SD Public Utilities

POINT LOMA OCEAN OUTFALL MONTHLY RECEIVING WATERS MONITORING REPORT

POINT LOMA WASTEWATER TREATMENT PLANT

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

SEPTEMBER 2026

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

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

October 31, 2026

Ms. Joann Lim, Resource Control Engineer
California Regional Water Quality Control Board
San Diego Region
2375 Northside Drive, Suite 100
San Diego, CA 92108

Attention: Source Control Regulation Unit

Dear Ms. Lim:

Enclosed is the September 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. R9-2026-0002, 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, 1987[2]) is used to statistically compare both the results from the laboratory duplicates, as well as the results from the field duplicates. These data will be further analyzed in the City's 2026 Quality Assurance Report, which will be completed in March 2027.

SUMMARY OF RESULTS

Shore Stations

- The eight shore stations (D4, D5, D7, D8, D9, D10, D11, D12) were sampled on September 2, 9, 16, 23, and 29.
- During the September reporting period, seven of the eight shore stations were out of compliance with the various 2019 California Ocean Plan (Ocean Plan) water contact standards on one or more days as follows:
    - The statistical threshold value (STV) standard for Enterococcus was exceeded at station D8.
    - The 30-day running median standard for total coliforms was exceeded at stations D4, D5, D7, D8, D9, and D11.
    - The STV standard for total coliforms was exceeded at stations D4, D5, D7, D8, D9, D10, and D11.
- A sewage-like odor was detected at station D8 on one or more days in September.
- Over the years, elevated bacteria levels at shore and kelp bed stations have tended to be associated with rainfall events, heavy recreational use, or the presence of seabirds or decaying kelp and surf grass. See the City of San Diego's most recent Biennial Receiving Waters *Monitoring and Assessment Report for the Point Loma and South Bay Ocean* Outfalls for details (https://www.sandiego.gov/public-utilities/sustainability/ocean-monitoring/reports).

Kelp Bed Stations

- The eight kelp bed water quality stations (A1, A6, A7, C4, C5, C6, C7, C8) were sampled on September 1, 8, 14, 22, and 28.
- During the September reporting period, each of the eight kelp stations was in compliance with the various 2019 California Ocean Plan (Ocean Plan) water contact standards.

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

- Water column temperatures ranged from 16.03 to 23.17°C. The difference between surface and bottom waters ranged from 0.36 to 5.30°C.
- Chlorophyll *a* concentrations ranged from 0.30 to 1.70µg/L.
- Nothing of sewage origin was observed at PLOO kelp stations in September.

Offshore Stations

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

TABLES AND FIGURES

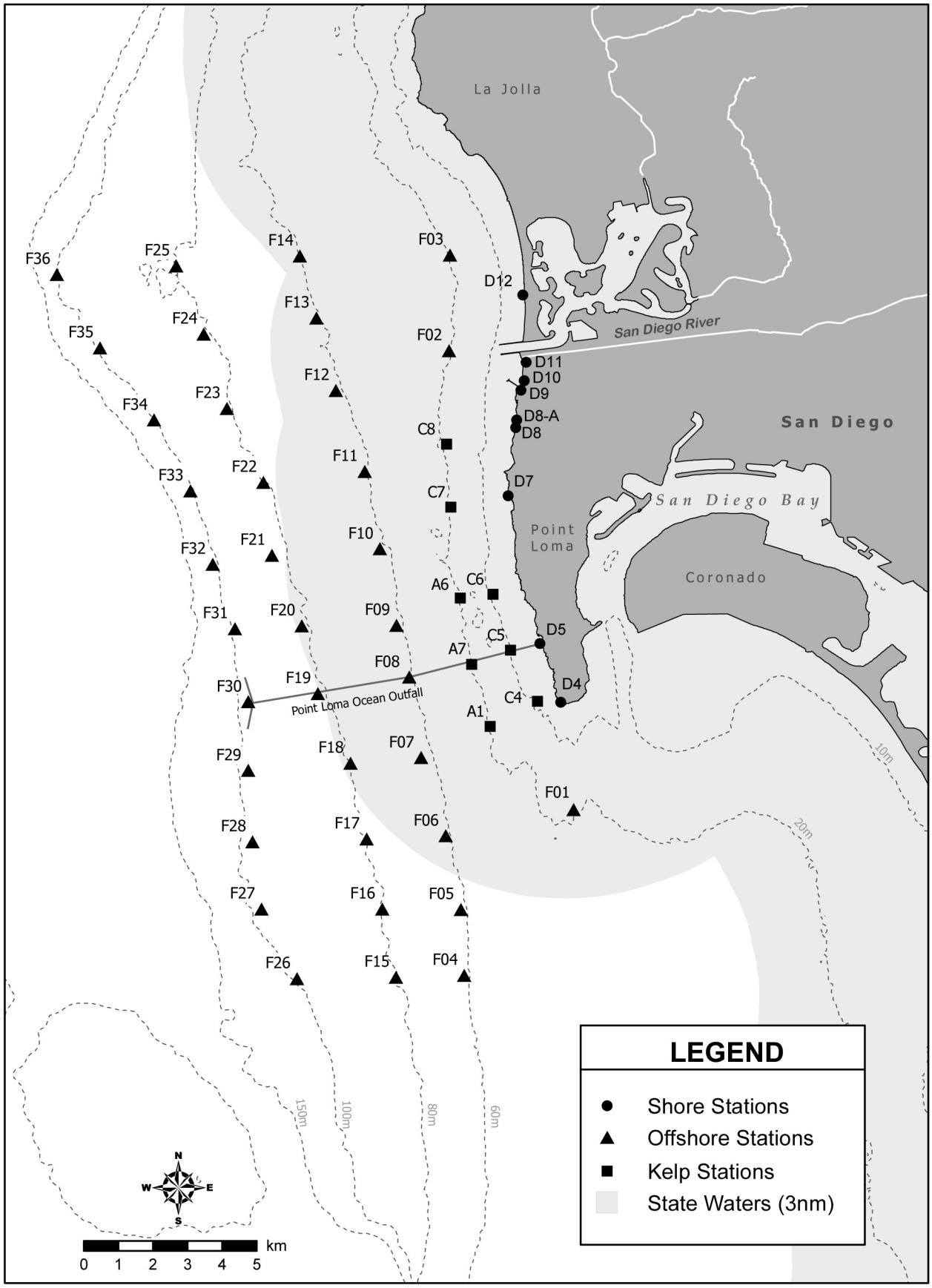


Figure 1.1 Station Map

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

* Geometric mean calculated using n<5

Table 2.2

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

Date	D4	D5	D7	D8	D9	D10	D11	D12
02 Sep 2026	IC	IC	IC	IC	IC	IC	IC	IC
09 Sep 2026	IC	IC	IC	IC	IC	IC	IC	IC
16 Sep 2026	IC	IC	IC	IC	IC	IC	IC	IC
23 Sep 2026	IC	IC	IC	IC	IC	IC	IC	IC
29 Sep 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 Sep 2026	4	11	6	5	2	5	6	3
02 Sep 2026	4	7	5	7	2	5	5	3
03 Sep 2026	4	7	5	7	2	5	5	3
04 Sep 2026	4	7	5	7	2	5	5	3
05 Sep 2026	4	7	5	7	2	5	5	3
06 Sep 2026	4	7	5	7	2	5	5	3
07 Sep 2026	4	7	5	7	2	5	5	3
08 Sep 2026	4	7	5	7	2	5	5	3
09 Sep 2026	4	5	3	5	3	5	5	3
10 Sep 2026	4	5	3	5	3	5	5	3
11 Sep 2026	4	5	3	5	3	5	5	3
12 Sep 2026	4	5	3	5	3	5	5	3
13 Sep 2026	4	5	3	5	3	5	5	3
14 Sep 2026	4	5	3	5	3	5	5	3
15 Sep 2026	4	5	3	5	3	5	5	3
16 Sep 2026	1	8	5	4	3	5	4	5
17 Sep 2026	1	8	5	4	3	5	4	5
18 Sep 2026	1	8	5	4	3	5	4	5
19 Sep 2026	1	8	5	4	3	5	4	5
20 Sep 2026	1	8	5	4	3	5	4	5
21 Sep 2026	1	8	5	4	3	5	4	5
22 Sep 2026	1	8	5	4	3	5	4	5
23 Sep 2026	1	6	5	5	2	5	5	4
24 Sep 2026	1	6	5	5	2	5	5	4
25 Sep 2026	1	6	5	5	2	5	5	4
26 Sep 2026	1	6	5	5	2	5	5	4
27 Sep 2026	1	6	5	5	2	5	5	4
28 Sep 2026	1	6	5	5	2	5	5	4
29 Sep 2026	2	7	6	6	2	6	6	3
30 Sep 2026	2	6	7	8	1	5	8	4

* Geometric mean calculated using n<5

Table 2.4

Summary of compliance at the PLOO shore stations with the Ocean Plan's 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
September	IC	IC	IC	**E**	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 Sep 2026	***250**	***220**	***220**	***210**	*60	*40	***250**	*12
02 Sep 2026	**400**	**400**	40	**400**	40	40	**100**	20
03 Sep 2026	**400**	**400**	40	**400**	40	40	**100**	20
04 Sep 2026	***400**	***400**	***220**	***210**	*30	*40	***250**	*20
05 Sep 2026	***400**	***400**	***220**	***210**	*30	*40	***250**	*20
06 Sep 2026	***400**	***400**	***220**	***210**	*30	*40	***250**	*20
07 Sep 2026	***400**	***400**	***220**	***210**	*30	*40	***250**	*20
08 Sep 2026	***400**	***400**	***220**	***210**	*30	*40	***250**	*20
09 Sep 2026	**400**	**400**	**400**	**400**	40	40	**400**	20
10 Sep 2026	**400**	**400**	**400**	**400**	40	40	**400**	20
11 Sep 2026	***210**	***400**	***220**	***210**	*30	*40	***250**	*30
12 Sep 2026	***210**	***400**	***220**	***210**	*30	*40	***250**	*30
13 Sep 2026	***210**	***400**	***220**	***210**	*30	*40	***250**	*30
14 Sep 2026	***210**	***400**	***220**	***210**	*30	*40	***250**	*30
15 Sep 2026	***210**	***400**	***220**	***210**	*30	*40	***250**	*30
16 Sep 2026	**400**	**400**	**400**	20	40	40	**100**	20
17 Sep 2026	**400**	**400**	**400**	20	40	40	**100**	20
18 Sep 2026	***400**	***400**	***400**	***210**	***220**	*60	***230**	*30
19 Sep 2026	***400**	***400**	***400**	***210**	***220**	*60	***230**	*30
20 Sep 2026	***400**	***400**	***400**	***210**	***220**	*60	***230**	*30
21 Sep 2026	***400**	***400**	***400**	***210**	***220**	*60	***230**	*30
22 Sep 2026	***400**	***400**	***400**	***210**	***220**	*60	***230**	*30
23 Sep 2026	**400**	**400**	**400**	20	60	40	60	20
24 Sep 2026	**400**	**400**	**400**	20	60	40	60	20
25 Sep 2026	***210**	***400**	***210**	***210**	***230**	*60	*60	*20
26 Sep 2026	***210**	***400**	***210**	***210**	***230**	*60	*60	*20
27 Sep 2026	***210**	***400**	***210**	***210**	***230**	*60	*60	*20
28 Sep 2026	***210**	***400**	***210**	***210**	***230**	*60	*60	*20
29 Sep 2026	**400**	**400**	20	**400**	60	40	60	20
30 Sep 2026	**400**	**400**	20	**400**	60	40	60	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
September	**E**	**E**	**E**	**E**	**E**	**E**	**E**	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	02 Sep 2026	808	<20	8e	1
D10	09 Sep 2026	745	<400	18e	14
D10	16 Sep 2026	751	80e	2e	<1
D10	23 Sep 2026	837	40e	20e	<20
D10	29 Sep 2026	817	<20	8e	20e
D11	02 Sep 2026	757	60e	4e	2
D11	09 Sep 2026	734	<400	8e	13
D11	16 Sep 2026	739	60e	<20	<1
D11	23 Sep 2026	825	60e	40e	<20
D11	29 Sep 2026	804	<400	<2	<20
D12	02 Sep 2026	735	20e	2e	2
D12	09 Sep 2026	714	80e	40	8
D12	16 Sep 2026	719	<20	4e	14
D12	23 Sep 2026	806	<20	6e	<1
D12	29 Sep 2026	741	<20	<2	<1
D4	02 Sep 2026	924	<400	<2	1
D4	09 Sep 2026	912	<20	<2	1
D4	16 Sep 2026	918	<400	<2	1
D4	23 Sep 2026	954	<20	<2	<1
D4	29 Sep 2026	1001	<400	2e	<20
D5	02 Sep 2026	911	<400	2e	<1
D5	09 Sep 2026	900	<400	<2	4
D5	16 Sep 2026	907	<400	<2	<20
D5	23 Sep 2026	940	<400	100e	2
D5	29 Sep 2026	951	<400	18e	20e
D7	02 Sep 2026	846	<20	<2	<1
D7	09 Sep 2026	836	<400	6e	2
D7	16 Sep 2026	839	<400	<20	11
D7	23 Sep 2026	917	20e	<20	<20
D7	29 Sep 2026	918	<20	2e	<20
D8	02 Sep 2026	835	<400	2e	5
D8	09 Sep 2026	824	1200e	6e	3
D8	16 Sep 2026	826	<20	<2	<1
D8	23 Sep 2026	905	<20	6e	320e
D8	29 Sep 2026	859	<400	8e	20e
D9	02 Sep 2026	820	20e	2e	<1
D9	09 Sep 2026	810	400e	2e	7
D9	16 Sep 2026	811	<400	<2	<1
D9	23 Sep 2026	853	60e	<2	1
D9	29 Sep 2026	843	20e	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	02 Sep 2026	Arrive Time	924
D4	02 Sep 2026	Wind Speed (kts)	0
D4	02 Sep 2026	Wind Dir	NW
D4	02 Sep 2026	Animal Life	
D4	02 Sep 2026	Floatables	Foam
D4	02 Sep 2026	Current Direction	S
D4	02 Sep 2026	Water Temp (C)	19.4
D4	02 Sep 2026	High Tide Time	50
D4	02 Sep 2026	Low Tide Time	600
D4	02 Sep 2026	Comments	Water clear; Trash-2; Kelp;Seagrass
D4	09 Sep 2026	Arrive Time	912
D4	09 Sep 2026	Wind Speed (kts)	0.9
D4	09 Sep 2026	Wind Dir	NW
D4	09 Sep 2026	Animal Life	
D4	09 Sep 2026	Floatables	
D4	09 Sep 2026	Current Direction	S
D4	09 Sep 2026	Water Temp (C)	18.6
D4	09 Sep 2026	High Tide Time	855
D4	09 Sep 2026	Low Tide Time	248
D4	09 Sep 2026	Comments	Water clear; Trash-1; Seagrass;Algae
D4	16 Sep 2026	Arrive Time	918
D4	16 Sep 2026	Wind Speed (kts)	1.3
D4	16 Sep 2026	Wind Dir	SW
D4	16 Sep 2026	Animal Life	
D4	16 Sep 2026	Floatables	
D4	16 Sep 2026	Current Direction	S
D4	16 Sep 2026	Water Temp (C)	21.4
D4	16 Sep 2026	High Tide Time	105
D4	16 Sep 2026	Low Tide Time	537
D4	16 Sep 2026	Comments	Water clear; Trash-1; Seagrass;Kelp
D4	23 Sep 2026	Arrive Time	954
D4	23 Sep 2026	Wind Speed (kts)	0
D4	23 Sep 2026	Wind Dir	XX
D4	23 Sep 2026	Animal Life	
D4	23 Sep 2026	Floatables	
D4	23 Sep 2026	Current Direction	S
D4	23 Sep 2026	Water Temp (C)	20.9
D4	23 Sep 2026	High Tide Time	816
D4	23 Sep 2026	Low Tide Time	205
D4	23 Sep 2026	Comments	Water clear; Trash-1; Kelp;Seagrass
D4	29 Sep 2026	Arrive Time	1001
D4	29 Sep 2026	Wind Speed (kts)	2.1
D4	29 Sep 2026	Wind Dir	NW
D4	29 Sep 2026	Animal Life	
D4	29 Sep 2026	Floatables	
D4	29 Sep 2026	Current Direction	S
D4	29 Sep 2026	Water Temp (C)	19.7
D4	29 Sep 2026	High Tide Time	1045
D4	29 Sep 2026	Low Tide Time	433
D4	29 Sep 2026	Comments	Water clear; Trash-1; Kelp;Seagrass
D5	02 Sep 2026	Arrive Time	911

Station	Date	Parameter	Value
D5	02 Sep 2026	Wind Speed (kts)	1.3
D5	02 Sep 2026	Wind Dir	NW
D5	02 Sep 2026	Animal Life	
D5	02 Sep 2026	Floatables	Foam
D5	02 Sep 2026	Current Direction	S
D5	02 Sep 2026	Water Temp (C)	20.8
D5	02 Sep 2026	High Tide Time	50
D5	02 Sep 2026	Low Tide Time	600
D5	02 Sep 2026	Comments	Water turbid; Trash-1; Kelp;Seagrass
D5	09 Sep 2026	Arrive Time	900
D5	09 Sep 2026	Wind Speed (kts)	5
D5	09 Sep 2026	Wind Dir	NW
D5	09 Sep 2026	Animal Life	
D5	09 Sep 2026	Floatables	Foam
D5	09 Sep 2026	Current Direction	S
D5	09 Sep 2026	Water Temp (C)	20.5
D5	09 Sep 2026	High Tide Time	855
D5	09 Sep 2026	Low Tide Time	248
D5	09 Sep 2026	Comments	Water turbid; Trash-1; Algae
D5	16 Sep 2026	Arrive Time	907
D5	16 Sep 2026	Wind Speed (kts)	0.4
D5	16 Sep 2026	Wind Dir	SW
D5	16 Sep 2026	Animal Life	
D5	16 Sep 2026	Floatables	Foam
D5	16 Sep 2026	Current Direction	S
D5	16 Sep 2026	Water Temp (C)	22
D5	16 Sep 2026	High Tide Time	105
D5	16 Sep 2026	Low Tide Time	537
D5	16 Sep 2026	Comments	Water clear; Trash-2; Kelp
D5	23 Sep 2026	Arrive Time	940
D5	23 Sep 2026	Wind Speed (kts)	0
D5	23 Sep 2026	Wind Dir	XX
D5	23 Sep 2026	Animal Life	
D5	23 Sep 2026	Floatables	Foam
D5	23 Sep 2026	Current Direction	S
D5	23 Sep 2026	Water Temp (C)	21.7
D5	23 Sep 2026	High Tide Time	816
D5	23 Sep 2026	Low Tide Time	205
D5	23 Sep 2026	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae
D5	29 Sep 2026	Arrive Time	951
D5	29 Sep 2026	Wind Speed (kts)	0
D5	29 Sep 2026	Wind Dir	XX
D5	29 Sep 2026	Animal Life	
D5	29 Sep 2026	Floatables	Foam
D5	29 Sep 2026	Current Direction	S
D5	29 Sep 2026	Water Temp (C)	20.2
D5	29 Sep 2026	High Tide Time	1045
D5	29 Sep 2026	Low Tide Time	433
D5	29 Sep 2026	Comments	Water clear; Trash-2; Kelp;Seagrass
D7	02 Sep 2026	Arrive Time	846
D7	02 Sep 2026	Wind Speed (kts)	0.7
D7	02 Sep 2026	Wind Dir	W
D7	02 Sep 2026	Animal Life	
D7	02 Sep 2026	Floatables	
D7	02 Sep 2026	Current Direction	S
D7	02 Sep 2026	Water Temp (C)	19.6

Station	Date	Parameter	Value
D7	02 Sep 2026	High Tide Time	50
D7	02 Sep 2026	Low Tide Time	600
D7	02 Sep 2026	Comments	Water clear; Surfer/Paddle boarder-2; Trash-2; Kelp;Seagrass
D7	09 Sep 2026	Arrive Time	836
D7	09 Sep 2026	Wind Speed (kts)	1.4
D7	09 Sep 2026	Wind Dir	N
D7	09 Sep 2026	Animal Life	
D7	09 Sep 2026	Floatables	
D7	09 Sep 2026	Current Direction	S
D7	09 Sep 2026	Water Temp (C)	19
D7	09 Sep 2026	High Tide Time	855
D7	09 Sep 2026	Low Tide Time	248
D7	09 Sep 2026	Comments	Water clear; Surfer/Paddle boarder-6; Trash-1; Kelp;Algae
D7	16 Sep 2026	Arrive Time	839
D7	16 Sep 2026	Wind Speed (kts)	2.5
D7	16 Sep 2026	Wind Dir	SW
D7	16 Sep 2026	Animal Life	Bird-8;
D7	16 Sep 2026	Floatables	
D7	16 Sep 2026	Current Direction	S
D7	16 Sep 2026	Water Temp (C)	21.1
D7	16 Sep 2026	High Tide Time	105
D7	16 Sep 2026	Low Tide Time	537
D7	16 Sep 2026	Comments	Water clear; Surfer/Paddle boarder-7; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-1
D7	23 Sep 2026	Arrive Time	917
D7	23 Sep 2026	Wind Speed (kts)	1.9
D7	23 Sep 2026	Wind Dir	W
D7	23 Sep 2026	Animal Life	
D7	23 Sep 2026	Floatables	
D7	23 Sep 2026	Current Direction	S
D7	23 Sep 2026	Water Temp (C)	20.7
D7	23 Sep 2026	High Tide Time	816
D7	23 Sep 2026	Low Tide Time	205
D7	23 Sep 2026	Comments	Water clear; Surfer/Paddle boarder-2; Trash-1; Seagrass;Algae;Kelp
D7	29 Sep 2026	Arrive Time	918
D7	29 Sep 2026	Wind Speed (kts)	0.9
D7	29 Sep 2026	Wind Dir	NW
D7	29 Sep 2026	Animal Life	
D7	29 Sep 2026	Floatables	Foam
D7	29 Sep 2026	Current Direction	S
D7	29 Sep 2026	Water Temp (C)	19.1
D7	29 Sep 2026	High Tide Time	1045
D7	29 Sep 2026	Low Tide Time	433
D7	29 Sep 2026	Comments	Water clear; Trash-3; Kelp;Seagrass; Person/Walker/Jogger-3
D8	02 Sep 2026	Arrive Time	835
D8	02 Sep 2026	Wind Speed (kts)	0.7
D8	02 Sep 2026	Wind Dir	NW
D8	02 Sep 2026	Animal Life	Dog-1;
D8	02 Sep 2026	Floatables	
D8	02 Sep 2026	Current Direction	S
D8	02 Sep 2026	Water Temp (C)	20.1
D8	02 Sep 2026	High Tide Time	50
D8	02 Sep 2026	Low Tide Time	600

