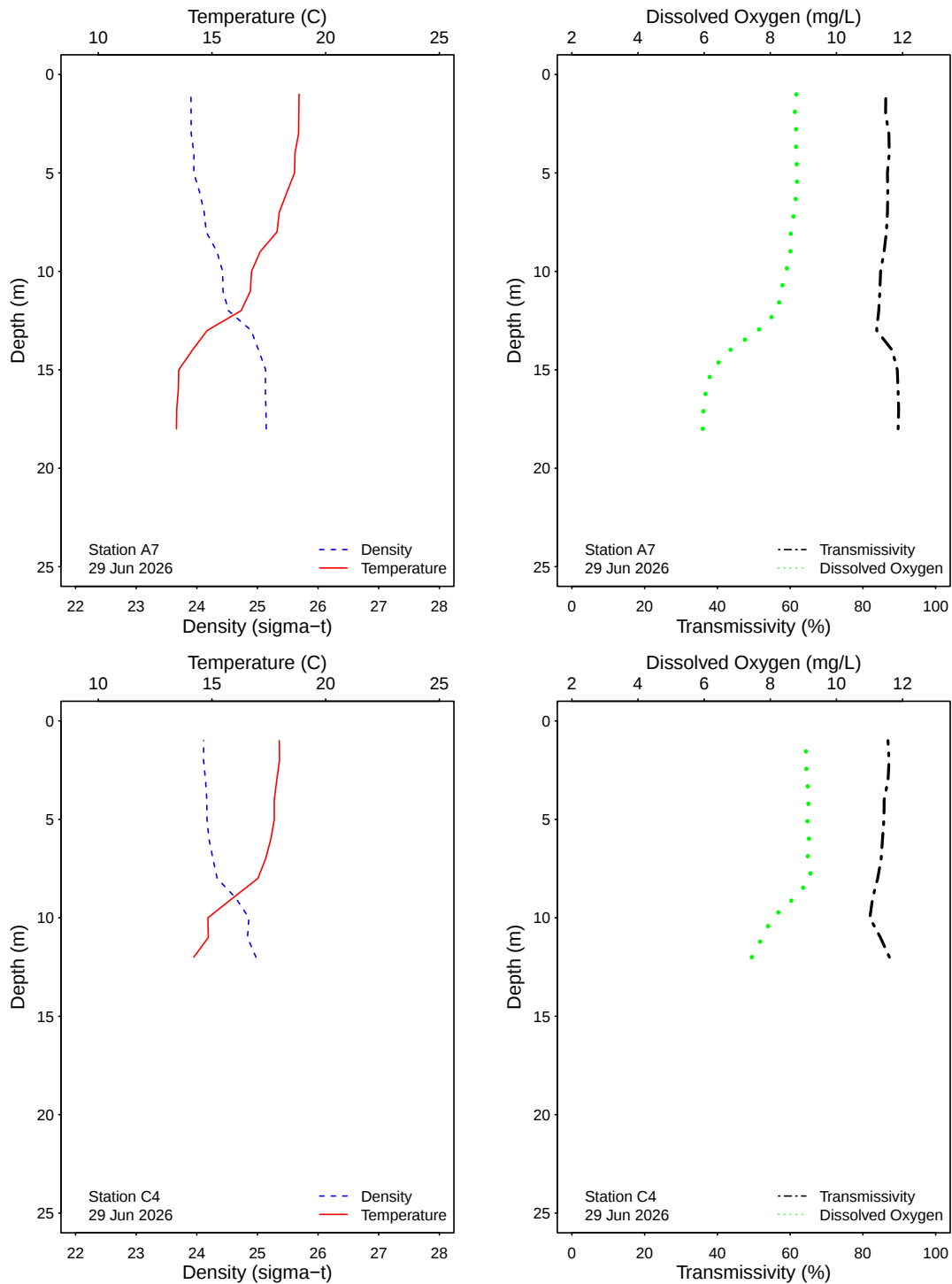


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

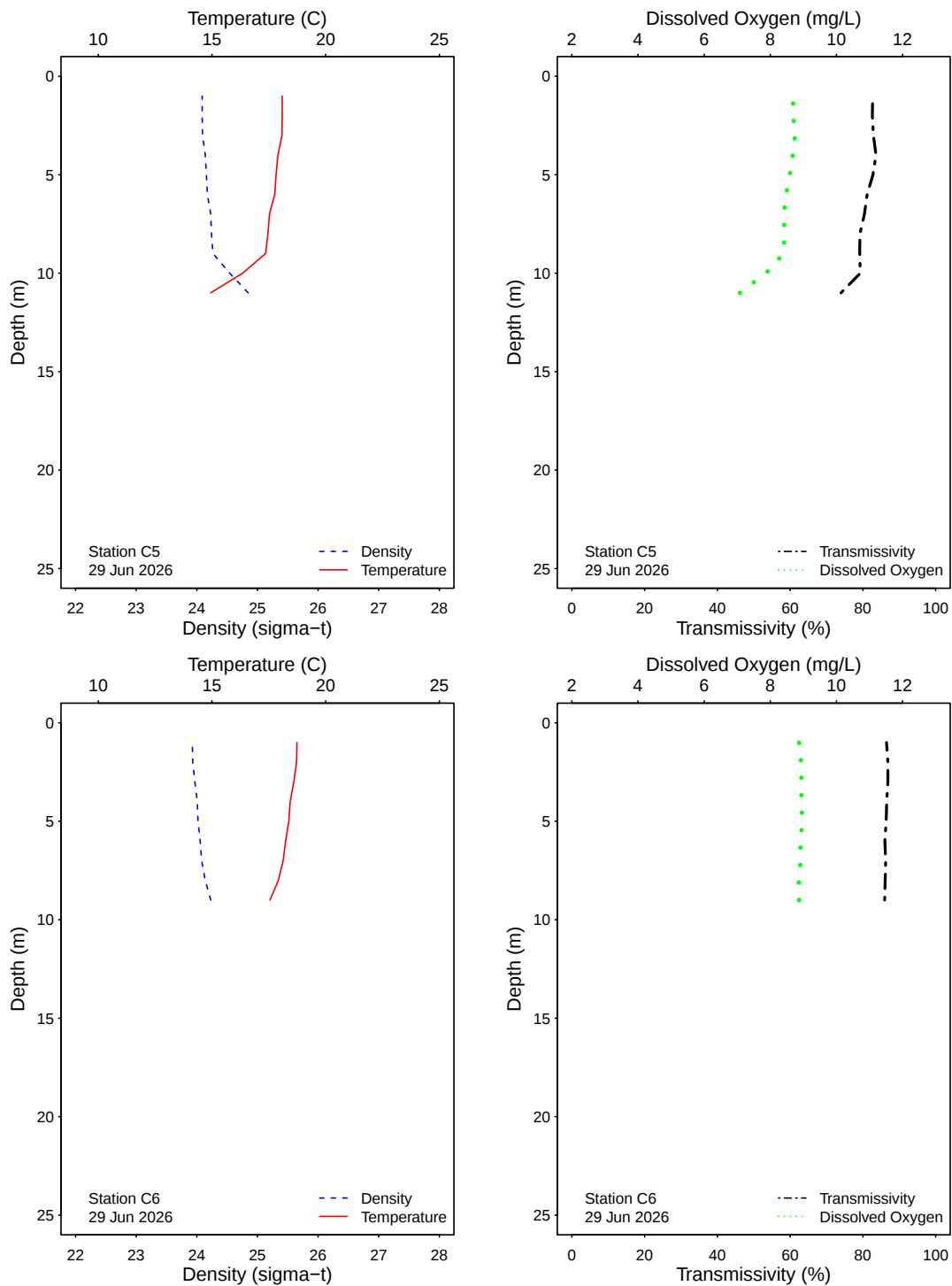


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

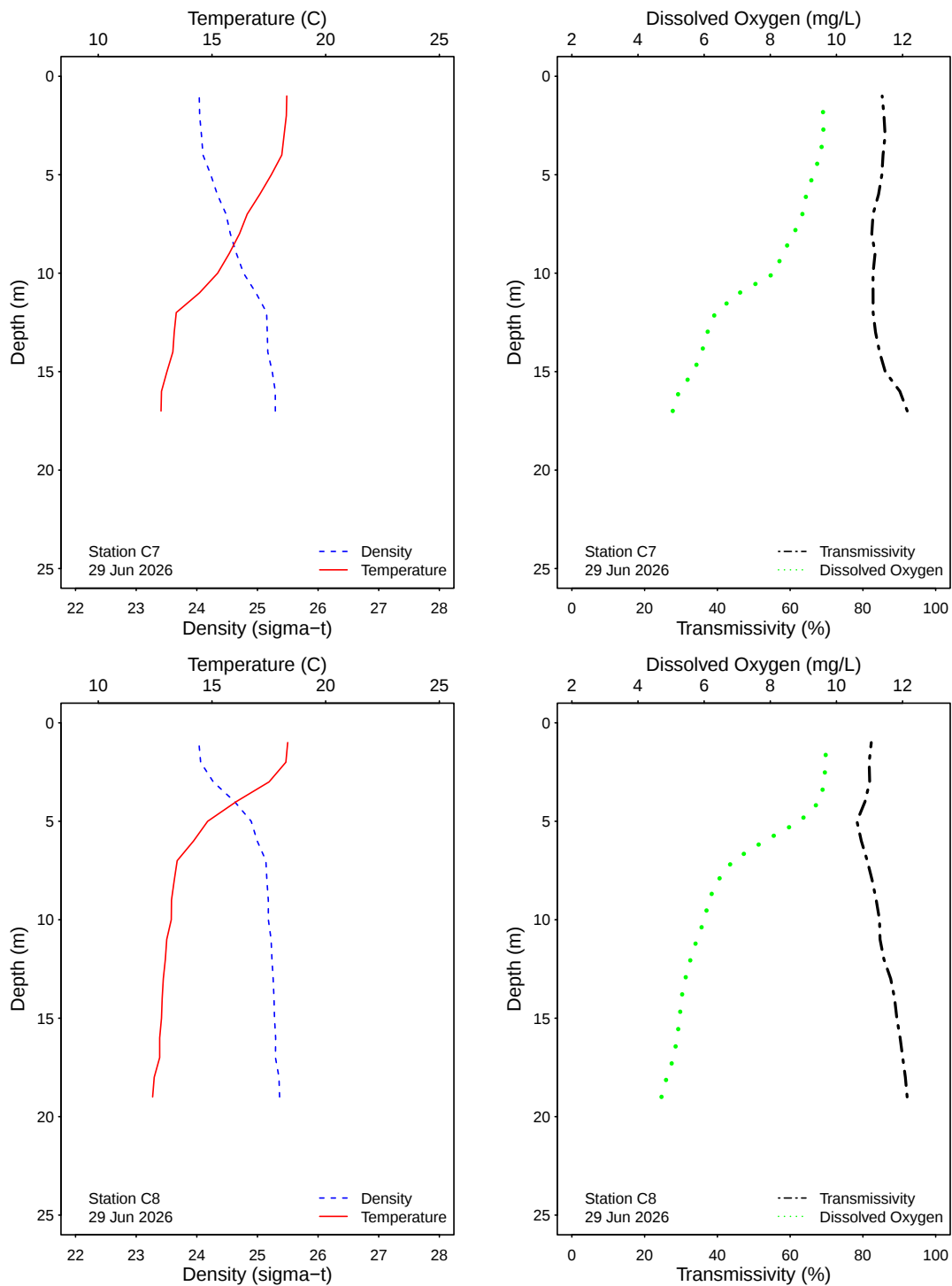


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

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APPENDIX A

Quality Assurance

Table A.1

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

Station	Date	Depth	Analyst	Procedure	Total	Fecal	Entero
A7	02 Jun 2026	18	JF	LAB DUPLICATE	ns	2	1