Station	Date	Parameter	Value
D8	02 Sep 2026	Comments	Water clear; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-1
D8	09 Sep 2026	Arrive Time	824
D8	09 Sep 2026	Wind Speed (kts)	0
D8	09 Sep 2026	Wind Dir	XX
D8	09 Sep 2026	Animal Life	
D8	09 Sep 2026	Floatables	
D8	09 Sep 2026	Current Direction	S
D8	09 Sep 2026	Water Temp (C)	19.2
D8	09 Sep 2026	High Tide Time	855
D8	09 Sep 2026	Low Tide Time	248
D8	09 Sep 2026	Comments	Water clear; Trash-1; Kelp;Seagrass;Algae; Sewage-like odor
D8	16 Sep 2026	Arrive Time	826
D8	16 Sep 2026	Wind Speed (kts)	2
D8	16 Sep 2026	Wind Dir	SW
D8	16 Sep 2026	Animal Life	Dog-2;
D8	16 Sep 2026	Floatables	Foam
D8	16 Sep 2026	Current Direction	S
D8	16 Sep 2026	Water Temp (C)	22.1
D8	16 Sep 2026	High Tide Time	105
D8	16 Sep 2026	Low Tide Time	537
D8	16 Sep 2026	Comments	Water clear; Boogie boarder/Swimmer-1; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-2
D8	23 Sep 2026	Arrive Time	905
D8	23 Sep 2026	Wind Speed (kts)	0.9
D8	23 Sep 2026	Wind Dir	NW
D8	23 Sep 2026	Animal Life	
D8	23 Sep 2026	Floatables	
D8	23 Sep 2026	Current Direction	S
D8	23 Sep 2026	Water Temp (C)	20.4
D8	23 Sep 2026	High Tide Time	816
D8	23 Sep 2026	Low Tide Time	205
D8	23 Sep 2026	Comments	Water clear; Trash-1; Seagrass;Kelp;Algae
D8	24 Sep 2026	Arrive Time	922
D8	24 Sep 2026	Wind Speed (kts)	0.8
D8	24 Sep 2026	Wind Dir	SW
D8	24 Sep 2026	Animal Life	Dog-2;
D8	24 Sep 2026	Floatables	
D8	24 Sep 2026	Current Direction	N
D8	24 Sep 2026	Water Temp (C)	21.1
D8	24 Sep 2026	High Tide Time	835
D8	24 Sep 2026	Low Tide Time	230
D8	24 Sep 2026	Comments	Water clear; Trash-2; Kelp;Seagrass;Algae;Debris; Person/Walker/Jogger-2
D8	29 Sep 2026	Arrive Time	859
D8	29 Sep 2026	Wind Speed (kts)	1.9
D8	29 Sep 2026	Wind Dir	NW
D8	29 Sep 2026	Animal Life	
D8	29 Sep 2026	Floatables	
D8	29 Sep 2026	Current Direction	S
D8	29 Sep 2026	Water Temp (C)	18.2
D8	29 Sep 2026	High Tide Time	1045
D8	29 Sep 2026	Low Tide Time	433
D8	29 Sep 2026	Comments	Water clear; Trash-2; Kelp;Seagrass
D9	02 Sep 2026	Arrive Time	820

Station	Date	Parameter	Value
D9	02 Sep 2026	Wind Speed (kts)	1.2
D9	02 Sep 2026	Wind Dir	NW
D9	02 Sep 2026	Animal Life	
D9	02 Sep 2026	Floatables	
D9	02 Sep 2026	Current Direction	S
D9	02 Sep 2026	Water Temp (C)	20.6
D9	02 Sep 2026	High Tide Time	50
D9	02 Sep 2026	Low Tide Time	600
D9	02 Sep 2026	Comments	Water clear; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-3
D9	09 Sep 2026	Arrive Time	810
D9	09 Sep 2026	Wind Speed (kts)	0.3
D9	09 Sep 2026	Wind Dir	W
D9	09 Sep 2026	Animal Life	
D9	09 Sep 2026	Floatables	
D9	09 Sep 2026	Current Direction	S
D9	09 Sep 2026	Water Temp (C)	18.8
D9	09 Sep 2026	High Tide Time	855
D9	09 Sep 2026	Low Tide Time	248
D9	09 Sep 2026	Comments	Water clear; Trash-1; Algae
D9	16 Sep 2026	Arrive Time	811
D9	16 Sep 2026	Wind Speed (kts)	2.1
D9	16 Sep 2026	Wind Dir	S
D9	16 Sep 2026	Animal Life	
D9	16 Sep 2026	Floatables	
D9	16 Sep 2026	Current Direction	S
D9	16 Sep 2026	Water Temp (C)	20.6
D9	16 Sep 2026	High Tide Time	105
D9	16 Sep 2026	Low Tide Time	537
D9	16 Sep 2026	Comments	Water clear; Trash-2; Algae
D9	23 Sep 2026	Arrive Time	853
D9	23 Sep 2026	Wind Speed (kts)	0.2
D9	23 Sep 2026	Wind Dir	NW
D9	23 Sep 2026	Animal Life	Dog-1;
D9	23 Sep 2026	Floatables	
D9	23 Sep 2026	Current Direction	S
D9	23 Sep 2026	Water Temp (C)	21.1
D9	23 Sep 2026	High Tide Time	816
D9	23 Sep 2026	Low Tide Time	205
D9	23 Sep 2026	Comments	Water clear; Surfer/Paddle boarder-1; Trash-2; Kelp; Person/Walker/Jogger-4
D9	29 Sep 2026	Arrive Time	843
D9	29 Sep 2026	Wind Speed (kts)	2.1
D9	29 Sep 2026	Wind Dir	SW
D9	29 Sep 2026	Animal Life	
D9	29 Sep 2026	Floatables	
D9	29 Sep 2026	Current Direction	N
D9	29 Sep 2026	Water Temp (C)	18.9
D9	29 Sep 2026	High Tide Time	1045
D9	29 Sep 2026	Low Tide Time	433
D9	29 Sep 2026	Comments	Water clear; Trash-2; Kelp;Algae; Person/Walker/Jogger-4
D10	02 Sep 2026	Arrive Time	808
D10	02 Sep 2026	Wind Speed (kts)	1.2
D10	02 Sep 2026	Wind Dir	NW
D10	02 Sep 2026	Animal Life	Bird-6; Dog-2;
D10	02 Sep 2026	Floatables	

Station	Date	Parameter	Value
D10	02 Sep 2026	Current Direction	S
D10	02 Sep 2026	Water Temp (C)	20.2
D10	02 Sep 2026	High Tide Time	50
D10	02 Sep 2026	Low Tide Time	600
D10	02 Sep 2026	Comments	Water clear; Surfer/Paddle boarder-18; Trash-3; Kelp;Seagrass; Person/Walker/Jogger-9
D10	09 Sep 2026	Arrive Time	745
D10	09 Sep 2026	Wind Speed (kts)	1
D10	09 Sep 2026	Wind Dir	W
D10	09 Sep 2026	Animal Life	Dog-2;
D10	09 Sep 2026	Floatables	
D10	09 Sep 2026	Current Direction	S
D10	09 Sep 2026	Water Temp (C)	19.2
D10	09 Sep 2026	High Tide Time	855
D10	09 Sep 2026	Low Tide Time	248
D10	09 Sep 2026	Comments	Water clear; Surfer/Paddle boarder-12; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-4
D10	16 Sep 2026	Arrive Time	751
D10	16 Sep 2026	Wind Speed (kts)	1
D10	16 Sep 2026	Wind Dir	W
D10	16 Sep 2026	Animal Life	Bird-5; Dog-4;
D10	16 Sep 2026	Floatables	
D10	16 Sep 2026	Current Direction	S
D10	16 Sep 2026	Water Temp (C)	21.6
D10	16 Sep 2026	High Tide Time	105
D10	16 Sep 2026	Low Tide Time	537
D10	16 Sep 2026	Comments	Water clear; Surfer/Paddle boarder-10; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-6
D10	23 Sep 2026	Arrive Time	837
D10	23 Sep 2026	Wind Speed (kts)	0
D10	23 Sep 2026	Wind Dir	XX
D10	23 Sep 2026	Animal Life	Dog-1;
D10	23 Sep 2026	Floatables	
D10	23 Sep 2026	Current Direction	S
D10	23 Sep 2026	Water Temp (C)	20.9
D10	23 Sep 2026	High Tide Time	816
D10	23 Sep 2026	Low Tide Time	205
D10	23 Sep 2026	Comments	Water clear; Surfer/Paddle boarder-12; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-1
D10	29 Sep 2026	Arrive Time	817
D10	29 Sep 2026	Wind Speed (kts)	1.1
D10	29 Sep 2026	Wind Dir	NE
D10	29 Sep 2026	Animal Life	
D10	29 Sep 2026	Floatables	
D10	29 Sep 2026	Current Direction	N
D10	29 Sep 2026	Water Temp (C)	18.9
D10	29 Sep 2026	High Tide Time	1045
D10	29 Sep 2026	Low Tide Time	433
D10	29 Sep 2026	Comments	Water clear; Trash-2; Kelp;Seagrass;Algae;Debris; Person/Walker/Jogger-1
D11	02 Sep 2026	Arrive Time	757
D11	02 Sep 2026	Wind Speed (kts)	0
D11	02 Sep 2026	Wind Dir	XX
D11	02 Sep 2026	Animal Life	Dog-3;
D11	02 Sep 2026	Floatables	
D11	02 Sep 2026	Current Direction	S

Station	Date	Parameter	Value
D11	02 Sep 2026	Water Temp (C)	18.5
D11	02 Sep 2026	High Tide Time	50
D11	02 Sep 2026	Low Tide Time	600
D11	02 Sep 2026	Comments	Water clear; Surfer/Paddle boarder-12; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-4
D11	09 Sep 2026	Arrive Time	734
D11	09 Sep 2026	Wind Speed (kts)	1.4
D11	09 Sep 2026	Wind Dir	W
D11	09 Sep 2026	Animal Life	Dog-2;
D11	09 Sep 2026	Floatables	
D11	09 Sep 2026	Current Direction	S
D11	09 Sep 2026	Water Temp (C)	18.6
D11	09 Sep 2026	High Tide Time	855
D11	09 Sep 2026	Low Tide Time	248
D11	09 Sep 2026	Comments	Water clear; Surfer/Paddle boarder-8; Trash-1; Kelp;Seagrass;Algae; Person/Walker/Jogger-4
D11	16 Sep 2026	Arrive Time	739
D11	16 Sep 2026	Wind Speed (kts)	3.8
D11	16 Sep 2026	Wind Dir	W
D11	16 Sep 2026	Animal Life	Bird-3; Dog-2;
D11	16 Sep 2026	Floatables	
D11	16 Sep 2026	Current Direction	S
D11	16 Sep 2026	Water Temp (C)	20.2
D11	16 Sep 2026	High Tide Time	105
D11	16 Sep 2026	Low Tide Time	537
D11	16 Sep 2026	Comments	Water clear; Surfer/Paddle boarder-15; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-6
D11	23 Sep 2026	Arrive Time	825
D11	23 Sep 2026	Wind Speed (kts)	0
D11	23 Sep 2026	Wind Dir	XX
D11	23 Sep 2026	Animal Life	
D11	23 Sep 2026	Floatables	
D11	23 Sep 2026	Current Direction	S
D11	23 Sep 2026	Water Temp (C)	20.2
D11	23 Sep 2026	High Tide Time	816
D11	23 Sep 2026	Low Tide Time	205
D11	23 Sep 2026	Comments	Water clear; Surfer/Paddle boarder-20; Trash-1; Kelp;Seagrass;Algae; Person/Walker/Jogger-5
D11	29 Sep 2026	Arrive Time	804
D11	29 Sep 2026	Wind Speed (kts)	0
D11	29 Sep 2026	Wind Dir	XX
D11	29 Sep 2026	Animal Life	
D11	29 Sep 2026	Floatables	
D11	29 Sep 2026	Current Direction	N
D11	29 Sep 2026	Water Temp (C)	17.9
D11	29 Sep 2026	High Tide Time	1045
D11	29 Sep 2026	Low Tide Time	433
D11	29 Sep 2026	Comments	Water clear; Surfer/Paddle boarder-18; Trash-2; Kelp;Seagrass;Algae;Debris; Person/Walker/Jogger-1
D12	02 Sep 2026	Arrive Time	735
D12	02 Sep 2026	Wind Speed (kts)	1.1
D12	02 Sep 2026	Wind Dir	NW
D12	02 Sep 2026	Animal Life	Bird-6;
D12	02 Sep 2026	Floatables	
D12	02 Sep 2026	Current Direction	S
D12	02 Sep 2026	Water Temp (C)	19

Station	Date	Parameter	Value
D12	02 Sep 2026	High Tide Time	50
D12	02 Sep 2026	Low Tide Time	600
D12	02 Sep 2026	Comments	Water clear; Trash-3; Kelp;Seagrass; Person/Walker/Jogger-8
D12	09 Sep 2026	Arrive Time	714
D12	09 Sep 2026	Wind Speed (kts)	0.7
D12	09 Sep 2026	Wind Dir	N
D12	09 Sep 2026	Animal Life	Bird-3;
D12	09 Sep 2026	Floatables	
D12	09 Sep 2026	Current Direction	S
D12	09 Sep 2026	Water Temp (C)	19.3
D12	09 Sep 2026	High Tide Time	855
D12	09 Sep 2026	Low Tide Time	248
D12	09 Sep 2026	Comments	Water clear; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-4
D12	16 Sep 2026	Arrive Time	719
D12	16 Sep 2026	Wind Speed (kts)	3
D12	16 Sep 2026	Wind Dir	W
D12	16 Sep 2026	Animal Life	Bird-15;
D12	16 Sep 2026	Floatables	
D12	16 Sep 2026	Current Direction	S
D12	16 Sep 2026	Water Temp (C)	19.7
D12	16 Sep 2026	High Tide Time	105
D12	16 Sep 2026	Low Tide Time	537
D12	16 Sep 2026	Comments	Water clear; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-5
D12	23 Sep 2026	Arrive Time	806
D12	23 Sep 2026	Wind Speed (kts)	1
D12	23 Sep 2026	Wind Dir	N
D12	23 Sep 2026	Animal Life	
D12	23 Sep 2026	Floatables	
D12	23 Sep 2026	Current Direction	S
D12	23 Sep 2026	Water Temp (C)	21.1
D12	23 Sep 2026	High Tide Time	816
D12	23 Sep 2026	Low Tide Time	205
D12	23 Sep 2026	Comments	Water clear; Surfer/Paddle boarder-7; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-7
D12	29 Sep 2026	Arrive Time	741
D12	29 Sep 2026	Wind Speed (kts)	1.3
D12	29 Sep 2026	Wind Dir	E
D12	29 Sep 2026	Animal Life	
D12	29 Sep 2026	Floatables	
D12	29 Sep 2026	Current Direction	N
D12	29 Sep 2026	Water Temp (C)	20.4
D12	29 Sep 2026	High Tide Time	1045
D12	29 Sep 2026	Low Tide Time	433
D12	29 Sep 2026	Comments	Water clear; Surfer/Paddle boarder-1; Trash-3; Kelp;Seagrass;Debris;Algae; Person/Walker/Jogger-1

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Kelp Stations

Table 3.1

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

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

* Geometric mean calculated using n<5

Table 3.2

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

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

* 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
September	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	01 Sep 2026	758	1	<2	<1
A1	01 Sep 2026	758	12	<2	<1
A1	01 Sep 2026	758	18	<2	2
A1	08 Sep 2026	805	1	<2	<1
A1	08 Sep 2026	805	12	<2	<1
A1	08 Sep 2026	805	18	<2	<1
A1	14 Sep 2026	850	1	<2	<1
A1	14 Sep 2026	850	12	<2	<1
A1	14 Sep 2026	850	18	<2	<1
A1	22 Sep 2026	751	1	<2	<1
A1	22 Sep 2026	751	12	<2	<1
A1	22 Sep 2026	751	18	<2	<1
A1	28 Sep 2026	810	1	<2	<1
A1	28 Sep 2026	810	12	<2	<1
A1	28 Sep 2026	810	18	<2	1
A6	01 Sep 2026	830	1	<2	<1
A6	01 Sep 2026	830	12	2e	<1
A6	01 Sep 2026	830	18	<2	<1
A6	08 Sep 2026	837	1	<2	<1
A6	08 Sep 2026	837	12	<2	<1
A6	08 Sep 2026	837	18	<2	<1
A6	14 Sep 2026	917	1	<2	<1
A6	14 Sep 2026	917	12	2e	<1
A6	14 Sep 2026	917	18	2e	<1
A6	22 Sep 2026	819	1	<2	<1
A6	22 Sep 2026	819	12	<2	<1
A6	22 Sep 2026	819	18	<2	<1
A6	28 Sep 2026	838	1	<2	<1
A6	28 Sep 2026	838	12	<2	<1
A6	28 Sep 2026	838	18	<2	<1
A7	01 Sep 2026	810	1	<2	<1
A7	01 Sep 2026	810	12	<2	1
A7	01 Sep 2026	810	18	<2	<1
A7	08 Sep 2026	820	1	<2	<1
A7	08 Sep 2026	820	12	<2	<1
A7	08 Sep 2026	820	18	<2	<1
A7	14 Sep 2026	902	1	<2	1
A7	14 Sep 2026	902	12	<2	<1
A7	14 Sep 2026	902	18	<2	<1
A7	22 Sep 2026	803	1	<2	<1
A7	22 Sep 2026	803	12	<2	<1
A7	22 Sep 2026	803	18	<2	<1

Station	Date	Time	Depth	Fecal	Entero
A7	28 Sep 2026	824	1	<2	<1
A7	28 Sep 2026	824	12	<2	<1
A7	28 Sep 2026	824	18	<2	<1
C4	01 Sep 2026	940	1	<2	<1
C4	01 Sep 2026	940	3	<2	<1
C4	01 Sep 2026	940	9	2e	<1
C4	08 Sep 2026	1000	1	<2	<1
C4	08 Sep 2026	1000	3	<2	<1
C4	08 Sep 2026	1000	9	<2	2
C4	14 Sep 2026	1028	1	<2	<1
C4	14 Sep 2026	1028	3	<2	<1
C4	14 Sep 2026	1028	9	<2	<1
C4	22 Sep 2026	931	1	<2	<1
C4	22 Sep 2026	931	3	<2	<1
C4	22 Sep 2026	931	9	2e	<1
C4	28 Sep 2026	944	1	<2	<1
C4	28 Sep 2026	944	3	<2	<1
C4	28 Sep 2026	944	9	<2	<1
C5	01 Sep 2026	927	1	<2	<1
C5	01 Sep 2026	927	3	<2	<1
C5	01 Sep 2026	927	9	<2	<1
C5	08 Sep 2026	944	1	<2	<1
C5	08 Sep 2026	944	3	<2	<1
C5	08 Sep 2026	944	9	<2	<1
C5	14 Sep 2026	1017	1	<2	<1
C5	14 Sep 2026	1017	3	<2	<1
C5	14 Sep 2026	1017	9	<2	<1
C5	22 Sep 2026	917	1	<2	<1
C5	22 Sep 2026	917	3	<2	<1
C5	22 Sep 2026	917	9	<2	1
C5	28 Sep 2026	933	1	2e	<1
C5	28 Sep 2026	933	3	<2	<1
C5	28 Sep 2026	933	9	<2	<1
C6	01 Sep 2026	917	1	<2	<1
C6	01 Sep 2026	917	3	<2	<1
C6	01 Sep 2026	917	9	<2	<1
C6	08 Sep 2026	933	1	<2	<1
C6	08 Sep 2026	933	3	<2	<1
C6	08 Sep 2026	933	9	<2	<1
C6	14 Sep 2026	1006	1	<2	<1
C6	14 Sep 2026	1006	3	<2	<1
C6	14 Sep 2026	1006	9	<2	<1
C6	22 Sep 2026	907	1	<2	<1
C6	22 Sep 2026	907	3	<2	<1
C6	22 Sep 2026	907	9	<2	1

Station	Date	Time	Depth	Fecal	Entero
C6	28 Sep 2026	924	1	<2	<1
C6	28 Sep 2026	924	3	2e	<1
C6	28 Sep 2026	924	9	<2	<1
C7	01 Sep 2026	845	1	<2	<1
C7	01 Sep 2026	845	12	<2	<1
C7	01 Sep 2026	845	18	6e	<1
C7	08 Sep 2026	856	1	<2	<1
C7	08 Sep 2026	856	12	<2	<1
C7	08 Sep 2026	856	18	<2	<1
C7	14 Sep 2026	931	1	<2	<1
C7	14 Sep 2026	931	12	<2	<1
C7	14 Sep 2026	931	18	<2	1
C7	22 Sep 2026	832	1	<2	<1
C7	22 Sep 2026	832	12	<2	<1
C7	22 Sep 2026	832	18	<2	<1
C7	28 Sep 2026	851	1	<2	<1
C7	28 Sep 2026	851	12	<2	<1
C7	28 Sep 2026	851	18	4e	<1
C8	01 Sep 2026	857	1	<2	<1
C8	01 Sep 2026	857	12	<2	<1
C8	01 Sep 2026	857	18	<2	1
C8	08 Sep 2026	912	1	<2	<1
C8	08 Sep 2026	912	12	<2	<1
C8	08 Sep 2026	912	18	<2	<1
C8	14 Sep 2026	944	1	<2	<1
C8	14 Sep 2026	944	12	<2	<1
C8	14 Sep 2026	944	18	<2	<1
C8	22 Sep 2026	846	1	<2	<1
C8	22 Sep 2026	846	12	<2	<1
C8	22 Sep 2026	846	18	<2	<1
C8	28 Sep 2026	902	1	<2	<1
C8	28 Sep 2026	902	12	<2	<1
C8	28 Sep 2026	902	18	2e	<1

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	01 Sep 2026	Arrive Time	748
A1	01 Sep 2026	Depart Time	758
A1	01 Sep 2026	Air Temp (C)	21.2
A1	01 Sep 2026	Visibility (mi)	10
A1	01 Sep 2026	Wind Speed (kts)	4.1
A1	01 Sep 2026	Wind Dir	NW
A1	01 Sep 2026	Sea State	Confused Swell
A1	01 Sep 2026	High Tide Time	1206
A1	01 Sep 2026	Low Tide Time	1854
A1	01 Sep 2026	Comments	Kelp Detritus
A1	08 Sep 2026	Arrive Time	805
A1	08 Sep 2026	Depart Time	812
A1	08 Sep 2026	Air Temp (C)	24
A1	08 Sep 2026	Visibility (mi)	10
A1	08 Sep 2026	Wind Speed (kts)	4.7
A1	08 Sep 2026	Wind Dir	N
A1	08 Sep 2026	Sea State	Confused Swell
A1	08 Sep 2026	High Tide Time	1954
A1	08 Sep 2026	Low Tide Time	206
A1	08 Sep 2026	Comments	Recovered with Kelp on CTD
A1	14 Sep 2026	Arrive Time	850
A1	14 Sep 2026	Depart Time	858
A1	14 Sep 2026	Air Temp (C)	21.6
A1	14 Sep 2026	Visibility (mi)	6
A1	14 Sep 2026	Wind Speed (kts)	4
A1	14 Sep 2026	Wind Dir	SW
A1	14 Sep 2026	Sea State	Heavy Chop
A1	14 Sep 2026	High Tide Time	1118
A1	14 Sep 2026	Low Tide Time	1806
A1	14 Sep 2026	Comments	Kelp Debris
A1	22 Sep 2026	Arrive Time	751
A1	22 Sep 2026	Depart Time	758
A1	22 Sep 2026	Air Temp (C)	21.7
A1	22 Sep 2026	Visibility (mi)	10
A1	22 Sep 2026	Wind Speed (kts)	4.7
A1	22 Sep 2026	Wind Dir	NW
A1	22 Sep 2026	Sea State	Light Chop
A1	22 Sep 2026	High Tide Time	1912
A1	22 Sep 2026	Low Tide Time	130
A1	22 Sep 2026	Comments	
A1	28 Sep 2026	Arrive Time	810
A1	28 Sep 2026	Depart Time	819
A1	28 Sep 2026	Air Temp (C)	23.9
A1	28 Sep 2026	Visibility (mi)	10
A1	28 Sep 2026	Wind Speed (kts)	0.7
A1	28 Sep 2026	Wind Dir	N
A1	28 Sep 2026	Sea State	Light Chop
A1	28 Sep 2026	High Tide Time	1018
A1	28 Sep 2026	Low Tide Time	1654
A1	28 Sep 2026	Comments	Kelp; Kelp Debris
C4	01 Sep 2026	Arrive Time	938

Station	Date	Parameter	Value
C4	01 Sep 2026	Depart Time	940
C4	01 Sep 2026	Air Temp (C)	22.7
C4	01 Sep 2026	Visibility (mi)	10
C4	01 Sep 2026	Wind Speed (kts)	4.7
C4	01 Sep 2026	Wind Dir	N
C4	01 Sep 2026	Sea State	Confused Swell
C4	01 Sep 2026	High Tide Time	1206
C4	01 Sep 2026	Low Tide Time	1854
C4	01 Sep 2026	Comments	
C4	08 Sep 2026	Arrive Time	1000
C4	08 Sep 2026	Depart Time	1006
C4	08 Sep 2026	Air Temp (C)	25.2
C4	08 Sep 2026	Visibility (mi)	10
C4	08 Sep 2026	Wind Speed (kts)	4.8
C4	08 Sep 2026	Wind Dir	N
C4	08 Sep 2026	Sea State	Confused Swell
C4	08 Sep 2026	High Tide Time	1954
C4	08 Sep 2026	Low Tide Time	206
C4	08 Sep 2026	Comments	CTD recovered with a large kelp mass; Kelp; Kelp Debris
C4	14 Sep 2026	Arrive Time	1028
C4	14 Sep 2026	Depart Time	1035
C4	14 Sep 2026	Air Temp (C)	24
C4	14 Sep 2026	Visibility (mi)	6
C4	14 Sep 2026	Wind Speed (kts)	4.4
C4	14 Sep 2026	Wind Dir	S
C4	14 Sep 2026	Sea State	Heavy Chop
C4	14 Sep 2026	High Tide Time	1118
C4	14 Sep 2026	Low Tide Time	1806
C4	14 Sep 2026	Comments	
C4	22 Sep 2026	Arrive Time	931
C4	22 Sep 2026	Depart Time	939
C4	22 Sep 2026	Air Temp (C)	25.7
C4	22 Sep 2026	Visibility (mi)	10
C4	22 Sep 2026	Wind Speed (kts)	3.5
C4	22 Sep 2026	Wind Dir	NW
C4	22 Sep 2026	Sea State	Light Chop
C4	22 Sep 2026	High Tide Time	1912
C4	22 Sep 2026	Low Tide Time	130
C4	22 Sep 2026	Comments	
C4	28 Sep 2026	Arrive Time	944
C4	28 Sep 2026	Depart Time	948
C4	28 Sep 2026	Air Temp (C)	25.2
C4	28 Sep 2026	Visibility (mi)	10
C4	28 Sep 2026	Wind Speed (kts)	3.1
C4	28 Sep 2026	Wind Dir	N
C4	28 Sep 2026	Sea State	Light Chop
C4	28 Sep 2026	High Tide Time	1018
C4	28 Sep 2026	Low Tide Time	1654
C4	28 Sep 2026	Comments	
A7	01 Sep 2026	Arrive Time	804
A7	01 Sep 2026	Depart Time	810
A7	01 Sep 2026	Air Temp (C)	21.4
A7	01 Sep 2026	Visibility (mi)	10
A7	01 Sep 2026	Wind Speed (kts)	4.5
A7	01 Sep 2026	Wind Dir	NW
A7	01 Sep 2026	Sea State	Confused Swell

Station	Date	Parameter	Value
A7	01 Sep 2026	High Tide Time	1206
A7	01 Sep 2026	Low Tide Time	1854
A7	01 Sep 2026	Comments	
A7	08 Sep 2026	Arrive Time	820
A7	08 Sep 2026	Depart Time	831
A7	08 Sep 2026	Air Temp (C)	24.4
A7	08 Sep 2026	Visibility (mi)	10
A7	08 Sep 2026	Wind Speed (kts)	2.3
A7	08 Sep 2026	Wind Dir	NE
A7	08 Sep 2026	Sea State	Confused Swell
A7	08 Sep 2026	High Tide Time	1954
A7	08 Sep 2026	Low Tide Time	206
A7	08 Sep 2026	Comments	Did not maintain station position; recast use 2nd; Kelp Debris
A7	14 Sep 2026	Arrive Time	902
A7	14 Sep 2026	Depart Time	910
A7	14 Sep 2026	Air Temp (C)	21.7
A7	14 Sep 2026	Visibility (mi)	6
A7	14 Sep 2026	Wind Speed (kts)	3.8
A7	14 Sep 2026	Wind Dir	SW
A7	14 Sep 2026	Sea State	Heavy Chop
A7	14 Sep 2026	High Tide Time	1118
A7	14 Sep 2026	Low Tide Time	1806
A7	14 Sep 2026	Comments	Kelp Debris
A7	22 Sep 2026	Arrive Time	803
A7	22 Sep 2026	Depart Time	810
A7	22 Sep 2026	Air Temp (C)	21.7
A7	22 Sep 2026	Visibility (mi)	10
A7	22 Sep 2026	Wind Speed (kts)	9.2
A7	22 Sep 2026	Wind Dir	NW
A7	22 Sep 2026	Sea State	Light Chop
A7	22 Sep 2026	High Tide Time	1912
A7	22 Sep 2026	Low Tide Time	130
A7	22 Sep 2026	Comments	
A7	28 Sep 2026	Arrive Time	824
A7	28 Sep 2026	Depart Time	838
A7	28 Sep 2026	Air Temp (C)	22.5
A7	28 Sep 2026	Visibility (mi)	10
A7	28 Sep 2026	Wind Speed (kts)	2.5
A7	28 Sep 2026	Wind Dir	NW
A7	28 Sep 2026	Sea State	Light Chop
A7	28 Sep 2026	High Tide Time	1018
A7	28 Sep 2026	Low Tide Time	1654
A7	28 Sep 2026	Comments	
C5	01 Sep 2026	Arrive Time	923
C5	01 Sep 2026	Depart Time	927
C5	01 Sep 2026	Air Temp (C)	23.1
C5	01 Sep 2026	Visibility (mi)	10
C5	01 Sep 2026	Wind Speed (kts)	6
C5	01 Sep 2026	Wind Dir	NW
C5	01 Sep 2026	Sea State	Confused Swell
C5	01 Sep 2026	High Tide Time	1206
C5	01 Sep 2026	Low Tide Time	1854
C5	01 Sep 2026	Comments	
C5	08 Sep 2026	Arrive Time	944
C5	08 Sep 2026	Depart Time	953

Station	Date	Parameter	Value
C5	08 Sep 2026	Air Temp (C)	23.5
C5	08 Sep 2026	Visibility (mi)	10
C5	08 Sep 2026	Wind Speed (kts)	5.4
C5	08 Sep 2026	Wind Dir	N
C5	08 Sep 2026	Sea State	Confused Swell
C5	08 Sep 2026	High Tide Time	1954
C5	08 Sep 2026	Low Tide Time	206
C5	08 Sep 2026	Comments	3 mistrip; recast for 9m water but use 1st cast for data; Kelp Debris
C5	14 Sep 2026	Arrive Time	1017
C5	14 Sep 2026	Depart Time	1022
C5	14 Sep 2026	Air Temp (C)	23.3
C5	14 Sep 2026	Visibility (mi)	6
C5	14 Sep 2026	Wind Speed (kts)	5.1
C5	14 Sep 2026	Wind Dir	SW
C5	14 Sep 2026	Sea State	Heavy Chop
C5	14 Sep 2026	High Tide Time	1118
C5	14 Sep 2026	Low Tide Time	1806
C5	14 Sep 2026	Comments	
C5	22 Sep 2026	Arrive Time	917
C5	22 Sep 2026	Depart Time	924
C5	22 Sep 2026	Air Temp (C)	22.9
C5	22 Sep 2026	Visibility (mi)	10
C5	22 Sep 2026	Wind Speed (kts)	3.1
C5	22 Sep 2026	Wind Dir	NW
C5	22 Sep 2026	Sea State	Light Chop
C5	22 Sep 2026	High Tide Time	1912
C5	22 Sep 2026	Low Tide Time	130
C5	22 Sep 2026	Comments	
C5	28 Sep 2026	Arrive Time	933
C5	28 Sep 2026	Depart Time	939
C5	28 Sep 2026	Air Temp (C)	24.3
C5	28 Sep 2026	Visibility (mi)	10
C5	28 Sep 2026	Wind Speed (kts)	4.7
C5	28 Sep 2026	Wind Dir	NW
C5	28 Sep 2026	Sea State	Light Chop
C5	28 Sep 2026	High Tide Time	1018
C5	28 Sep 2026	Low Tide Time	1654
C5	28 Sep 2026	Comments	
A6	01 Sep 2026	Arrive Time	818
A6	01 Sep 2026	Depart Time	830
A6	01 Sep 2026	Air Temp (C)	21.4
A6	01 Sep 2026	Visibility (mi)	10
A6	01 Sep 2026	Wind Speed (kts)	6.7
A6	01 Sep 2026	Wind Dir	NW
A6	01 Sep 2026	Sea State	Confused Swell
A6	01 Sep 2026	High Tide Time	1206
A6	01 Sep 2026	Low Tide Time	1854
A6	01 Sep 2026	Comments	
A6	08 Sep 2026	Arrive Time	837
A6	08 Sep 2026	Depart Time	845
A6	08 Sep 2026	Air Temp (C)	23.1
A6	08 Sep 2026	Visibility (mi)	10
A6	08 Sep 2026	Wind Speed (kts)	2.5
A6	08 Sep 2026	Wind Dir	NE
A6	08 Sep 2026	Sea State	Confused Swell

Station	Date	Parameter	Value
A6	08 Sep 2026	High Tide Time	1954
A6	08 Sep 2026	Low Tide Time	206
A6	08 Sep 2026	Comments	
A6	14 Sep 2026	Arrive Time	917
A6	14 Sep 2026	Depart Time	922
A6	14 Sep 2026	Air Temp (C)	22.1
A6	14 Sep 2026	Visibility (mi)	6
A6	14 Sep 2026	Wind Speed (kts)	5
A6	14 Sep 2026	Wind Dir	SW
A6	14 Sep 2026	Sea State	Heavy Chop
A6	14 Sep 2026	High Tide Time	1118
A6	14 Sep 2026	Low Tide Time	1806
A6	14 Sep 2026	Comments	Kelp Debris
A6	22 Sep 2026	Arrive Time	819
A6	22 Sep 2026	Depart Time	823
A6	22 Sep 2026	Air Temp (C)	21.9
A6	22 Sep 2026	Visibility (mi)	10
A6	22 Sep 2026	Wind Speed (kts)	4.1
A6	22 Sep 2026	Wind Dir	N
A6	22 Sep 2026	Sea State	Light Chop
A6	22 Sep 2026	High Tide Time	1912
A6	22 Sep 2026	Low Tide Time	130
A6	22 Sep 2026	Comments	
A6	28 Sep 2026	Arrive Time	838
A6	28 Sep 2026	Depart Time	842
A6	28 Sep 2026	Air Temp (C)	23.2
A6	28 Sep 2026	Visibility (mi)	10
A6	28 Sep 2026	Wind Speed (kts)	1.5
A6	28 Sep 2026	Wind Dir	NW
A6	28 Sep 2026	Sea State	Light Chop
A6	28 Sep 2026	High Tide Time	1018
A6	28 Sep 2026	Low Tide Time	1654
A6	28 Sep 2026	Comments	
C6	01 Sep 2026	Arrive Time	912
C6	01 Sep 2026	Depart Time	917
C6	01 Sep 2026	Air Temp (C)	22.4
C6	01 Sep 2026	Visibility (mi)	10
C6	01 Sep 2026	Wind Speed (kts)	6.9
C6	01 Sep 2026	Wind Dir	W
C6	01 Sep 2026	Sea State	Confused Swell
C6	01 Sep 2026	High Tide Time	1206
C6	01 Sep 2026	Low Tide Time	1854
C6	01 Sep 2026	Comments	
C6	08 Sep 2026	Arrive Time	933
C6	08 Sep 2026	Depart Time	938
C6	08 Sep 2026	Air Temp (C)	24.5
C6	08 Sep 2026	Visibility (mi)	10
C6	08 Sep 2026	Wind Speed (kts)	3.7
C6	08 Sep 2026	Wind Dir	NE
C6	08 Sep 2026	Sea State	Confused Swell
C6	08 Sep 2026	High Tide Time	1954
C6	08 Sep 2026	Low Tide Time	206
C6	08 Sep 2026	Comments	
C6	14 Sep 2026	Arrive Time	1006
C6	14 Sep 2026	Depart Time	1010

Station	Date	Parameter	Value
C6	14 Sep 2026	Air Temp (C)	22.5
C6	14 Sep 2026	Visibility (mi)	6
C6	14 Sep 2026	Wind Speed (kts)	5.2
C6	14 Sep 2026	Wind Dir	SW
C6	14 Sep 2026	Sea State	Heavy Chop
C6	14 Sep 2026	High Tide Time	1118
C6	14 Sep 2026	Low Tide Time	1806
C6	14 Sep 2026	Comments	Kelp Debris
C6	22 Sep 2026	Arrive Time	907
C6	22 Sep 2026	Depart Time	912
C6	22 Sep 2026	Air Temp (C)	22.2
C6	22 Sep 2026	Visibility (mi)	10
C6	22 Sep 2026	Wind Speed (kts)	4.5
C6	22 Sep 2026	Wind Dir	N
C6	22 Sep 2026	Sea State	Light Chop
C6	22 Sep 2026	High Tide Time	1912
C6	22 Sep 2026	Low Tide Time	130
C6	22 Sep 2026	Comments	
C6	28 Sep 2026	Arrive Time	924
C6	28 Sep 2026	Depart Time	927
C6	28 Sep 2026	Air Temp (C)	23.6
C6	28 Sep 2026	Visibility (mi)	10
C6	28 Sep 2026	Wind Speed (kts)	2.7
C6	28 Sep 2026	Wind Dir	N
C6	28 Sep 2026	Sea State	Light Chop
C6	28 Sep 2026	High Tide Time	1018
C6	28 Sep 2026	Low Tide Time	1654
C6	28 Sep 2026	Comments	
C7	01 Sep 2026	Arrive Time	840
C7	01 Sep 2026	Depart Time	845
C7	01 Sep 2026	Air Temp (C)	21.9
C7	01 Sep 2026	Visibility (mi)	10
C7	01 Sep 2026	Wind Speed (kts)	3.7
C7	01 Sep 2026	Wind Dir	NW
C7	01 Sep 2026	Sea State	Confused Swell
C7	01 Sep 2026	High Tide Time	1206
C7	01 Sep 2026	Low Tide Time	1854
C7	01 Sep 2026	Comments	
C7	08 Sep 2026	Arrive Time	856
C7	08 Sep 2026	Depart Time	905
C7	08 Sep 2026	Air Temp (C)	24.9
C7	08 Sep 2026	Visibility (mi)	10
C7	08 Sep 2026	Wind Speed (kts)	2.1
C7	08 Sep 2026	Wind Dir	NE
C7	08 Sep 2026	Sea State	Confused Swell
C7	08 Sep 2026	High Tide Time	1954
C7	08 Sep 2026	Low Tide Time	206
C7	08 Sep 2026	Comments	
C7	14 Sep 2026	Arrive Time	931
C7	14 Sep 2026	Depart Time	936
C7	14 Sep 2026	Air Temp (C)	22.2
C7	14 Sep 2026	Visibility (mi)	6
C7	14 Sep 2026	Wind Speed (kts)	4.2
C7	14 Sep 2026	Wind Dir	SW
C7	14 Sep 2026	Sea State	Heavy Chop
C7	14 Sep 2026	High Tide Time	1118

Station	Date	Parameter	Value
C7	14 Sep 2026	Low Tide Time	1806
C7	14 Sep 2026	Comments	Kelp Debris
C7	22 Sep 2026	Arrive Time	832
C7	22 Sep 2026	Depart Time	838
C7	22 Sep 2026	Air Temp (C)	21.7
C7	22 Sep 2026	Visibility (mi)	10
C7	22 Sep 2026	Wind Speed (kts)	7.7
C7	22 Sep 2026	Wind Dir	NW
C7	22 Sep 2026	Sea State	Light Chop
C7	22 Sep 2026	High Tide Time	1912
C7	22 Sep 2026	Low Tide Time	130
C7	22 Sep 2026	Comments	
C7	28 Sep 2026	Arrive Time	851
C7	28 Sep 2026	Depart Time	856
C7	28 Sep 2026	Air Temp (C)	22.8
C7	28 Sep 2026	Visibility (mi)	10
C7	28 Sep 2026	Wind Speed (kts)	2.4
C7	28 Sep 2026	Wind Dir	N
C7	28 Sep 2026	Sea State	Light Chop
C7	28 Sep 2026	High Tide Time	1018
C7	28 Sep 2026	Low Tide Time	1654
C7	28 Sep 2026	Comments	
C8	01 Sep 2026	Arrive Time	853
C8	01 Sep 2026	Depart Time	857
C8	01 Sep 2026	Air Temp (C)	22.1
C8	01 Sep 2026	Visibility (mi)	10
C8	01 Sep 2026	Wind Speed (kts)	4.3
C8	01 Sep 2026	Wind Dir	NW
C8	01 Sep 2026	Sea State	Confused Swell
C8	01 Sep 2026	High Tide Time	1206
C8	01 Sep 2026	Low Tide Time	1854
C8	01 Sep 2026	Comments	
C8	08 Sep 2026	Arrive Time	912
C8	08 Sep 2026	Depart Time	916
C8	08 Sep 2026	Air Temp (C)	24.6
C8	08 Sep 2026	Visibility (mi)	10
C8	08 Sep 2026	Wind Speed (kts)	0.8
C8	08 Sep 2026	Wind Dir	S
C8	08 Sep 2026	Sea State	Confused Swell
C8	08 Sep 2026	High Tide Time	1954
C8	08 Sep 2026	Low Tide Time	206
C8	08 Sep 2026	Comments	
C8	14 Sep 2026	Arrive Time	944
C8	14 Sep 2026	Depart Time	948
C8	14 Sep 2026	Air Temp (C)	22.8
C8	14 Sep 2026	Visibility (mi)	6
C8	14 Sep 2026	Wind Speed (kts)	3.4
C8	14 Sep 2026	Wind Dir	S
C8	14 Sep 2026	Sea State	Heavy Chop
C8	14 Sep 2026	High Tide Time	1118
C8	14 Sep 2026	Low Tide Time	1806
C8	14 Sep 2026	Comments	Kelp Debris
C8	22 Sep 2026	Arrive Time	846
C8	22 Sep 2026	Depart Time	850
C8	22 Sep 2026	Air Temp (C)	22.4

Station	Date	Parameter	Value
C8	22 Sep 2026	Visibility (mi)	10
C8	22 Sep 2026	Wind Speed (kts)	2.9
C8	22 Sep 2026	Wind Dir	N
C8	22 Sep 2026	Sea State	Light Chop
C8	22 Sep 2026	High Tide Time	1912
C8	22 Sep 2026	Low Tide Time	130
C8	22 Sep 2026	Comments	
C8	28 Sep 2026	Arrive Time	902
C8	28 Sep 2026	Depart Time	906
C8	28 Sep 2026	Air Temp (C)	23.5
C8	28 Sep 2026	Visibility (mi)	10
C8	28 Sep 2026	Wind Speed (kts)	3.1
C8	28 Sep 2026	Wind Dir	N
C8	28 Sep 2026	Sea State	Light Chop
C8	28 Sep 2026	High Tide Time	1018
C8	28 Sep 2026	Low Tide Time	1654
C8	28 Sep 2026	Comments	