A7	09 Jun 2026	18	NCD	LAB DUPLICATE	ns	2	8
A7	16 Jun 2026	18	ADG	LAB DUPLICATE	ns	20	6
A7	24 Jun 2026	18	NCD	LAB DUPLICATE	ns	2	2
A7	29 Jun 2026	18	ADG	LAB DUPLICATE	ns	6	9
C7	02 Jun 2026	18	JF	LAB DUPLICATE	ns	2	1
C7	09 Jun 2026	18	NCD	LAB DUPLICATE	ns	4	1
C7	16 Jun 2026	18	ADG	LAB DUPLICATE	ns	4	1
C7	24 Jun 2026	18	NCD	LAB DUPLICATE	ns	2	1
C7	29 Jun 2026	18	ADG	LAB DUPLICATE	ns	2	6
C8	02 Jun 2026	12	JF	LAB DUPLICATE	ns	2	1
C8	09 Jun 2026	12	NCD	LAB DUPLICATE	ns	2	1
C8	16 Jun 2026	12	ADG	LAB DUPLICATE	ns	2	3
C8	24 Jun 2026	12	NCD	LAB DUPLICATE	ns	2	1
C8	29 Jun 2026	12	ADG	LAB DUPLICATE	ns	8	29
D12	03 Jun 2026		SS	FIELD DUPLICATE	20	2	2
D12	03 Jun 2026		SS	LAB DUPLICATE	40	8	1
D12	10 Jun 2026		NCD	FIELD DUPLICATE	20	2	1
D12	10 Jun 2026		NCD	LAB DUPLICATE	2	4	1
D12	17 Jun 2026		JF	LAB DUPLICATE	20	2	4
D12	17 Jun 2026		JF	FIELD DUPLICATE	20	2	2
D12	25 Jun 2026		ADG	FIELD DUPLICATE	2	2	1
D12	25 Jun 2026		ADG	LAB DUPLICATE	20	4	1

ns = not sampled

ND = no data

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