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	01 Sep 2026	1	21.40	81.17	7.2	33.358	8.1	23.1	1.01	0.81
A1	01 Sep 2026	2	21.20	80.33	7.2	33.359	8.1	23.2	1.02	0.89
A1	01 Sep 2026	3	20.96	84.32	7.3	33.351	8.1	23.2	0.94	0.88
A1	01 Sep 2026	4	20.55	86.37	7.4	33.338	8.1	23.4	0.93	0.86
A1	01 Sep 2026	5	20.53	86.67	7.4	33.332	8.1	23.4	0.82	0.82
A1	01 Sep 2026	6	20.49	86.71	7.4	33.333	8.1	23.4	0.80	0.85
A1	01 Sep 2026	7	20.47	87.27	7.4	33.331	8.1	23.4	0.82	0.82
A1	01 Sep 2026	8	20.47	87.2	7.5	33.331	8.1	23.4	0.83	0.83
A1	01 Sep 2026	9	20.46	87.63	7.4	33.331	8.1	23.4	0.83	0.86
A1	01 Sep 2026	10	20.47	87.23	7.4	33.332	8.1	23.4	0.83	0.84
A1	01 Sep 2026	11	20.47	87.22	7.5	33.333	8.1	23.4	0.83	0.85
A1	01 Sep 2026	12	20.41	87.26	7.4	33.335	8.1	23.4	0.84	0.83
A1	01 Sep 2026	13	20.39	87.09	7.4	33.335	8.1	23.4	0.82	0.83
A1	01 Sep 2026	14	19.99	87.21	7.4	33.344	8.1	23.5	0.84	0.82
A1	01 Sep 2026	15	19.38	86.51	7.5	33.336	8.1	23.7	0.74	0.83
A1	01 Sep 2026	16	19.40	85.46	7.3	33.327	8.1	23.6	0.69	0.85
A1	01 Sep 2026	17	18.07	85.37	7.2	33.383	8.1	24.0	0.74	0.89
A1	01 Sep 2026	18	17.31	77.69	7.2	33.368	8.1	24.2	1.03	0.96
A1	01 Sep 2026	19	17.21	76.55	7.2	33.352	8.0	24.2	1.15	0.94
A1	08 Sep 2026	1	19.79	76.14	7.1	33.402	8.0	23.6	0.92	1.05
A1	08 Sep 2026	2	19.50	76.34	7.1	33.407	8.0	23.7	0.91	1.05
A1	08 Sep 2026	3	19.19	76.24	7.1	33.389	8.0	23.7	1.02	1.06
A1	08 Sep 2026	4	19.08	74.99	7.1	33.392	8.0	23.8	0.99	1.06
A1	08 Sep 2026	5	18.89	72.88	7.1	33.385	8.0	23.8	0.97	1.09
A1	08 Sep 2026	6	18.76	72.65	7.1	33.386	8.0	23.8	0.95	1.10
A1	08 Sep 2026	7	18.63	72.71	7.1	33.385	8.0	23.9	0.91	1.07
A1	08 Sep 2026	8	18.52	73.75	7.1	33.382	8.0	23.9	0.91	1.06
A1	08 Sep 2026	9	18.44	65.13	7.1	33.381	8.0	23.9	1.41	1.16
A1	08 Sep 2026	10	18.49	65.36	7.1	33.382	8.0	23.9	1.34	1.20
A1	08 Sep 2026	11	18.44	73.44	7.1	33.383	8.0	23.9	1.05	1.13
A1	08 Sep 2026	12	18.33	74.36	7.1	33.386	8.0	24.0	0.97	1.10
A1	08 Sep 2026	13	18.32	71.63	7.2	33.386	8.0	24.0	0.85	1.03
A1	08 Sep 2026	14	18.16	75.77	7.2	33.385	8.0	24.0	0.81	1.02
A1	08 Sep 2026	15	18.14	77.73	7.2	33.384	8.0	24.0	0.81	1.02
A1	08 Sep 2026	16	18.02	77.27	7.2	33.387	8.0	24.0	0.79	1.01
A1	08 Sep 2026	17	17.98	75.83	7.2	33.383	8.0	24.0	0.79	1.03
A1	08 Sep 2026	18	17.91	66.21	7.0	33.386	8.0	24.1	0.76	1.05
A1	08 Sep 2026	19	17.83	63.83	6.9	33.383	8.0	24.1	0.76	1.13
A1	08 Sep 2026	20	17.39	58.98	6.7	33.411	8.0	24.2	0.79	1.14
A1	14 Sep 2026	1	22.74	89	6.9	33.49	8.1	22.9	0.66	0.73
A1	14 Sep 2026	2	22.74	89.52	6.9	33.487	8.1	22.9	0.65	0.70
A1	14 Sep 2026	3	22.74	90.47	6.9	33.474	8.1	22.9	0.65	0.68
A1	14 Sep 2026	4	22.69	91.75	6.9	33.49	8.1	22.9	0.67	0.68
A1	14 Sep 2026	5	22.67	92.62	6.9	33.488	8.1	22.9	0.59	0.69
A1	14 Sep 2026	6	22.65	93.02	6.9	33.488	8.1	22.9	0.58	0.66
A1	14 Sep 2026	7	22.67	92.97	6.9	33.487	8.1	22.9	0.56	0.67
A1	14 Sep 2026	8	22.66	92.89	6.9	33.489	8.1	22.9	0.59	0.67
A1	14 Sep 2026	9	22.58	93.05	6.9	33.486	8.1	22.9	0.53	0.67
A1	14 Sep 2026	10	22.53	93.25	6.9	33.485	8.1	22.9	0.52	0.67
A1	14 Sep 2026	11	22.42	93.15	6.9	33.482	8.1	22.9	0.48	0.65
A1	14 Sep 2026	12	22.39	93.43	7.0	33.478	8.1	23.0	0.44	0.66
A1	14 Sep 2026	13	22.38	93.72	7.0	33.478	8.1	23.0	0.43	0.65
A1	14 Sep 2026	14	22.33	93.75	7.0	33.477	8.1	23.0	0.42	0.67
A1	14 Sep 2026	15	22.22	93.39	6.9	33.476	8.1	23.0	0.46	0.67
A1	14 Sep 2026	16	22.18	89.29	6.9	33.469	8.1	23.0	0.79	0.72
A1	14 Sep 2026	17	21.95	82.04	6.7	33.493	8.1	23.1	0.86	0.73
A1	14 Sep 2026	18	19.74	70.56	6.9	33.5	8.1	23.7	0.95	0.86
A1	14 Sep 2026	19	19.36	59.38	7.0	33.452	8.1	23.7	1.18	1.09
A1	22 Sep 2026	1	22.56	94.69	6.7	33.542	8.1	23.0	0.58	0.79
A1	22 Sep 2026	2	22.57	94.31	6.6	33.542	8.1	23.0	0.57	0.72
A1	22 Sep 2026	3	22.58	94.8	6.7	33.542	8.1	22.9	0.57	0.71
A1	22 Sep 2026	4	22.57	94.81	6.6	33.542	8.1	23.0	0.59	0.73
A1	22 Sep 2026	5	22.57	94.82	6.7	33.542	8.1	23.0	0.60	0.73
A1	22 Sep 2026	6	22.57	94.84	6.6	33.542	8.1	23.0	0.62	0.73
A1	22 Sep 2026	7	22.56	94.78	6.6	33.543	8.1	23.0	0.61	0.72

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)	CDOM (ppb)
A1	22 Sep 2026	8	22.44	94.59	6.6	33.542	8.1	23.0	0.64	0.73
A1	22 Sep 2026	9	22.24	94.34	6.7	33.53	8.1	23.0	0.70	0.73
A1	22 Sep 2026	10	22.04	94	6.7	33.526	8.1	23.1	0.75	0.74
A1	22 Sep 2026	11	21.83	93.42	6.7	33.516	8.1	23.1	0.84	0.77
A1	22 Sep 2026	12	21.44	92.75	6.6	33.515	8.1	23.2	0.88	0.78
A1	22 Sep 2026	13	21.09	90.66	6.7	33.497	8.1	23.3	0.91	0.79
A1	22 Sep 2026	14	20.71	84.28	6.8	33.487	8.1	23.4	0.83	0.77
A1	22 Sep 2026	15	20.63	87.21	6.7	33.477	8.1	23.4	0.80	0.76
A1	22 Sep 2026	16	20.22	88.35	6.6	33.488	8.1	23.6	0.78	0.79
A1	22 Sep 2026	17	19.81	79.04	6.5	33.475	8.1	23.6	0.73	0.82
A1	22 Sep 2026	18	19.30	83.41	6.3	33.472	8.1	23.8	0.68	0.84
A1	28 Sep 2026	1	22.07	80.89	6.8	33.55	8.1	23.1	1.11	0.93
A1	28 Sep 2026	2	21.89	81.1	6.8	33.542	8.1	23.1	1.10	0.93
A1	28 Sep 2026	3	21.61	82.42	6.8	33.531	8.1	23.2	1.17	0.89
A1	28 Sep 2026	4	21.42	83.85	6.9	33.515	8.1	23.2	1.09	0.87
A1	28 Sep 2026	5	21.38	84.53	6.9	33.512	8.1	23.3	1.03	0.85
A1	28 Sep 2026	6	21.35	84.38	6.9	33.511	8.1	23.3	1.06	0.86
A1	28 Sep 2026	7	21.31	84.45	6.9	33.511	8.1	23.3	1.02	0.85
A1	28 Sep 2026	8	21.20	84.26	6.9	33.506	8.1	23.3	0.99	0.86
A1	28 Sep 2026	9	21.17	83.27	6.9	33.504	8.1	23.3	1.04	0.85
A1	28 Sep 2026	10	21.11	83.13	6.9	33.503	8.1	23.3	1.03	0.86
A1	28 Sep 2026	11	21.11	83	6.9	33.503	8.1	23.3	1.02	0.86
A1	28 Sep 2026	12	20.99	83.57	6.9	33.5	8.1	23.4	1.01	0.85
A1	28 Sep 2026	13	20.91	84.11	6.9	33.494	8.1	23.4	0.94	0.84
A1	28 Sep 2026	14	20.93	85.2	7.0	33.493	8.1	23.4	0.95	0.84
A1	28 Sep 2026	15	20.86	85.45	6.9	33.493	8.1	23.4	0.99	0.87
A1	28 Sep 2026	16	20.72	85.7	6.9	33.488	8.1	23.4	0.92	0.85
A1	28 Sep 2026	17	20.64	77.37	6.9	33.484	8.1	23.4	0.89	0.83
A1	28 Sep 2026	18	20.31	80.15	6.8	33.479	8.1	23.5	0.75	0.84
A1	28 Sep 2026	19	20.05	84.5	6.7	33.476	8.1	23.6	0.69	0.87
A1	28 Sep 2026	20	19.34	82.07	6.7	33.494	8.1	23.8	0.68	0.91
C4	01 Sep 2026	1	22.47	93.42	7.2	33.355	8.1	22.8	0.34	0.69
C4	01 Sep 2026	2	22.43	93.45	7.2	33.359	8.1	22.9	0.34	0.70
C4	01 Sep 2026	3	21.87	93.59	7.2	33.379	8.1	23.0	0.39	0.71
C4	01 Sep 2026	4	21.00	91.59	7.3	33.355	8.1	23.2	0.52	0.75
C4	01 Sep 2026	5	20.85	87.98	7.3	33.336	8.1	23.3	0.66	0.80
C4	01 Sep 2026	6	20.72	85.84	7.3	33.333	8.1	23.3	0.71	0.82
C4	01 Sep 2026	7	20.47	85.43	7.3	33.339	8.1	23.4	0.72	0.85
C4	01 Sep 2026	8	20.31	84.47	7.3	33.328	8.1	23.4	0.71	0.88
C4	01 Sep 2026	9	20.21	82.23	7.3	33.331	8.1	23.4	0.71	0.88
C4	01 Sep 2026	10	20.00	80.76	7.2	33.33	8.1	23.5	0.62	0.92
C4	01 Sep 2026	11	19.84	72.19	7.1	33.328	8.1	23.5	0.56	1.03
C4	01 Sep 2026	12	19.79	64.29	7.1	33.324	8.1	23.5	0.57	1.13
C4	08 Sep 2026	1	20.56	69.48	6.9	33.396	8.0	23.4	0.66	1.04
C4	08 Sep 2026	2	20.54	69.47	6.9	33.403	8.0	23.4	0.67	1.04
C4	08 Sep 2026	3	20.44	70.7	6.9	33.406	8.0	23.4	0.80	0.98
C4	08 Sep 2026	4	19.89	73.97	6.9	33.469	8.1	23.6	1.00	0.98
C4	08 Sep 2026	5	19.20	76.06	7.1	33.42	8.1	23.8	0.95	1.01
C4	08 Sep 2026	6	19.03	76.47	7.1	33.39	8.1	23.8	0.87	1.02
C4	08 Sep 2026	7	18.96	75.85	7.0	33.385	8.1	23.8	0.85	1.02
C4	08 Sep 2026	8	18.92	67.27	7.0	33.38	8.1	23.8	0.81	1.08
C4	08 Sep 2026	9	18.83	65.75	6.8	33.392	8.0	23.8	0.82	1.07
C4	08 Sep 2026	10	18.50	65.45	6.5	33.401	8.0	23.9	0.82	1.09
C4	08 Sep 2026	11	18.33	55.26	6.1	33.384	8.0	24.0	0.81	1.25
C4	14 Sep 2026	1	22.81	87.62	6.8	33.484	8.1	22.8	0.42	0.72
C4	14 Sep 2026	2	22.79	87.37	6.8	33.485	8.1	22.8	0.42	0.71
C4	14 Sep 2026	3	22.76	87.47	6.8	33.484	8.1	22.9	0.50	0.74
C4	14 Sep 2026	4	22.73	87.11	6.8	33.484	8.1	22.9	0.61	0.74
C4	14 Sep 2026	5	22.70	86.82	6.8	33.482	8.1	22.9	0.68	0.74
C4	14 Sep 2026	6	22.67	86.14	6.7	33.482	8.1	22.9	0.74	0.74
C4	14 Sep 2026	7	22.64	85.25	6.7	33.482	8.1	22.9	0.74	0.76
C4	14 Sep 2026	8	22.57	84.53	6.7	33.485	8.1	22.9	0.73	0.76
C4	14 Sep 2026	9	22.36	84.06	6.7	33.484	8.1	23.0	0.67	0.75
C4	14 Sep 2026	10	22.25	80.21	6.6	33.476	8.1	23.0	0.59	0.82
C4	14 Sep 2026	11	22.19	70.12	6.6	33.473	8.1	23.0	0.56	0.93
C4	22 Sep 2026	1	22.96	89.82	6.3	33.561	8.1	22.9	0.58	0.81
C4	22 Sep 2026	2	22.95	89.71	6.2	33.56	8.1	22.9	0.58	0.81
C4	22 Sep 2026	3	22.93	89.7	6.2	33.56	8.1	22.9	0.65	0.82
C4	22 Sep 2026	4	22.89	89.36	6.2	33.557	8.1	22.9	0.72	0.85

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)	CDOM (ppb)
C4	22 Sep 2026	5	22.70	89.25	6.3	33.56	8.1	22.9	0.81	0.84
C4	22 Sep 2026	6	22.11	89.01	6.4	33.535	8.1	23.1	1.12	0.85
C4	22 Sep 2026	7	21.83	89	6.5	33.517	8.1	23.1	1.20	0.84
C4	22 Sep 2026	8	21.72	88.84	6.3	33.51	8.1	23.2	1.09	0.85
C4	22 Sep 2026	9	21.37	87.02	5.5	33.502	8.1	23.3	0.97	0.92
C4	22 Sep 2026	10	21.30	79.52	5.2	33.494	8.0	23.3	0.67	1.07
C4	22 Sep 2026	11	21.27	67.86	5.0	33.492	8.0	23.3	0.67	1.15
C4	22 Sep 2026	12	21.30	60.91	5.1	33.489	8.0	23.3	0.67	1.17
C4	28 Sep 2026	1	22.12	90.31	6.9	33.535	8.1	23.1	0.49	0.77
C4	28 Sep 2026	2	22.04	89.03	6.9	33.54	8.1	23.1	0.49	0.77
C4	28 Sep 2026	3	21.70	89.3	6.9	33.531	8.1	23.2	0.54	0.79
C4	28 Sep 2026	4	21.58	86	6.8	33.522	8.1	23.2	0.63	0.82
C4	28 Sep 2026	5	21.31	81.62	6.7	33.51	8.1	23.3	0.75	0.88
C4	28 Sep 2026	6	21.13	74.08	6.6	33.504	8.1	23.3	0.88	0.94
C4	28 Sep 2026	7	20.98	70.96	6.7	33.494	8.1	23.4	0.97	0.95
C4	28 Sep 2026	8	20.89	71.13	6.7	33.491	8.1	23.4	0.94	0.94
C4	28 Sep 2026	9	20.72	71.41	6.7	33.487	8.1	23.4	0.86	0.93
C4	28 Sep 2026	10	20.79	73.85	6.7	33.484	8.1	23.4	0.81	0.94
C4	28 Sep 2026	11	20.50	73.08	6.5	33.482	8.1	23.5	0.81	0.96
C4	28 Sep 2026	12	20.46	59.81	6.4	33.474	8.1	23.5	0.79	1.23
A7	01 Sep 2026	1	21.19	89.99	7.5	33.342	8.1	23.2	0.66	0.91
A7	01 Sep 2026	2	21.06	89.96	7.5	33.35	8.1	23.2	0.68	0.84
A7	01 Sep 2026	3	20.67	89.84	7.4	33.35	8.1	23.3	0.65	0.80
A7	01 Sep 2026	4	20.35	89.85	7.4	33.34	8.1	23.4	0.63	0.79
A7	01 Sep 2026	5	20.08	89.42	7.3	33.336	8.1	23.5	0.68	0.84
A7	01 Sep 2026	6	19.34	87.92	7.4	33.353	8.1	23.7	0.63	0.85
A7	01 Sep 2026	7	19.02	86.97	7.5	33.329	8.1	23.7	0.80	0.84
A7	01 Sep 2026	8	19.11	87.7	7.6	33.315	8.1	23.7	0.87	0.83
A7	01 Sep 2026	9	18.93	87.72	7.4	33.326	8.1	23.8	0.86	0.85
A7	01 Sep 2026	10	18.85	87.39	7.4	33.325	8.1	23.8	0.82	0.84
A7	01 Sep 2026	11	18.80	87.5	7.3	33.326	8.1	23.8	0.74	0.85
A7	01 Sep 2026	12	18.78	87.76	7.2	33.326	8.1	23.8	0.68	0.85
A7	01 Sep 2026	13	18.71	87.76	7.1	33.327	8.1	23.8	0.66	0.86
A7	01 Sep 2026	14	18.09	87.24	7.0	33.368	8.1	24.0	0.61	0.89
A7	01 Sep 2026	15	16.97	87.31	7.0	33.396	8.1	24.3	0.56	0.89
A7	01 Sep 2026	16	16.39	88.28	7.2	33.332	8.0	24.4	1.02	0.85
A7	01 Sep 2026	17	16.10	88.49	7.2	33.366	8.0	24.5	1.06	0.86
A7	01 Sep 2026	18	16.03	88.25	7.2	33.344	8.0	24.5	1.14	0.86
A7	01 Sep 2026	19	16.10	87.99	7.1	33.345	8.0	24.5	1.20	0.86
A7	08 Sep 2026	1	20.45	86.03	7.2	33.387	8.1	23.4	0.67	0.79
A7	08 Sep 2026	2	20.43	89.18	7.2	33.389	8.1	23.4	0.67	0.80
A7	08 Sep 2026	3	20.21	89.65	7.2	33.401	8.1	23.5	0.71	0.81
A7	08 Sep 2026	4	19.94	89.82	7.3	33.388	8.1	23.5	0.88	0.82
A7	08 Sep 2026	5	19.93	90.48	7.4	33.381	8.1	23.5	0.96	0.81
A7	08 Sep 2026	6	19.93	90.98	7.4	33.38	8.1	23.5	0.98	0.81
A7	08 Sep 2026	7	19.94	90.95	7.3	33.38	8.1	23.5	0.98	0.82
A7	08 Sep 2026	8	19.93	91.03	7.3	33.381	8.1	23.5	0.94	0.83
A7	08 Sep 2026	9	19.93	91.09	7.4	33.38	8.1	23.5	0.93	0.83
A7	08 Sep 2026	10	19.91	91.14	7.3	33.383	8.1	23.6	0.94	0.82
A7	08 Sep 2026	11	19.69	91.17	7.4	33.39	8.1	23.6	0.89	0.82
A7	08 Sep 2026	12	19.56	91.22	7.4	33.384	8.1	23.6	0.80	0.85
A7	08 Sep 2026	13	19.52	91.17	7.4	33.379	8.1	23.6	0.83	0.85
A7	08 Sep 2026	14	19.39	91.04	7.4	33.387	8.1	23.7	0.87	0.86
A7	08 Sep 2026	15	19.12	90.92	7.4	33.386	8.1	23.8	0.95	0.85
A7	08 Sep 2026	16	18.91	90.77	7.2	33.397	8.1	23.8	0.98	0.86
A7	08 Sep 2026	17	18.37	90.28	7.2	33.395	8.1	24.0	1.00	0.89
A7	08 Sep 2026	18	18.13	89.81	7.1	33.396	8.1	24.0	0.98	0.89
A7	08 Sep 2026	19	17.64	89.43	7.0	33.396	8.0	24.1	0.89	0.91
A7	14 Sep 2026	1	22.79	88.91	7.0	33.472	8.1	22.8	1.25	0.75
A7	14 Sep 2026	2	22.79	88.99	7.0	33.472	8.1	22.8	1.29	0.75
A7	14 Sep 2026	3	22.79	89.08	7.0	33.472	8.1	22.8	1.34	0.75
A7	14 Sep 2026	4	22.75	88.99	7.0	33.473	8.1	22.8	1.31	0.74
A7	14 Sep 2026	5	22.73	89.14	6.9	33.472	8.1	22.9	1.03	0.75
A7	14 Sep 2026	6	22.53	89.7	6.8	33.474	8.1	22.9	1.06	0.76
A7	14 Sep 2026	7	22.49	90.87	6.8	33.465	8.1	22.9	0.99	0.76
A7	14 Sep 2026	8	22.42	90.7	6.8	33.464	8.1	22.9	1.03	0.76
A7	14 Sep 2026	9	22.39	90.05	6.7	33.46	8.1	22.9	1.09	0.78
A7	14 Sep 2026	10	22.34	89.98	6.7	33.459	8.1	23.0	1.07	0.81
A7	14 Sep 2026	11	22.34	89.89	6.7	33.457	8.1	23.0	1.00	0.81
A7	14 Sep 2026	12	22.32	89.68	6.7	33.458	8.1	23.0	1.04	0.79

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)	CDOM (ppb)
A7	14 Sep 2026	13	22.31	89.43	6.7	33.457	8.1	23.0	0.96	0.79
A7	14 Sep 2026	14	22.29	89.56	6.6	33.458	8.1	23.0	0.98	0.80
A7	14 Sep 2026	15	22.22	89.38	6.6	33.459	8.1	23.0	0.92	0.80
A7	14 Sep 2026	16	22.14	88.93	6.6	33.452	8.1	23.0	0.84	0.82
A7	14 Sep 2026	17	21.94	88.59	6.4	33.459	8.1	23.1	0.83	0.84
A7	14 Sep 2026	18	20.75	88.14	6.6	33.492	8.1	23.4	0.79	0.85
A7	22 Sep 2026	1	22.85	83.65	6.8	33.548	8.2	22.9	0.43	0.81
A7	22 Sep 2026	2	22.85	91.59	6.8	33.552	8.2	22.9	0.42	0.82
A7	22 Sep 2026	3	22.85	93.22	6.8	33.555	8.2	22.9	0.42	0.75
A7	22 Sep 2026	4	22.83	94.19	6.8	33.553	8.2	22.9	0.43	0.72
A7	22 Sep 2026	5	22.80	94.46	6.8	33.549	8.2	22.9	0.43	0.71
A7	22 Sep 2026	6	22.76	94.69	6.8	33.544	8.2	22.9	0.45	0.70
A7	22 Sep 2026	7	22.70	94.93	6.9	33.537	8.2	22.9	0.44	0.67
A7	22 Sep 2026	8	22.68	95.37	6.9	33.534	8.2	22.9	0.44	0.65
A7	22 Sep 2026	9	22.42	95.34	7.0	33.521	8.2	23.0	0.47	0.66
A7	22 Sep 2026	10	21.62	95.08	7.0	33.54	8.2	23.2	0.50	0.67
A7	22 Sep 2026	11	20.90	94.22	7.2	33.465	8.2	23.4	0.85	0.70
A7	22 Sep 2026	12	20.39	93.44	7.2	33.468	8.2	23.5	0.96	0.70
A7	22 Sep 2026	13	20.26	93.28	7.2	33.449	8.2	23.5	1.05	0.74
A7	22 Sep 2026	14	20.02	93.48	7.0	33.461	8.1	23.6	1.02	0.73
A7	22 Sep 2026	15	19.97	93.7	6.9	33.459	8.1	23.6	0.84	0.75
A7	22 Sep 2026	16	19.76	94.05	6.7	33.463	8.1	23.7	0.73	0.76
A7	22 Sep 2026	17	19.75	94.12	6.6	33.465	8.1	23.7	0.62	0.78
A7	22 Sep 2026	18	19.59	93.57	6.5	33.47	8.1	23.7	0.58	0.80
A7	22 Sep 2026	19	19.41	91.84	6.4	33.472	8.1	23.7	0.56	0.83
A7	22 Sep 2026	20	19.37	90.78	6.4	33.464	8.1	23.8	0.54	0.84
A7	28 Sep 2026	1	21.84	88.04	6.8	33.532	8.1	23.1	0.75	0.81
A7	28 Sep 2026	2	21.82	88	6.7	33.53	8.1	23.2	0.78	0.82
A7	28 Sep 2026	3	21.81	87.9	6.7	33.529	8.1	23.2	0.84	0.83
A7	28 Sep 2026	4	21.81	87.84	6.7	33.528	8.1	23.2	0.84	0.82
A7	28 Sep 2026	5	21.81	87.99	6.7	33.528	8.1	23.2	0.88	0.82
A7	28 Sep 2026	6	21.80	88.08	6.7	33.529	8.1	23.2	0.84	0.82
A7	28 Sep 2026	7	21.69	88.2	6.6	33.523	8.1	23.2	0.84	0.84
A7	28 Sep 2026	8	21.52	88.42	6.4	33.522	8.1	23.2	0.81	0.86
A7	28 Sep 2026	9	21.10	88.68	6.4	33.508	8.1	23.3	0.69	0.85
A7	28 Sep 2026	10	20.93	88.45	6.6	33.496	8.1	23.4	0.69	0.84
A7	28 Sep 2026	11	20.78	87.85	6.7	33.489	8.1	23.4	0.73	0.86
A7	28 Sep 2026	12	20.77	86.72	6.7	33.483	8.1	23.4	0.72	0.84
A7	28 Sep 2026	13	20.75	86.66	6.8	33.489	8.1	23.4	0.75	0.85
A7	28 Sep 2026	14	20.63	86.26	6.7	33.485	8.1	23.4	0.74	0.84
A7	28 Sep 2026	15	20.22	86.27	6.8	33.48	8.1	23.5	0.71	0.84
A7	28 Sep 2026	16	20.16	86.58	6.8	33.472	8.1	23.6	0.68	0.84
A7	28 Sep 2026	17	20.05	86.73	6.7	33.474	8.1	23.6	0.68	0.85
A7	28 Sep 2026	18	20.00	86.39	6.7	33.471	8.1	23.6	0.68	0.86
A7	28 Sep 2026	19	20.02	86.24	6.6	33.471	8.1	23.6	0.68	0.85
A7	28 Sep 2026	20	19.94	86.29	6.6	33.477	8.1	23.6	0.67	0.86
C5	01 Sep 2026	1	21.22	82.52	7.0	33.347	8.1	23.2	0.39	0.88
C5	01 Sep 2026	2	21.19	82.54	6.9	33.349	8.1	23.2	0.39	0.88
C5	01 Sep 2026	3	21.04	82.33	7.0	33.345	8.1	23.2	0.42	0.89
C5	01 Sep 2026	4	20.92	82.23	7.0	33.353	8.1	23.3	0.46	0.88
C5	01 Sep 2026	5	20.70	81.69	7.0	33.338	8.1	23.3	0.48	0.87
C5	01 Sep 2026	6	20.66	81.61	7.0	33.338	8.1	23.3	0.47	0.89
C5	01 Sep 2026	7	20.64	81.13	7.0	33.335	8.1	23.3	0.50	0.88
C5	01 Sep 2026	8	20.64	80.95	7.0	33.336	8.1	23.3	0.48	0.90
C5	01 Sep 2026	9	20.63	80.82	7.0	33.336	8.1	23.3	0.48	0.90
C5	01 Sep 2026	10	20.54	75.58	6.8	33.339	8.1	23.4	0.49	0.92
C5	01 Sep 2026	11	19.84	62.04	6.4	33.439	8.0	23.6	0.57	1.04
C5	08 Sep 2026	1	20.51	62.1	6.8	33.384	8.0	23.4	0.64	1.13
C5	08 Sep 2026	2	20.46	61.66	6.8	33.388	8.0	23.4	0.66	1.13
C5	08 Sep 2026	3	19.93	65.13	7.0	33.41	8.0	23.6	0.84	1.07
C5	08 Sep 2026	4	19.09	75.57	7.1	33.411	8.1	23.8	0.96	0.96
C5	08 Sep 2026	5	18.71	86.83	7.2	33.372	8.1	23.9	0.99	0.91
C5	08 Sep 2026	6	18.56	89.05	7.1	33.387	8.1	23.9	0.96	0.92
C5	08 Sep 2026	7	18.47	89.22	7.1	33.381	8.1	23.9	0.91	0.92
C5	08 Sep 2026	8	18.30	89.12	6.8	33.39	8.0	24.0	0.85	0.92
C5	08 Sep 2026	9	17.94	82.55	6.5	33.389	8.0	24.1	0.63	1.00
C5	08 Sep 2026	10	17.78	72.35	6.5	33.384	8.0	24.1	0.62	1.04
C5	08 Sep 2026	11	17.76	53.79	6.4	33.381	8.0	24.1	0.70	1.16
C5	14 Sep 2026	1	22.55	83.94	6.6	33.483	8.1	22.9	0.38	0.81

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)	CDOM (ppb)
C5	14 Sep 2026	2	22.55	83.62	6.6	33.484	8.1	22.9	0.37	0.76
C5	14 Sep 2026	3	22.54	83.76	6.7	33.484	8.1	22.9	0.38	0.77
C5	14 Sep 2026	4	22.52	83.9	6.6	33.484	8.1	22.9	0.48	0.81
C5	14 Sep 2026	5	22.50	83.34	6.6	33.482	8.1	22.9	0.56	0.78
C5	14 Sep 2026	6	22.47	81.82	6.5	33.483	8.1	22.9	0.60	0.81
C5	14 Sep 2026	7	22.45	79.46	6.5	33.48	8.1	22.9	0.58	0.82
C5	14 Sep 2026	8	22.41	78.62	6.4	33.482	8.1	22.9	0.56	0.83
C5	14 Sep 2026	9	22.25	76.58	6.2	33.476	8.1	23.0	0.59	0.87
C5	14 Sep 2026	10	21.90	72.6	5.8	33.48	8.0	23.1	0.55	0.90
C5	14 Sep 2026	11	21.32	65.01	5.7	33.456	8.0	23.2	0.63	1.06
C5	22 Sep 2026	1	22.99	88.6	6.2	33.558	8.1	22.8	0.66	0.89
C5	22 Sep 2026	2	22.99	88.61	6.2	33.559	8.1	22.8	0.65	0.89
C5	22 Sep 2026	3	22.99	88.78	6.2	33.559	8.1	22.8	0.71	0.86
C5	22 Sep 2026	4	22.99	88.96	6.2	33.559	8.1	22.8	0.76	0.85
C5	22 Sep 2026	5	22.99	89.68	6.2	33.56	8.1	22.8	0.75	0.85
C5	22 Sep 2026	6	22.98	89.96	6.2	33.56	8.1	22.8	0.68	0.84
C5	22 Sep 2026	7	22.94	90.8	6.1	33.557	8.1	22.9	0.59	0.80
C5	22 Sep 2026	8	22.65	87.84	5.5	33.554	8.1	22.9	0.60	0.85
C5	22 Sep 2026	9	22.40	82.94	5.3	33.525	8.1	23.0	0.55	0.98
C5	22 Sep 2026	10	22.35	76.63	5.2	33.525	8.1	23.0	0.58	1.01
C5	28 Sep 2026	1	22.03	62.36	6.0	33.527	8.0	23.1	0.63	1.11
C5	28 Sep 2026	2	21.83	63.65	6.0	33.527	8.0	23.1	0.65	1.08
C5	28 Sep 2026	3	21.51	66.85	6.3	33.523	8.1	23.2	0.74	1.01
C5	28 Sep 2026	4	21.49	73.94	6.4	33.505	8.1	23.2	0.81	0.91
C5	28 Sep 2026	5	21.32	81.82	6.5	33.514	8.1	23.3	0.80	0.91
C5	28 Sep 2026	6	21.16	84.53	6.5	33.503	8.1	23.3	0.78	0.85
C5	28 Sep 2026	7	21.07	85.75	6.5	33.501	8.1	23.3	0.72	0.84
C5	28 Sep 2026	8	21.03	86.45	6.5	33.497	8.1	23.3	0.67	0.86
C5	28 Sep 2026	9	21.00	86.85	6.4	33.498	8.1	23.4	0.66	0.84
C5	28 Sep 2026	10	20.96	86.78	6.2	33.498	8.1	23.4	0.61	0.86
C5	28 Sep 2026	11	20.86	85.15	5.8	33.5	8.0	23.4	0.57	0.94
A6	01 Sep 2026	1	21.62	87.28	7.2	33.345	8.1	23.1	0.88	0.81
A6	01 Sep 2026	2	21.62	87.44	7.2	33.344	8.1	23.1	0.89	0.82
A6	01 Sep 2026	3	21.61	87.47	7.2	33.344	8.1	23.1	0.91	0.83
A6	01 Sep 2026	4	21.60	87.35	7.2	33.344	8.1	23.1	0.91	0.82
A6	01 Sep 2026	5	21.59	87.39	7.2	33.345	8.1	23.1	0.92	0.81
A6	01 Sep 2026	6	21.53	87.65	7.2	33.345	8.1	23.1	0.89	0.83
A6	01 Sep 2026	7	21.52	88.04	7.2	33.343	8.1	23.1	0.84	0.83
A6	01 Sep 2026	8	21.49	88.07	7.2	33.345	8.1	23.1	0.83	0.82
A6	01 Sep 2026	9	21.41	88.01	7.3	33.344	8.1	23.1	0.82	0.81
A6	01 Sep 2026	10	21.32	88.25	7.2	33.344	8.1	23.1	0.80	0.82
A6	01 Sep 2026	11	20.75	88.34	7.1	33.366	8.1	23.3	0.78	0.83
A6	01 Sep 2026	12	19.94	88.56	7.1	33.347	8.1	23.5	0.77	0.83
A6	01 Sep 2026	13	19.88	88.68	7.0	33.381	8.1	23.6	1.12	0.84
A6	01 Sep 2026	14	19.82	88.77	7.3	33.357	8.1	23.6	1.07	0.84
A6	01 Sep 2026	15	19.83	88.93	7.3	33.328	8.1	23.5	0.82	0.85
A6	01 Sep 2026	16	19.82	88.88	7.2	33.33	8.1	23.5	0.71	0.84
A6	01 Sep 2026	17	19.35	87.65	7.1	33.347	8.1	23.7	0.68	0.83
A6	01 Sep 2026	18	18.69	87.12	7.2	33.366	8.1	23.9	0.63	0.86
A6	08 Sep 2026	1	20.43	87.37	7.3	33.391	8.1	23.4	0.77	0.80
A6	08 Sep 2026	2	20.23	86.64	7.3	33.396	8.1	23.5	0.78	0.80
A6	08 Sep 2026	3	19.72	87.77	7.4	33.403	8.1	23.6	0.83	0.83
A6	08 Sep 2026	4	19.48	89.08	7.6	33.381	8.1	23.7	0.86	0.79
A6	08 Sep 2026	5	19.44	90.78	7.5	33.377	8.1	23.7	0.87	0.83
A6	08 Sep 2026	6	19.41	91.5	7.6	33.375	8.1	23.7	0.92	0.83
A6	08 Sep 2026	7	19.37	92.23	7.5	33.375	8.1	23.7	0.94	0.82
A6	08 Sep 2026	8	19.32	92.47	7.5	33.375	8.1	23.7	0.90	0.82
A6	08 Sep 2026	9	19.26	92.73	7.5	33.376	8.1	23.7	0.92	0.85
A6	08 Sep 2026	10	19.19	92.53	7.5	33.378	8.1	23.7	0.89	0.84
A6	08 Sep 2026	11	19.15	92.41	7.4	33.375	8.1	23.7	0.87	0.84
A6	08 Sep 2026	12	19.09	92.04	7.5	33.378	8.1	23.8	0.81	0.86
A6	08 Sep 2026	13	18.98	91.93	7.5	33.38	8.1	23.8	0.89	0.88
A6	08 Sep 2026	14	18.89	91.79	7.5	33.379	8.1	23.8	1.07	0.88
A6	08 Sep 2026	15	18.78	91.29	7.5	33.378	8.1	23.8	1.22	0.88
A6	08 Sep 2026	16	18.71	91.37	7.3	33.381	8.1	23.9	1.28	0.86
A6	08 Sep 2026	17	17.95	91.01	7.2	33.4	8.1	24.1	1.21	0.86
A6	08 Sep 2026	18	17.77	90.72	7.1	33.387	8.1	24.1	0.89	0.89
A6	14 Sep 2026	1	22.79	89.42	7.0	33.474	8.1	22.8	0.91	0.71
A6	14 Sep 2026	2	22.79	89.35	7.0	33.474	8.1	22.8	0.90	0.70

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)	CDOM (ppb)
A6	14 Sep 2026	3	22.79	89.68	6.9	33.474	8.1	22.8	0.93	0.71
A6	14 Sep 2026	4	22.79	89.71	7.0	33.474	8.1	22.8	0.96	0.72
A6	14 Sep 2026	5	22.79	89.68	7.0	33.474	8.1	22.8	0.97	0.69
A6	14 Sep 2026	6	22.79	89.61	6.9	33.474	8.1	22.8	1.01	0.70
A6	14 Sep 2026	7	22.79	89.51	7.0	33.474	8.1	22.8	1.00	0.71
A6	14 Sep 2026	8	22.79	89.49	7.0	33.474	8.1	22.8	1.04	0.73
A6	14 Sep 2026	9	22.77	89.39	6.9	33.474	8.1	22.8	1.00	0.74
A6	14 Sep 2026	10	22.76	89.36	6.9	33.473	8.1	22.8	0.98	0.72
A6	14 Sep 2026	11	22.73	89.35	6.9	33.474	8.1	22.9	0.97	0.72
A6	14 Sep 2026	12	22.74	89.36	6.9	33.471	8.1	22.8	0.97	0.72
A6	14 Sep 2026	13	22.66	89.34	6.8	33.474	8.1	22.9	1.02	0.71
A6	14 Sep 2026	14	22.50	89.16	6.8	33.472	8.1	22.9	1.00	0.74
A6	14 Sep 2026	15	22.42	88.8	6.8	33.465	8.1	22.9	1.00	0.76
A6	14 Sep 2026	16	21.87	88.81	6.7	33.483	8.1	23.1	0.97	0.75
A6	14 Sep 2026	17	20.85	89.01	6.8	33.481	8.1	23.4	0.81	0.77
A6	14 Sep 2026	18	20.31	89.22	7.0	33.428	8.1	23.5	0.68	0.78
A6	14 Sep 2026	19	21.11	88.14	6.8	33.451	8.1	23.3	0.70	0.79
A6	22 Sep 2026	1	22.82	96.1	6.8	33.55	8.2	22.9	0.30	0.69
A6	22 Sep 2026	2	22.82	94.77	6.8	33.55	8.2	22.9	0.30	0.69
A6	22 Sep 2026	3	22.83	93.08	6.8	33.55	8.2	22.9	0.32	0.70
A6	22 Sep 2026	4	22.82	96.26	6.8	33.55	8.2	22.9	0.32	0.69
A6	22 Sep 2026	5	22.81	96.38	6.8	33.549	8.2	22.9	0.32	0.70
A6	22 Sep 2026	6	22.75	96.24	6.8	33.546	8.2	22.9	0.31	0.69
A6	22 Sep 2026	7	22.69	96.06	6.8	33.544	8.2	22.9	0.33	0.70
A6	22 Sep 2026	8	22.49	95.96	6.6	33.538	8.2	23.0	0.35	0.73
A6	22 Sep 2026	9	22.29	94.98	6.5	33.526	8.1	23.0	0.38	0.75
A6	22 Sep 2026	10	21.88	94.16	6.4	33.517	8.1	23.1	0.36	0.76
A6	22 Sep 2026	11	21.62	94.1	6.4	33.513	8.1	23.2	0.36	0.81
A6	22 Sep 2026	12	21.30	94.4	6.6	33.489	8.1	23.3	0.41	0.80
A6	22 Sep 2026	13	20.95	94.37	6.5	33.5	8.1	23.4	0.42	0.78
A6	22 Sep 2026	14	20.49	94.08	6.4	33.488	8.1	23.5	0.41	0.82
A6	22 Sep 2026	15	20.45	93.65	6.3	33.478	8.1	23.5	0.39	0.82
A6	22 Sep 2026	16	20.17	93.21	6.3	33.471	8.1	23.6	0.38	0.85
A6	22 Sep 2026	17	19.82	92.71	6.2	33.479	8.1	23.6	0.39	0.86
A6	22 Sep 2026	18	19.77	91.99	6.2	33.455	8.1	23.6	0.50	0.85
A6	28 Sep 2026	1	21.90	93.27	6.9	33.532	8.1	23.1	0.47	0.71
A6	28 Sep 2026	2	21.91	93.18	6.9	33.531	8.1	23.1	0.48	0.71
A6	28 Sep 2026	3	21.85	92.97	6.9	33.531	8.1	23.1	0.52	0.73
A6	28 Sep 2026	4	21.78	92.86	6.9	33.525	8.1	23.2	0.61	0.74
A6	28 Sep 2026	5	21.75	92.32	6.9	33.522	8.1	23.2	0.70	0.78
A6	28 Sep 2026	6	21.70	91.14	6.8	33.521	8.1	23.2	0.80	0.78
A6	28 Sep 2026	7	21.50	90.02	6.9	33.518	8.1	23.2	0.87	0.80
A6	28 Sep 2026	8	21.38	89.96	6.9	33.51	8.1	23.3	0.84	0.79
A6	28 Sep 2026	9	21.29	90.28	6.9	33.506	8.1	23.3	0.80	0.79
A6	28 Sep 2026	10	21.07	91.17	6.9	33.503	8.1	23.3	0.75	0.78
A6	28 Sep 2026	11	20.90	91.92	6.9	33.493	8.1	23.4	0.72	0.76
A6	28 Sep 2026	12	20.66	92	7.0	33.487	8.1	23.4	0.69	0.74
A6	28 Sep 2026	13	20.56	92.19	7.0	33.481	8.1	23.5	0.63	0.74
A6	28 Sep 2026	14	20.50	92.6	7.0	33.477	8.1	23.5	0.64	0.74
A6	28 Sep 2026	15	20.44	92.8	7.0	33.477	8.1	23.5	0.63	0.75
A6	28 Sep 2026	16	20.40	92.72	6.9	33.477	8.1	23.5	0.62	0.77
A6	28 Sep 2026	17	20.38	92.57	6.8	33.477	8.1	23.5	0.63	0.78
A6	28 Sep 2026	18	20.36	92.07	6.9	33.479	8.1	23.5	0.65	0.77
A6	28 Sep 2026	19	20.32	91.73	6.8	33.482	8.1	23.5	0.64	0.77
C6	01 Sep 2026	1	21.86	82.13	6.8	33.35	8.1	23.0	0.72	0.93
C6	01 Sep 2026	2	21.81	75.25	6.8	33.354	8.1	23.0	0.72	0.91
C6	01 Sep 2026	3	21.79	80.14	6.8	33.35	8.1	23.0	0.75	0.94
C6	01 Sep 2026	4	21.26	81.28	6.8	33.368	8.1	23.2	0.75	0.95
C6	01 Sep 2026	5	21.01	81.52	6.9	33.343	8.1	23.2	0.67	0.92
C6	01 Sep 2026	6	21.02	82.67	7.0	33.338	8.1	23.2	0.64	0.91
C6	01 Sep 2026	7	20.59	84.43	7.0	33.355	8.1	23.4	0.63	0.91
C6	01 Sep 2026	8	20.12	85.49	6.8	33.35	8.1	23.5	0.60	0.87
C6	01 Sep 2026	9	19.10	81.83	6.7	33.364	8.0	23.7	0.45	0.94
C6	01 Sep 2026	10	19.11	73.98	6.8	33.253	8.0	23.7	0.40	1.01
C6	08 Sep 2026	1	20.06	83.68	7.2	33.369	8.1	23.5	0.84	0.89
C6	08 Sep 2026	2	20.33	83.61	7.2	33.382	8.1	23.4	0.80	0.89
C6	08 Sep 2026	3	19.70	83.05	7.2	33.421	8.1	23.6	0.81	0.90
C6	08 Sep 2026	4	19.35	84.61	7.2	33.381	8.1	23.7	0.91	0.91
C6	08 Sep 2026	5	18.92	85.85	7.3	33.406	8.1	23.8	0.99	0.90
C6	08 Sep 2026	6	18.73	87	7.5	33.38	8.1	23.9	1.27	0.88

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)	CDOM (ppb)
C6	08 Sep 2026	7	18.57	87.8	7.5	33.383	8.1	23.9	1.36	0.88
C6	08 Sep 2026	8	18.27	88.32	7.3	33.383	8.1	24.0	1.51	0.87
C6	08 Sep 2026	9	18.02	87.03	7.0	33.389	8.0	24.0	1.26	0.91
C6	14 Sep 2026	1	22.83	83.38	6.8	33.473	8.1	22.8	0.74	0.87
C6	14 Sep 2026	2	22.83	83.24	6.7	33.473	8.1	22.8	0.74	0.85
C6	14 Sep 2026	3	22.83	82.43	6.8	33.472	8.1	22.8	0.84	0.83
C6	14 Sep 2026	4	22.83	83.04	6.7	33.473	8.1	22.8	0.92	0.84
C6	14 Sep 2026	5	22.83	83.22	6.7	33.472	8.1	22.8	0.94	0.85
C6	14 Sep 2026	6	22.83	83.31	6.7	33.471	8.1	22.8	0.96	0.84
C6	14 Sep 2026	7	22.80	83.75	6.5	33.472	8.1	22.8	0.97	0.85
C6	14 Sep 2026	8	22.71	83.31	6.3	33.47	8.0	22.9	0.92	0.87
C6	14 Sep 2026	9	22.23	78.8	6.2	33.469	8.0	23.0	0.80	0.96
C6	14 Sep 2026	10	21.68	66.01	6.3	33.5	8.0	23.2	0.73	0.99
C6	22 Sep 2026	1	23.16	76.43	5.9	33.568	8.1	22.8	0.84	1.04
C6	22 Sep 2026	2	23.17	76.19	5.9	33.567	8.1	22.8	0.85	1.06
C6	22 Sep 2026	3	23.16	76.2	5.9	33.568	8.1	22.8	0.89	1.08
C6	22 Sep 2026	4	23.14	76.49	5.9	33.567	8.1	22.8	0.85	1.05
C6	22 Sep 2026	5	22.63	77.98	6.0	33.553	8.1	22.9	0.75	1.03
C6	22 Sep 2026	6	22.42	84.62	6.1	33.527	8.1	23.0	0.54	0.92
C6	22 Sep 2026	7	22.27	89.07	5.9	33.519	8.1	23.0	0.48	0.87
C6	22 Sep 2026	8	22.14	88.59	5.6	33.513	8.1	23.0	0.48	0.94
C6	22 Sep 2026	9	22.15	85.18	5.5	33.516	8.1	23.0	0.48	0.98
C6	22 Sep 2026	10	21.89	78.4	5.3	33.503	8.0	23.1	0.47	1.00
C6	28 Sep 2026	1	21.57	87.06	6.8	33.517	8.1	23.2	0.62	0.82
C6	28 Sep 2026	2	21.56	87.04	6.8	33.518	8.1	23.2	0.65	0.82
C6	28 Sep 2026	3	21.54	86.93	6.8	33.517	8.1	23.2	0.69	0.79
C6	28 Sep 2026	4	21.47	87.09	6.7	33.517	8.1	23.2	0.72	0.82
C6	28 Sep 2026	5	21.46	87.17	6.7	33.514	8.1	23.2	0.80	0.82
C6	28 Sep 2026	6	21.47	87.12	6.7	33.514	8.1	23.2	0.87	0.86
C6	28 Sep 2026	7	21.45	87.17	6.6	33.514	8.1	23.2	0.86	0.84
C6	28 Sep 2026	8	21.44	86.69	6.6	33.513	8.1	23.2	0.85	0.85
C6	28 Sep 2026	9	21.40	86.57	6.5	33.512	8.1	23.3	0.77	0.86
C6	28 Sep 2026	10	21.21	85.29	6.2	33.518	8.1	23.3	0.79	0.87
C7	01 Sep 2026	1	22.04	85.65	7.0	33.352	8.1	23.0	0.68	0.84
C7	01 Sep 2026	2	22.03	85.49	7.1	33.352	8.1	23.0	0.71	0.87
C7	01 Sep 2026	3	22.03	85.89	7.0	33.352	8.1	23.0	0.75	0.85
C7	01 Sep 2026	4	21.76	86.47	7.0	33.366	8.1	23.0	0.79	0.82
C7	01 Sep 2026	5	21.14	88.29	7.2	33.344	8.1	23.2	0.72	0.78
C7	01 Sep 2026	6	20.46	90.75	7.3	33.379	8.1	23.4	0.76	0.79
C7	01 Sep 2026	7	19.97	90.76	7.4	33.346	8.1	23.5	0.75	0.80
C7	01 Sep 2026	8	19.51	90.46	7.5	33.332	8.1	23.6	0.77	0.82
C7	01 Sep 2026	9	19.32	90.14	7.4	33.329	8.1	23.7	0.76	0.80
C7	01 Sep 2026	10	18.95	90.2	7.5	33.32	8.1	23.8	0.73	0.81
C7	01 Sep 2026	11	18.86	90.03	7.4	33.319	8.1	23.8	0.71	0.84
C7	01 Sep 2026	12	18.66	89.77	7.4	33.321	8.1	23.8	0.68	0.86
C7	01 Sep 2026	13	18.60	89.8	7.4	33.32	8.1	23.8	0.70	0.86
C7	01 Sep 2026	14	18.39	89.96	7.5	33.329	8.1	23.9	0.76	0.85
C7	01 Sep 2026	15	18.24	89.97	7.5	33.329	8.1	23.9	0.86	0.82
C7	01 Sep 2026	16	18.10	90.09	7.5	33.327	8.1	24.0	0.91	0.82
C7	01 Sep 2026	17	17.90	89.85	7.2	33.336	8.1	24.0	0.69	0.85
C7	01 Sep 2026	18	16.74	88.64	7.2	33.342	8.1	24.3	0.53	0.89
C7	08 Sep 2026	1	20.48	85.51	7.3	33.385	8.1	23.4	0.89	0.84
C7	08 Sep 2026	2	19.88	85.45	7.3	33.421	8.1	23.6	0.92	0.86
C7	08 Sep 2026	3	19.07	85.47	7.6	33.388	8.1	23.8	1.16	0.88
C7	08 Sep 2026	4	19.16	87.12	7.6	33.374	8.1	23.7	1.35	0.87
C7	08 Sep 2026	5	18.94	88.3	7.6	33.373	8.1	23.8	1.40	0.87
C7	08 Sep 2026	6	18.93	88.99	7.6	33.373	8.1	23.8	1.48	0.85
C7	08 Sep 2026	7	18.89	90.25	7.6	33.375	8.1	23.8	1.43	0.86
C7	08 Sep 2026	8	18.73	91.67	7.7	33.375	8.1	23.8	1.45	0.86
C7	08 Sep 2026	9	18.68	91.1	7.7	33.377	8.1	23.9	1.54	0.84
C7	08 Sep 2026	10	18.50	90.5	7.7	33.379	8.1	23.9	1.65	0.87
C7	08 Sep 2026	11	18.52	90.81	7.7	33.377	8.1	23.9	1.64	0.85
C7	08 Sep 2026	12	18.38	90.98	7.7	33.38	8.1	23.9	1.66	0.86
C7	08 Sep 2026	13	18.30	90.9	7.6	33.383	8.1	24.0	1.58	0.87
C7	08 Sep 2026	14	18.10	91.24	7.5	33.389	8.1	24.0	1.48	0.87
C7	08 Sep 2026	15	17.90	91.21	7.3	33.388	8.1	24.1	1.37	0.88
C7	08 Sep 2026	16	17.75	90.64	7.2	33.387	8.1	24.1	1.24	0.88
C7	08 Sep 2026	17	17.48	89.57	7.0	33.389	8.1	24.2	1.03	0.90
C7	08 Sep 2026	18	17.32	87.56	7.0	33.383	8.0	24.2	0.76	0.92

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)	CDOM (ppb)
C7	08 Sep 2026	19	17.31	87.37	7.0	33.383	8.0	24.2	0.71	0.90
C7	14 Sep 2026	1	22.74	87.54	7.1	33.469	8.1	22.8	0.69	0.70
C7	14 Sep 2026	2	22.74	80.85	7.1	33.469	8.1	22.8	0.70	0.67
C7	14 Sep 2026	3	22.73	89.34	7.0	33.471	8.1	22.9	0.76	0.68
C7	14 Sep 2026	4	22.03	91.02	7.1	33.472	8.1	23.0	0.88	0.71
C7	14 Sep 2026	5	21.94	90.39	7.0	33.452	8.1	23.1	1.20	0.73
C7	14 Sep 2026	6	21.18	88.15	7.0	33.444	8.1	23.3	1.37	0.77
C7	14 Sep 2026	7	20.93	89.19	7.2	33.422	8.1	23.3	1.50	0.74
C7	14 Sep 2026	8	20.91	89	7.2	33.431	8.1	23.3	1.53	0.74
C7	14 Sep 2026	9	20.59	90.13	7.2	33.427	8.1	23.4	1.53	0.74
C7	14 Sep 2026	10	20.57	91.38	7.3	33.421	8.1	23.4	1.53	0.72
C7	14 Sep 2026	11	20.38	91.49	7.3	33.424	8.1	23.5	1.58	0.71
C7	14 Sep 2026	12	20.31	91.7	7.2	33.418	8.1	23.5	1.59	0.72
C7	14 Sep 2026	13	20.28	91.83	7.2	33.417	8.1	23.5	1.53	0.72
C7	14 Sep 2026	14	20.28	91.98	7.2	33.417	8.1	23.5	1.47	0.71
C7	14 Sep 2026	15	20.31	91.92	7.2	33.421	8.1	23.5	1.48	0.72
C7	14 Sep 2026	16	20.21	92.26	7.2	33.421	8.1	23.5	1.46	0.71
C7	14 Sep 2026	17	20.08	92.47	7.1	33.417	8.1	23.5	1.32	0.73
C7	14 Sep 2026	18	19.98	92.3	7.1	33.413	8.1	23.6	1.02	0.77
C7	22 Sep 2026	1	22.60	94.2	7.0	33.53	8.2	22.9	0.39	0.63
C7	22 Sep 2026	2	22.60	94.18	7.0	33.531	8.2	22.9	0.39	0.64
C7	22 Sep 2026	3	22.60	94.12	7.0	33.53	8.2	22.9	0.38	0.65
C7	22 Sep 2026	4	22.60	94.13	7.0	33.529	8.2	22.9	0.41	0.63
C7	22 Sep 2026	5	22.60	94.2	7.0	33.531	8.2	22.9	0.42	0.64
C7	22 Sep 2026	6	22.60	94.16	7.0	33.531	8.2	22.9	0.43	0.66
C7	22 Sep 2026	7	22.60	94.2	7.0	33.531	8.2	22.9	0.43	0.64
C7	22 Sep 2026	8	22.60	94.16	7.0	33.53	8.2	22.9	0.46	0.63
C7	22 Sep 2026	9	22.58	94.18	7.0	33.528	8.2	22.9	0.48	0.64
C7	22 Sep 2026	10	22.41	94.18	7.0	33.524	8.2	23.0	0.49	0.64
C7	22 Sep 2026	11	21.89	94.18	7.2	33.512	8.2	23.1	0.52	0.64
C7	22 Sep 2026	12	21.52	94.03	7.2	33.492	8.2	23.2	0.60	0.65
C7	22 Sep 2026	13	20.96	93.65	7.2	33.479	8.2	23.3	0.72	0.65
C7	22 Sep 2026	14	20.60	92.98	7.2	33.468	8.2	23.4	0.92	0.72
C7	22 Sep 2026	15	20.35	92.19	7.1	33.47	8.2	23.5	0.97	0.75
C7	22 Sep 2026	16	19.84	91.98	7.2	33.448	8.2	23.6	1.00	0.75
C7	22 Sep 2026	17	19.39	92.03	7.0	33.461	8.1	23.7	1.33	0.75
C7	22 Sep 2026	18	18.75	92.71	6.9	33.423	8.1	23.9	1.02	0.75
C7	28 Sep 2026	1	22.25	75.78	6.2	33.533	8.0	23.0	0.58	1.01
C7	28 Sep 2026	2	22.21	76.52	6.2	33.535	8.0	23.0	0.60	1.03
C7	28 Sep 2026	3	22.18	76.58	6.4	33.535	8.0	23.1	0.64	1.01
C7	28 Sep 2026	4	22.18	79.21	6.5	33.535	8.1	23.1	0.63	0.93
C7	28 Sep 2026	5	22.16	81.65	6.5	33.535	8.1	23.1	0.65	0.91
C7	28 Sep 2026	6	22.13	84.16	6.5	33.535	8.1	23.1	0.64	0.89
C7	28 Sep 2026	7	21.91	87.08	6.6	33.533	8.1	23.1	0.62	0.87
C7	28 Sep 2026	8	21.91	88.41	6.6	33.528	8.1	23.1	0.62	0.84
C7	28 Sep 2026	9	21.68	89.77	6.6	33.527	8.1	23.2	0.64	0.84
C7	28 Sep 2026	10	21.66	89.86	6.6	33.52	8.1	23.2	0.62	0.83
C7	28 Sep 2026	11	21.48	89.54	6.6	33.521	8.1	23.2	0.62	0.84
C7	28 Sep 2026	12	21.26	89.01	6.4	33.519	8.1	23.3	0.60	0.85
C7	28 Sep 2026	13	20.86	88.81	6.3	33.509	8.1	23.4	0.56	0.87
C7	28 Sep 2026	14	20.43	88.36	6.3	33.501	8.1	23.5	0.55	0.87
C7	28 Sep 2026	15	20.06	88.31	6.3	33.478	8.1	23.6	0.55	0.86
C7	28 Sep 2026	16	19.33	87.73	6.4	33.482	8.1	23.8	0.53	0.85
C7	28 Sep 2026	17	18.64	87.3	6.6	33.455	8.1	23.9	0.59	0.84
C7	28 Sep 2026	18	18.79	87.49	6.6	33.445	8.1	23.9	0.62	0.83
C7	28 Sep 2026	19	18.52	87.16	6.5	33.448	8.1	24.0	0.61	0.83
C8	01 Sep 2026	1	22.20	NA	7.2	NA	8.1	22.6	0.91	0.82
C8	01 Sep 2026	2	22.17	80.42	7.1	33.331	8.1	22.9	0.89	0.83
C8	01 Sep 2026	3	21.96	84.3	7.1	33.379	8.1	23.0	1.04	0.83
C8	01 Sep 2026	4	20.37	85.05	7.3	33.425	8.1	23.5	1.11	0.82
C8	01 Sep 2026	5	19.63	85.34	7.6	33.317	8.1	23.6	1.26	0.80
C8	01 Sep 2026	6	19.17	90.15	7.6	33.413	8.1	23.8	1.27	0.77
C8	01 Sep 2026	7	18.19	89.29	7.7	33.339	8.1	24.0	1.32	0.81
C8	01 Sep 2026	8	18.22	89.65	7.7	33.32	8.1	23.9	1.28	0.82
C8	01 Sep 2026	9	18.08	90.12	7.7	33.321	8.1	24.0	1.26	0.81
C8	01 Sep 2026	10	18.04	90.55	7.7	33.322	8.1	24.0	1.13	0.81
C8	01 Sep 2026	11	18.01	90.69	7.7	33.329	8.1	24.0	1.18	0.80
C8	01 Sep 2026	12	18.00	90.42	7.8	33.333	8.1	24.0	1.22	0.79
C8	01 Sep 2026	13	17.96	90.33	7.7	33.338	8.1	24.0	1.23	0.79
C8	01 Sep 2026	14	17.91	90.27	7.8	33.341	8.1	24.0	1.18	0.77

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)	CDOM (ppb)
C8	01 Sep 2026	15	17.92	90.24	7.8	33.342	8.1	24.0	1.19	0.79
C8	01 Sep 2026	16	17.86	90.58	7.7	33.342	8.1	24.0	1.18	0.79
C8	01 Sep 2026	17	17.64	90.64	7.4	33.354	8.1	24.1	1.04	0.80
C8	01 Sep 2026	18	17.39	90.43	7.3	33.343	8.1	24.1	0.63	0.84
C8	01 Sep 2026	19	17.24	89.86	7.1	33.338	8.1	24.2	0.49	0.86
C8	01 Sep 2026	20	17.24	88.79	7.0	33.33	8.1	24.2	0.43	0.89
C8	08 Sep 2026	1	20.22	86.95	7.5	33.388	8.1	23.5	1.11	0.80
C8	08 Sep 2026	2	20.14	87.07	7.5	33.398	8.1	23.5	1.13	0.81
C8	08 Sep 2026	3	19.83	87.07	7.5	33.396	8.1	23.6	1.33	0.84
C8	08 Sep 2026	4	19.67	86.35	7.5	33.394	8.1	23.6	1.54	0.84
C8	08 Sep 2026	5	19.55	85.94	7.5	33.388	8.1	23.6	1.60	0.87
C8	08 Sep 2026	6	19.45	86.13	7.5	33.388	8.1	23.7	1.68	0.86
C8	08 Sep 2026	7	19.34	86.34	7.5	33.388	8.1	23.7	1.68	0.85
C8	08 Sep 2026	8	18.90	86.63	7.6	33.393	8.1	23.8	1.69	0.85
C8	08 Sep 2026	9	18.93	87.55	7.6	33.384	8.1	23.8	1.70	0.85
C8	08 Sep 2026	10	18.52	89.88	7.7	33.38	8.1	23.9	1.54	0.85
C8	08 Sep 2026	11	18.50	91.63	7.7	33.376	8.1	23.9	1.38	0.84
C8	08 Sep 2026	12	17.98	92.62	7.6	33.391	8.1	24.0	1.25	0.86
C8	08 Sep 2026	13	17.82	93.34	7.5	33.38	8.1	24.1	1.02	0.87
C8	08 Sep 2026	14	17.77	93.71	7.4	33.377	8.1	24.1	1.05	0.88
C8	08 Sep 2026	15	17.76	93.44	7.4	33.374	8.1	24.1	1.09	0.89
C8	08 Sep 2026	16	17.73	92.92	7.3	33.383	8.1	24.1	1.13	0.89
C8	08 Sep 2026	17	17.68	92.04	7.3	33.382	8.1	24.1	1.20	0.87
C8	08 Sep 2026	18	17.55	91.44	7.2	33.388	8.1	24.1	1.25	0.88
C8	08 Sep 2026	19	17.50	89.95	7.2	33.384	8.1	24.2	1.14	0.89
C8	08 Sep 2026	20	17.43	88.61	7.2	33.385	8.1	24.2	1.09	0.89
C8	14 Sep 2026	1	22.90	90.55	7.0	33.487	8.1	22.8	0.75	0.65
C8	14 Sep 2026	2	22.90	90.62	7.0	33.487	8.1	22.8	0.76	0.67
C8	14 Sep 2026	3	22.83	90.55	6.9	33.492	8.1	22.8	0.80	0.65
C8	14 Sep 2026	4	22.41	89.94	7.0	33.483	8.1	23.0	0.81	0.65
C8	14 Sep 2026	5	22.06	90.57	7.1	33.467	8.1	23.0	0.78	0.64
C8	14 Sep 2026	6	21.93	91.87	7.2	33.456	8.1	23.1	0.86	0.66
C8	14 Sep 2026	7	21.72	92.08	7.1	33.451	8.1	23.1	0.95	0.66
C8	14 Sep 2026	8	21.36	92.03	7.1	33.443	8.1	23.2	1.06	0.70
C8	14 Sep 2026	9	21.06	91.24	7.2	33.43	8.1	23.3	1.36	0.73
C8	14 Sep 2026	10	20.98	90.82	7.2	33.427	8.1	23.3	1.50	0.73
C8	14 Sep 2026	11	20.82	91.07	7.2	33.421	8.1	23.3	1.54	0.73
C8	14 Sep 2026	12	20.61	91.41	7.2	33.419	8.1	23.4	1.47	0.71
C8	14 Sep 2026	13	20.53	91.82	7.2	33.408	8.1	23.4	1.42	0.73
C8	14 Sep 2026	14	20.46	92.16	7.2	33.419	8.1	23.4	1.41	0.74
C8	14 Sep 2026	15	20.33	92.24	7.1	33.415	8.1	23.5	1.25	0.76
C8	14 Sep 2026	16	20.19	91.78	7.0	33.413	8.1	23.5	0.99	0.75
C8	14 Sep 2026	17	20.14	89.33	6.9	33.414	8.1	23.5	0.76	0.82
C8	14 Sep 2026	18	20.12	86.57	6.9	33.411	8.1	23.5	0.69	0.83
C8	14 Sep 2026	19	20.11	85.9	6.9	33.411	8.1	23.5	0.70	0.84
C8	14 Sep 2026	20	20.10	84.5	7.0	33.411	8.1	23.5	0.71	0.84
C8	22 Sep 2026	1	22.60	93.98	7.0	33.536	8.2	22.9	0.42	0.63
C8	22 Sep 2026	2	22.60	94.06	7.0	33.536	8.2	22.9	0.43	0.63
C8	22 Sep 2026	3	22.60	94.13	7.0	33.535	8.2	22.9	0.45	0.62
C8	22 Sep 2026	4	22.59	94.13	7.0	33.535	8.2	22.9	0.48	0.62
C8	22 Sep 2026	5	22.59	94.05	7.0	33.535	8.2	22.9	0.48	0.62
C8	22 Sep 2026	6	22.56	94.03	7.0	33.533	8.2	22.9	0.48	0.64
C8	22 Sep 2026	7	22.35	94.08	7.0	33.539	8.2	23.0	0.52	0.62
C8	22 Sep 2026	8	21.42	93.96	7.2	33.5	8.2	23.2	0.60	0.64
C8	22 Sep 2026	9	21.30	93.57	7.3	33.48	8.2	23.3	0.73	0.68
C8	22 Sep 2026	10	20.99	93.3	7.2	33.485	8.2	23.3	0.79	0.67
C8	22 Sep 2026	11	20.63	92.62	7.3	33.458	8.2	23.4	1.09	0.70
C8	22 Sep 2026	12	20.22	92.37	7.2	33.46	8.2	23.5	1.25	0.70
C8	22 Sep 2026	13	20.08	92.49	7.2	33.444	8.2	23.6	1.40	0.72
C8	22 Sep 2026	14	20.03	92.14	7.2	33.45	8.2	23.6	1.53	0.72
C8	22 Sep 2026	15	19.78	91.85	7.2	33.444	8.2	23.6	1.48	0.72
C8	22 Sep 2026	16	19.56	91.9	7.0	33.438	8.2	23.7	1.45	0.74
C8	22 Sep 2026	17	19.35	91.92	7.1	33.431	8.1	23.7	1.50	0.73
C8	22 Sep 2026	18	19.27	92	7.0	33.436	8.1	23.8	1.56	0.75
C8	22 Sep 2026	19	18.78	92.38	6.9	33.425	8.1	23.9	1.12	0.77
C8	22 Sep 2026	20	18.77	92.68	6.8	33.42	8.1	23.9	0.67	0.78
C8	28 Sep 2026	1	22.37	67.57	6.6	33.535	8.1	23.0	0.44	1.04
C8	28 Sep 2026	2	22.36	80.31	6.6	33.536	8.1	23.0	0.48	0.87
C8	28 Sep 2026	3	22.23	89.31	6.5	33.544	8.1	23.0	0.48	0.76
C8	28 Sep 2026	4	21.94	89.07	6.3	33.53	8.1	23.1	0.60	0.83

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)	CDOM (ppb)
C8	28 Sep 2026	5	21.56	87.86	6.3	33.527	8.1	23.2	0.64	0.85
C8	28 Sep 2026	6	20.95	87.56	6.4	33.512	8.1	23.4	0.71	0.83
C8	28 Sep 2026	7	20.52	89.56	6.7	33.491	8.1	23.5	0.65	0.80
C8	28 Sep 2026	8	20.05	91.03	6.9	33.473	8.1	23.6	0.62	0.75
C8	28 Sep 2026	9	19.83	92.15	6.8	33.465	8.1	23.6	0.63	0.73
C8	28 Sep 2026	10	19.16	92.75	6.9	33.462	8.1	23.8	0.63	0.74
C8	28 Sep 2026	11	19.16	92.63	6.9	33.453	8.1	23.8	0.78	0.74
C8	28 Sep 2026	12	18.63	92.84	7.0	33.461	8.1	23.9	0.82	0.75
C8	28 Sep 2026	13	18.45	93.96	7.1	33.447	8.1	24.0	1.02	0.74
C8	28 Sep 2026	14	18.38	94.31	7.1	33.441	8.1	24.0	1.10	0.74
C8	28 Sep 2026	15	18.31	94.29	7.1	33.444	8.1	24.0	1.10	0.75
C8	28 Sep 2026	16	18.28	94.48	7.0	33.445	8.1	24.0	1.03	0.75
C8	28 Sep 2026	17	18.21	93.97	6.8	33.446	8.1	24.0	0.96	0.75
C8	28 Sep 2026	18	18.21	92.85	6.8	33.447	8.1	24.0	0.87	0.77
C8	28 Sep 2026	19	18.17	92.6	6.8	33.448	8.1	24.0	0.85	0.80
C8	28 Sep 2026	20	18.16	92.07	6.7	33.448	8.1	24.0	0.83	0.82

NA = not available

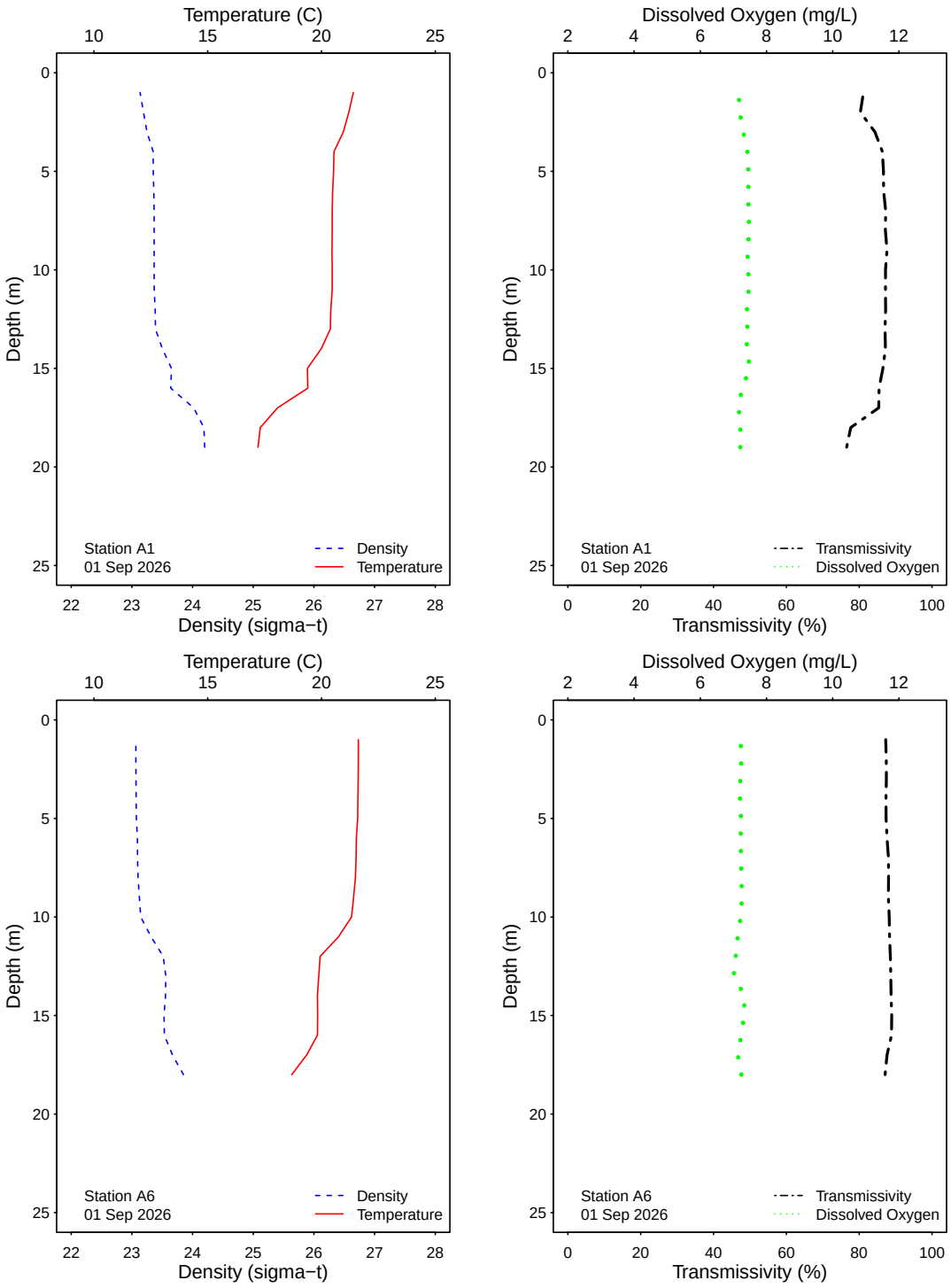


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

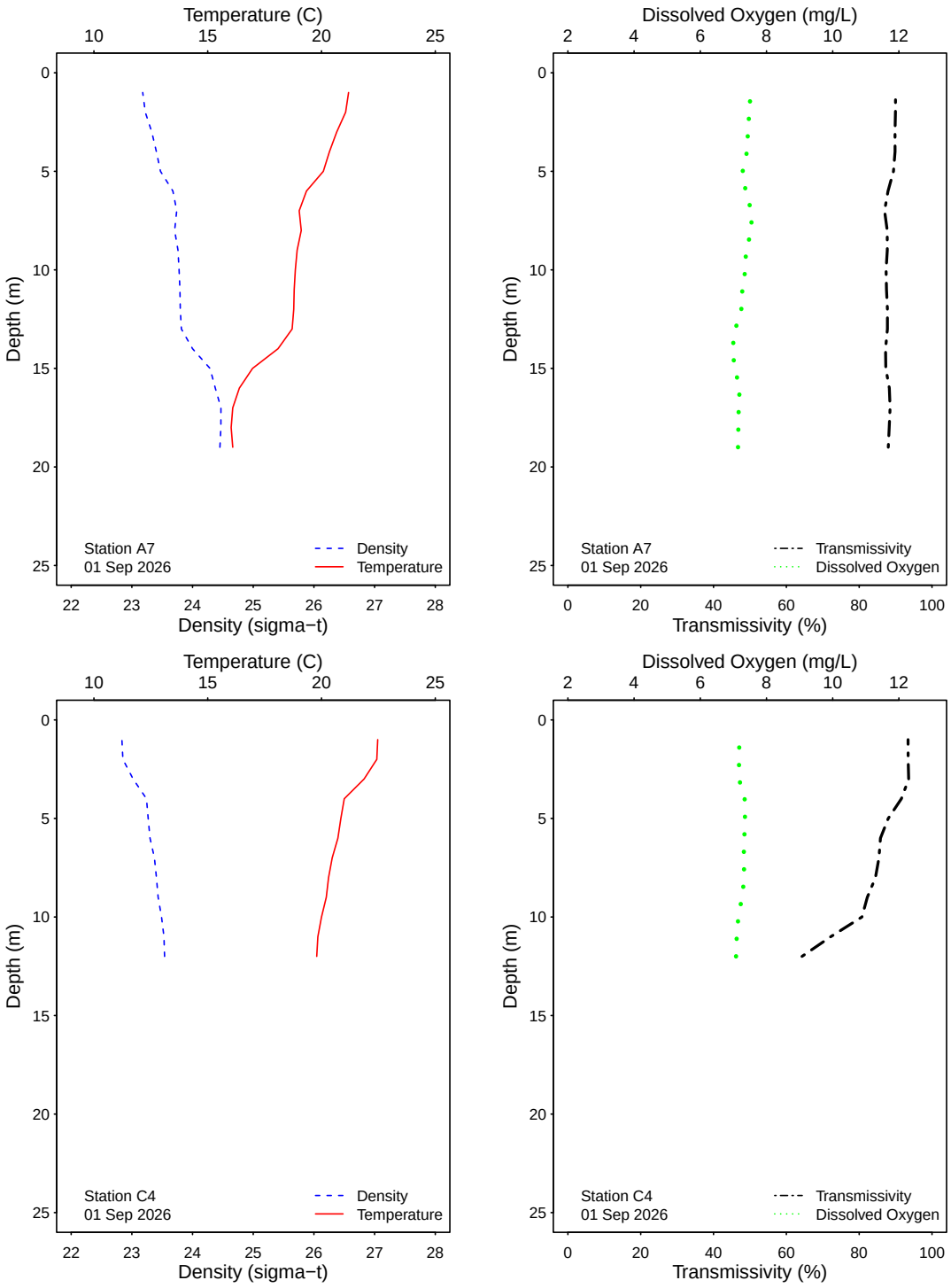


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

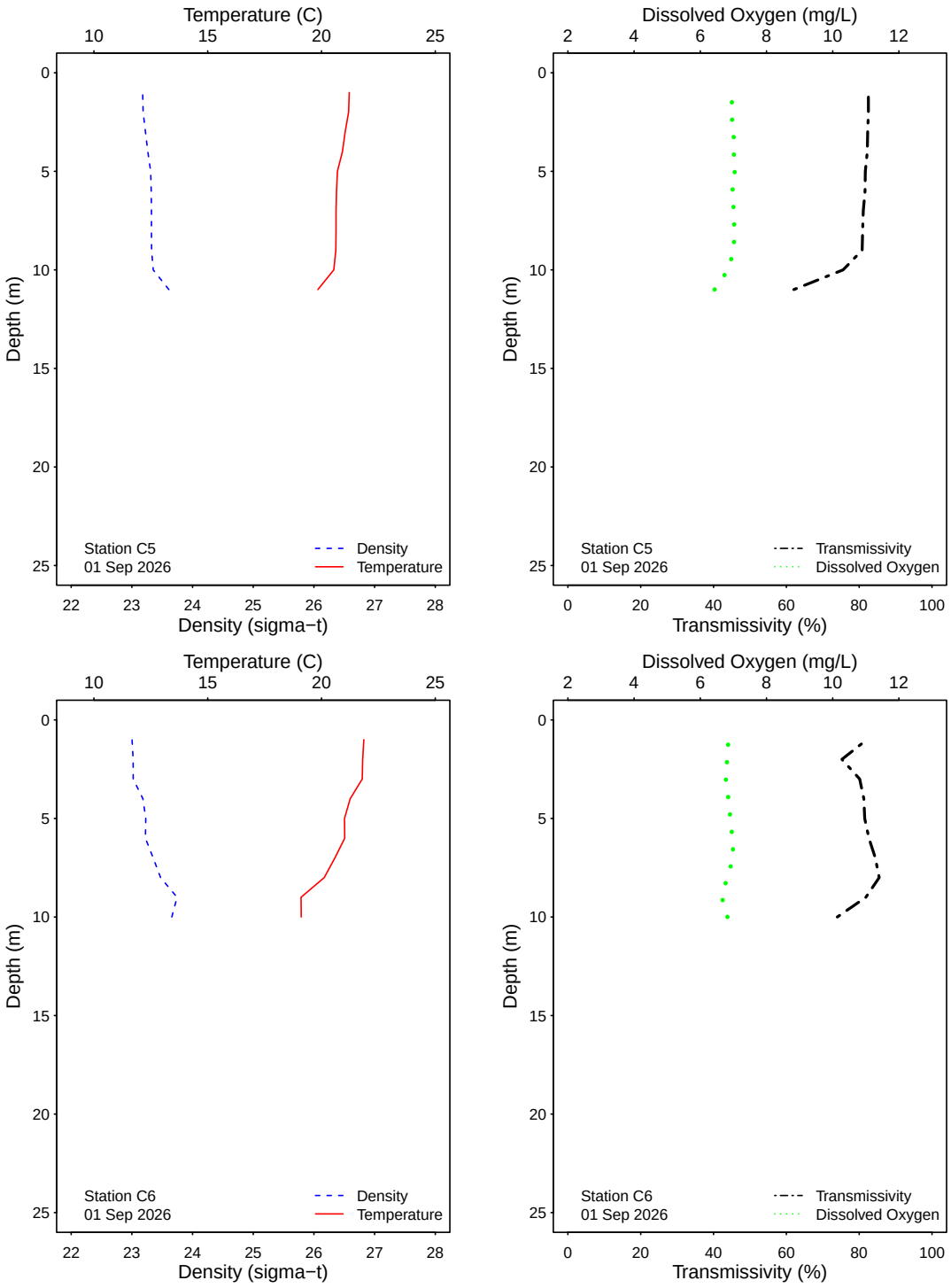


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

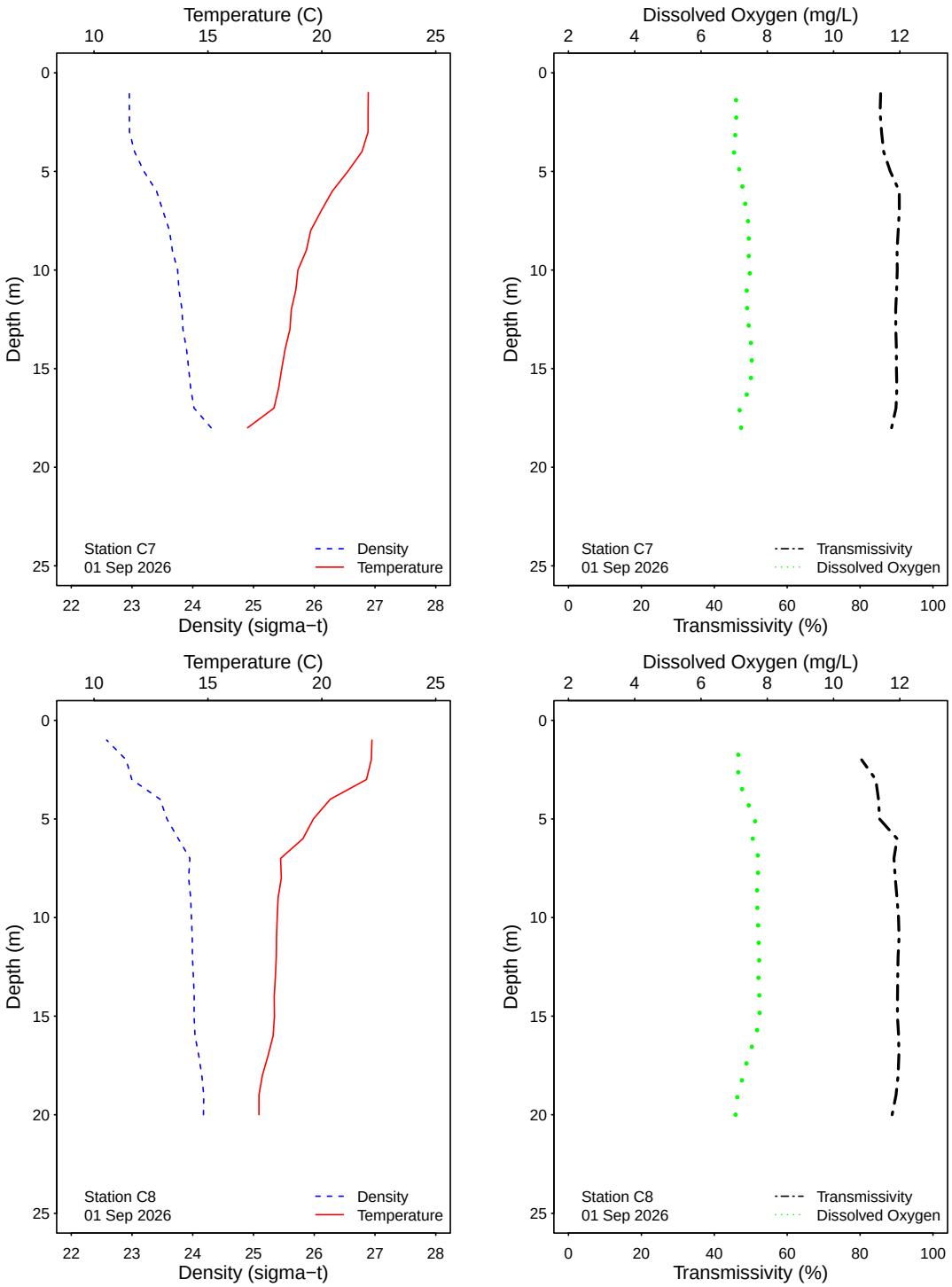


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

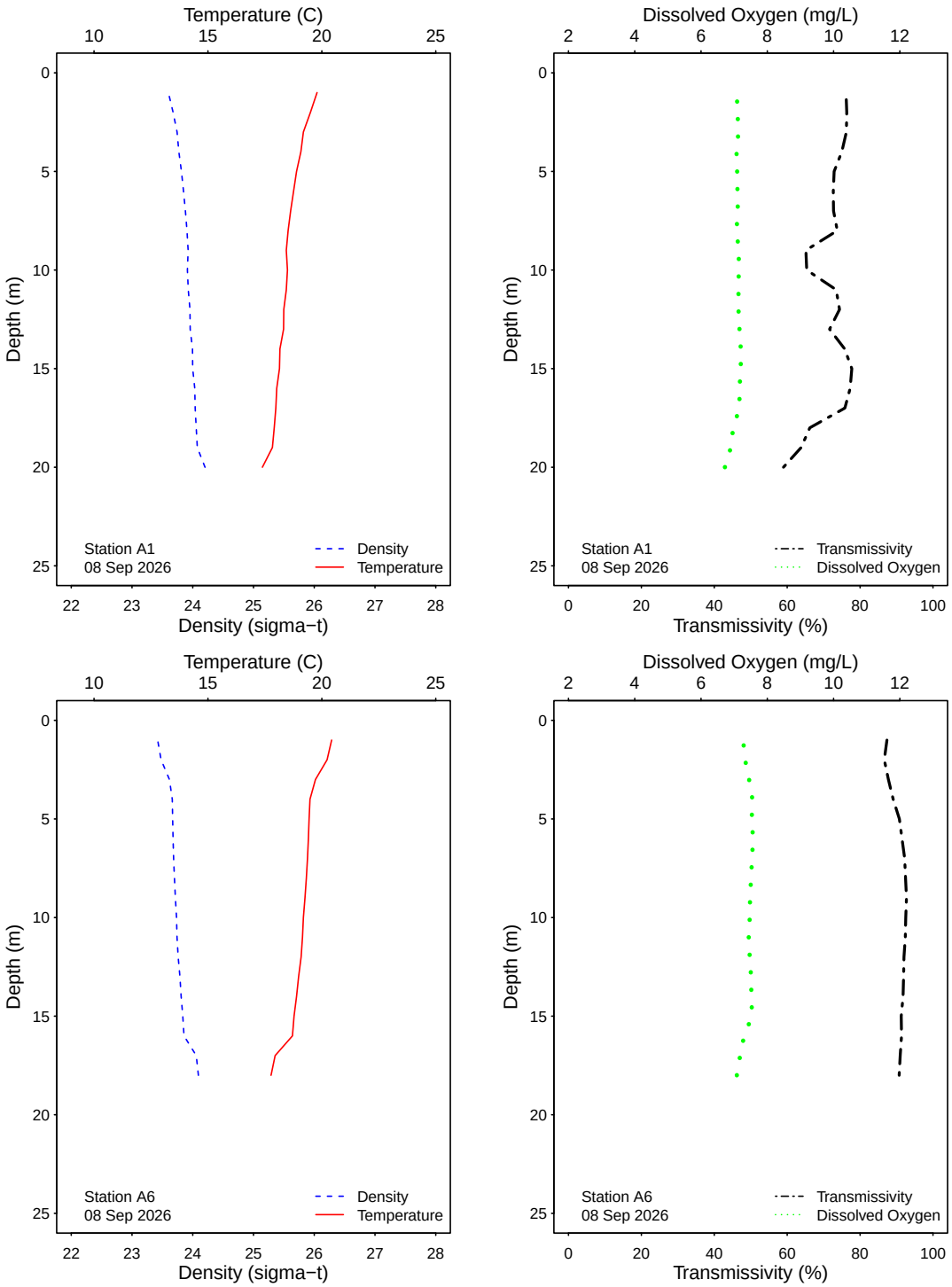


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

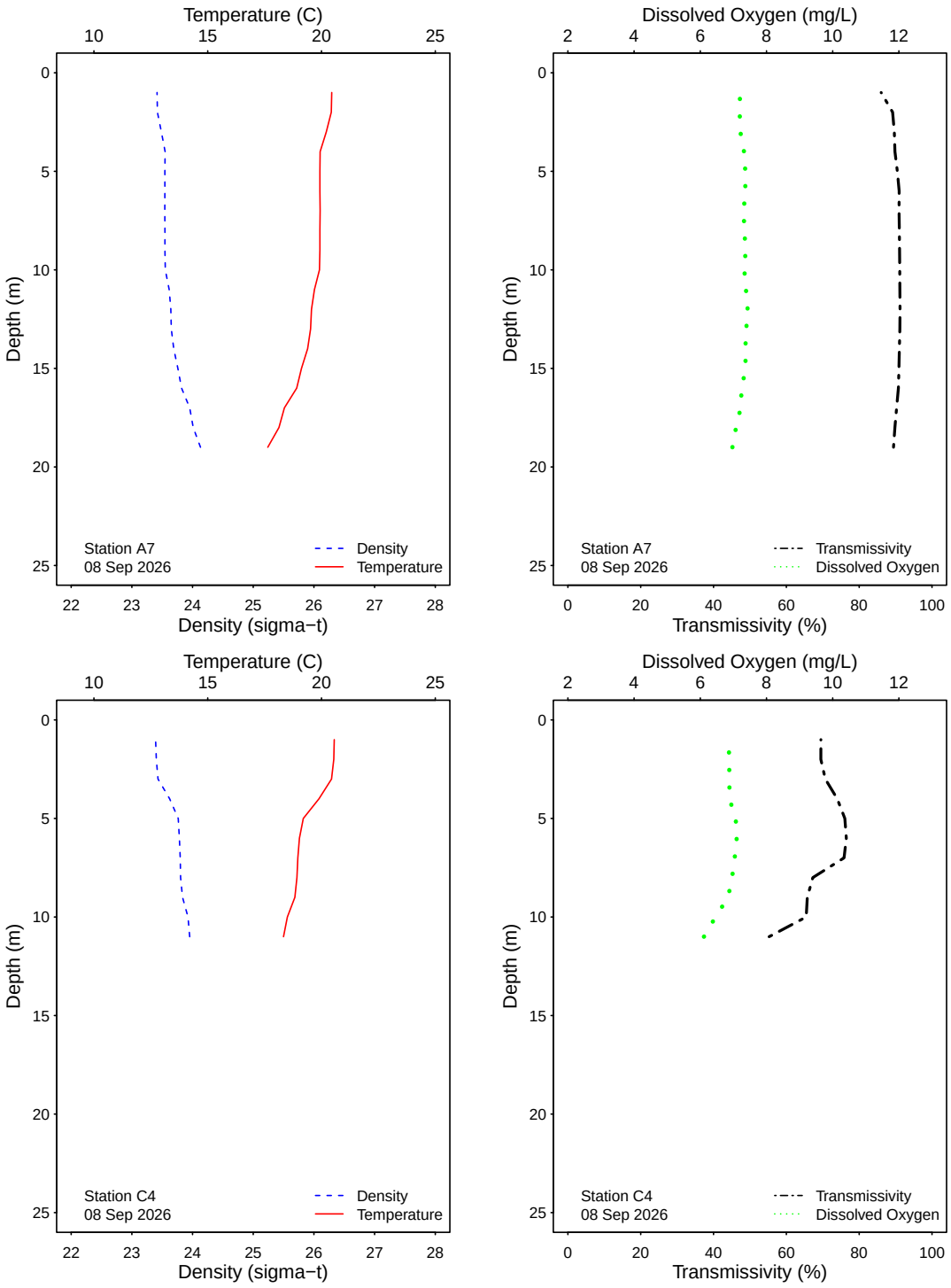


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

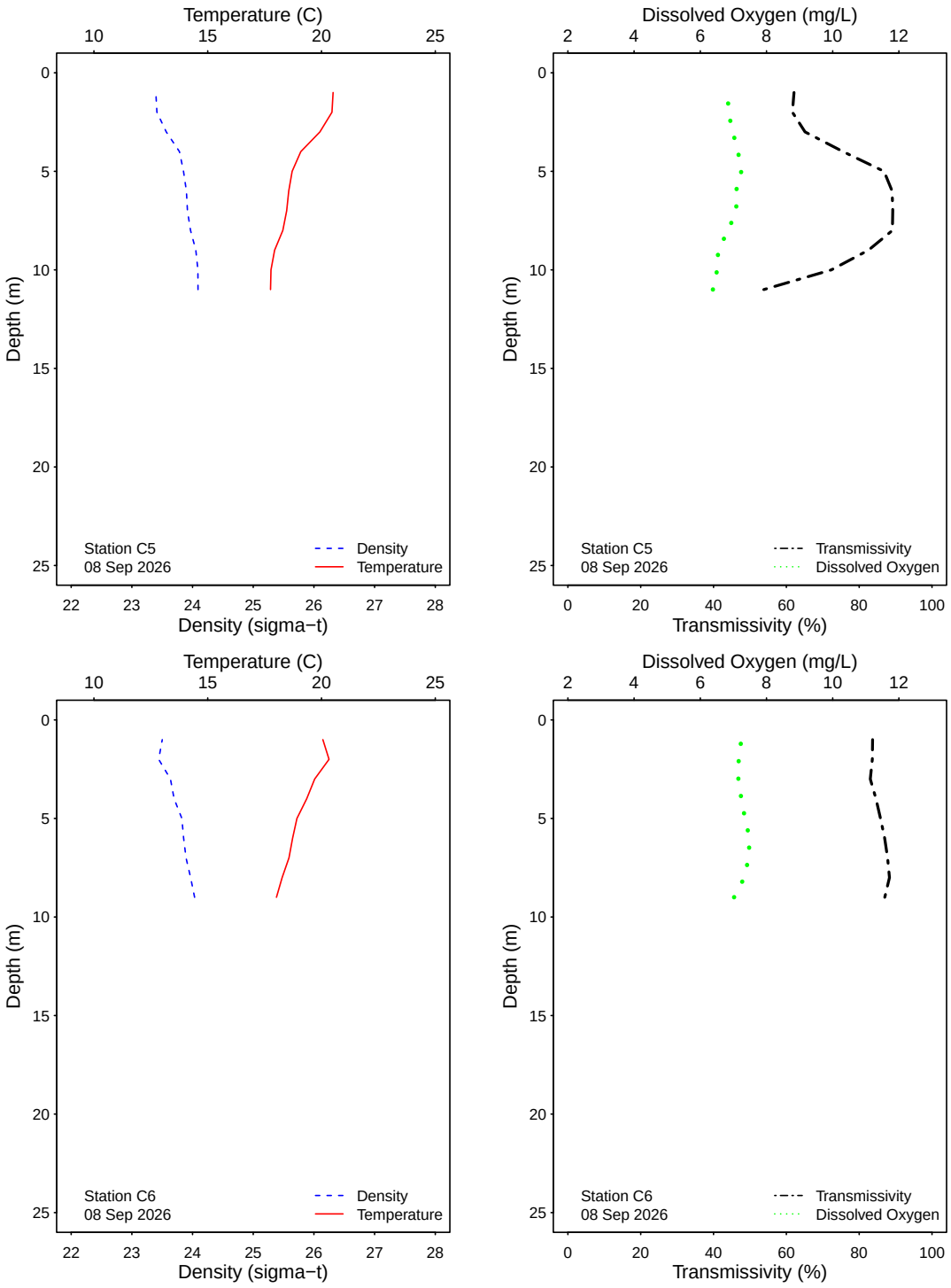


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

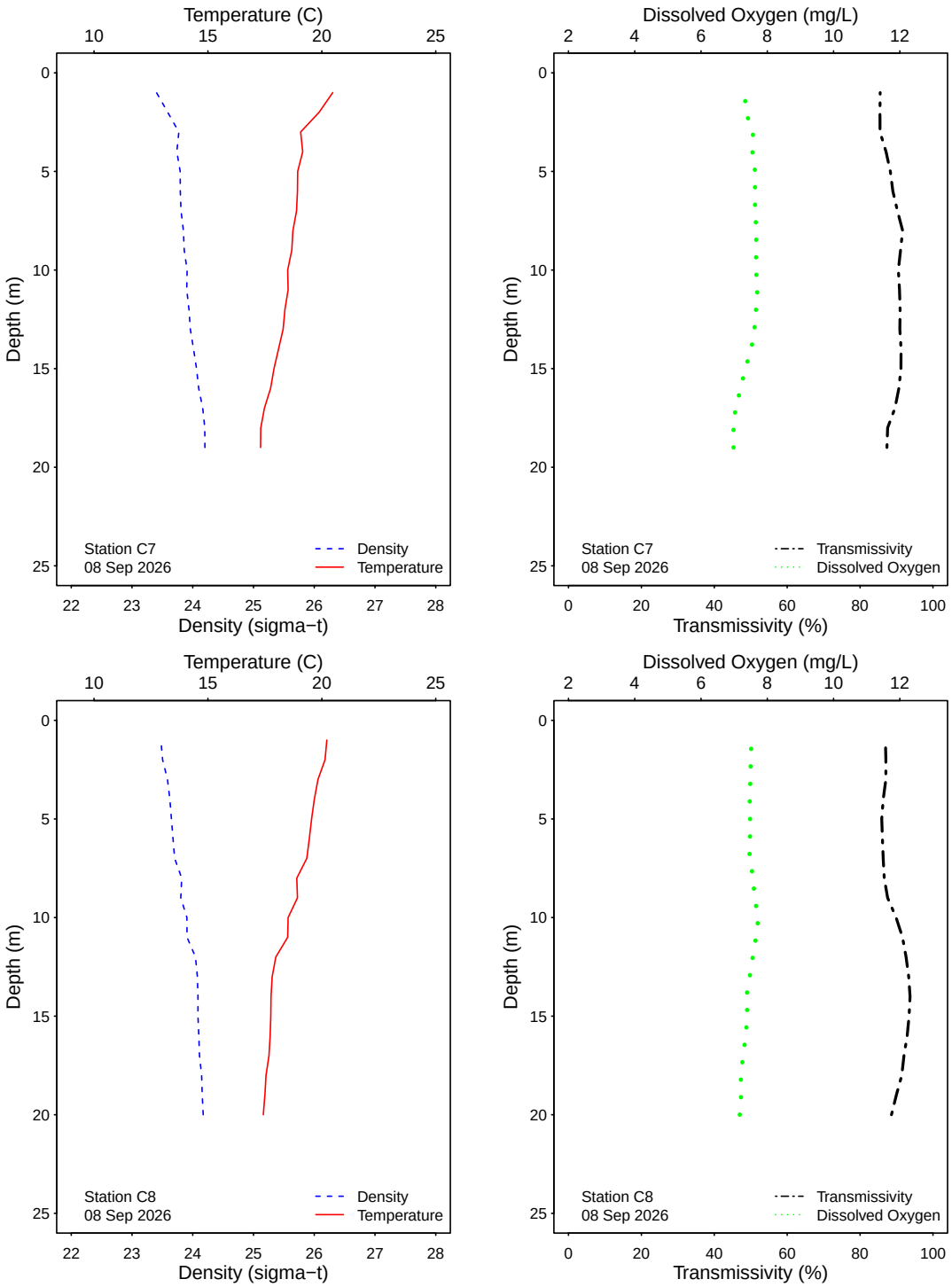


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

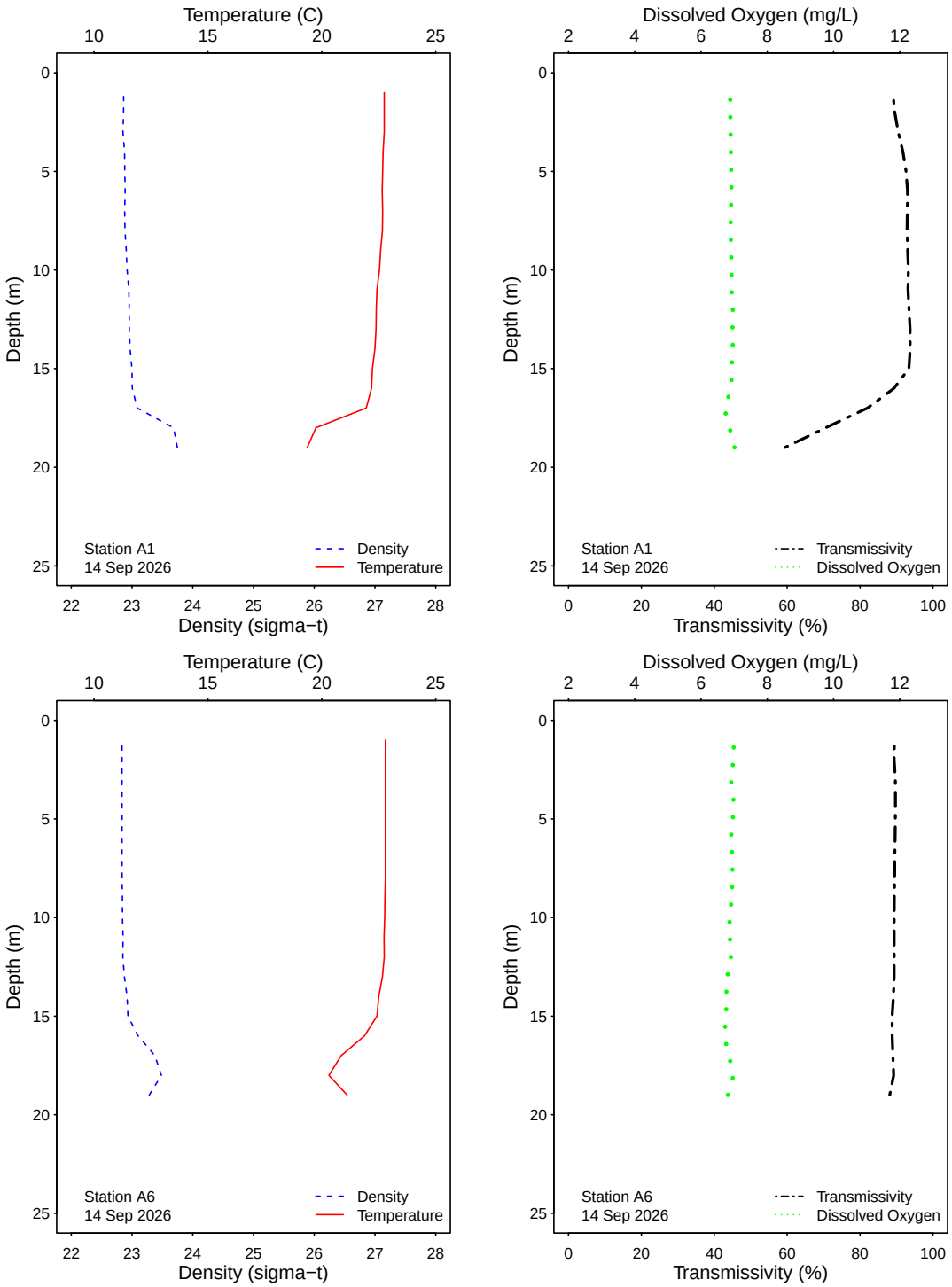


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

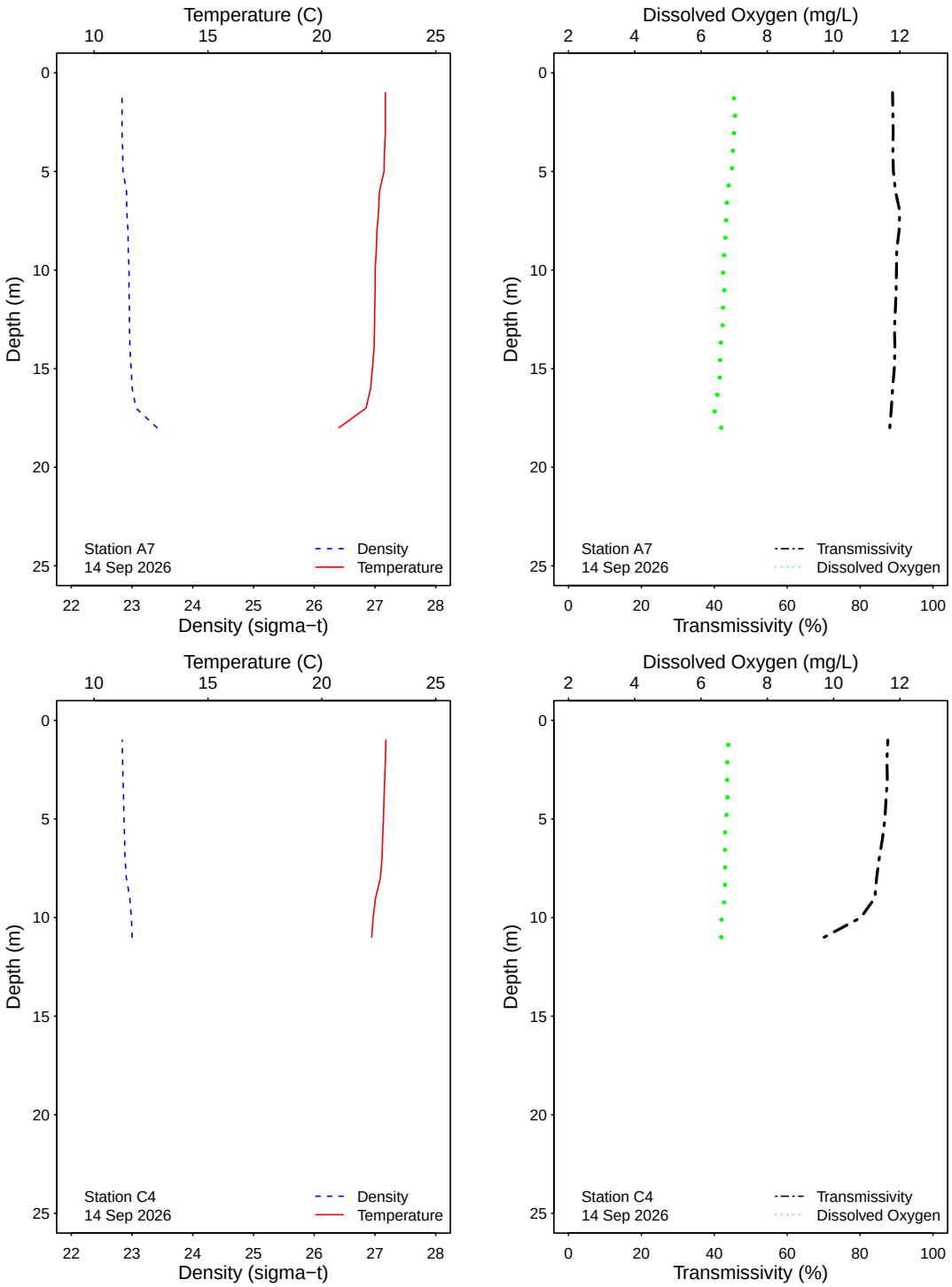


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

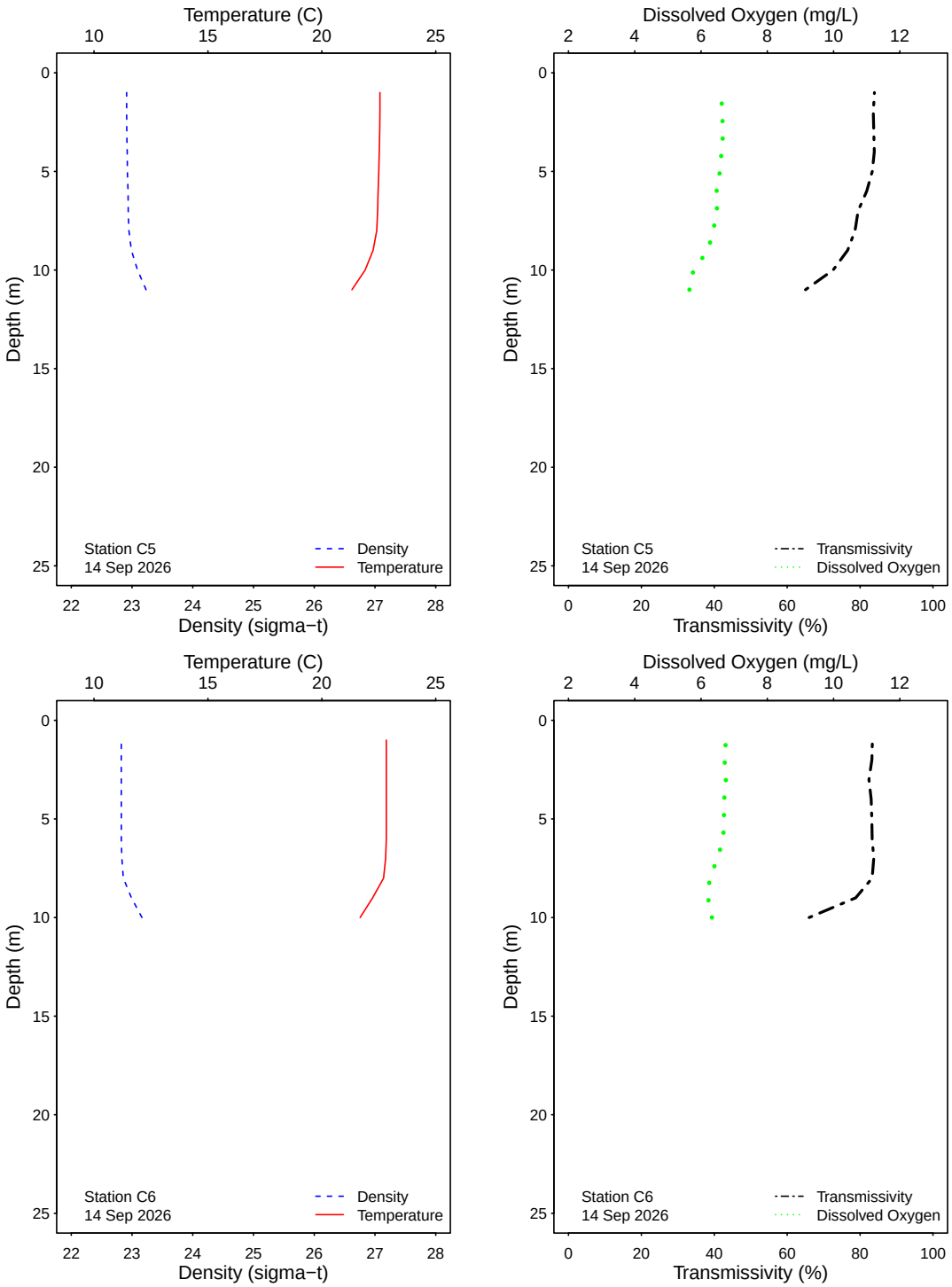


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

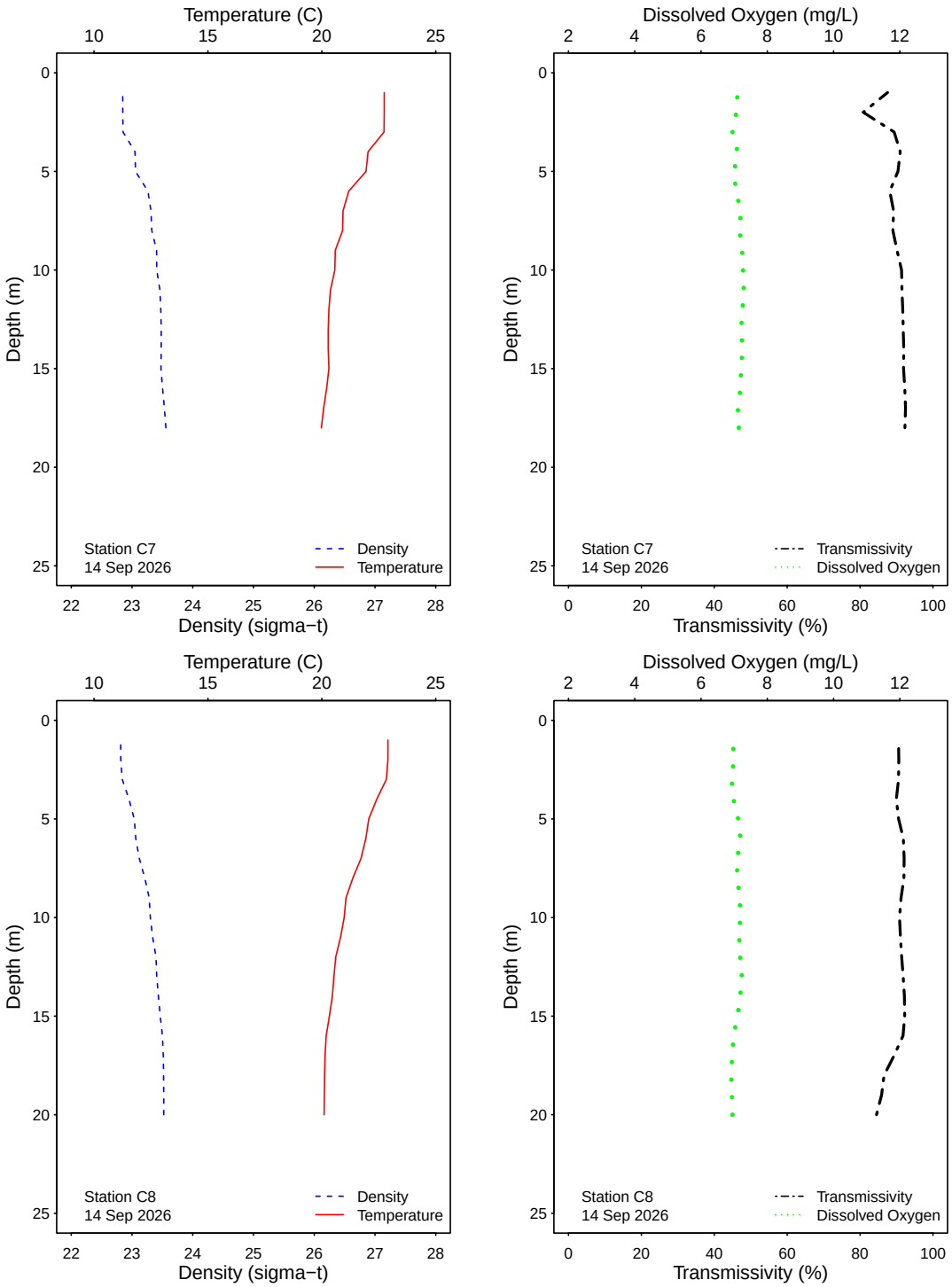


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

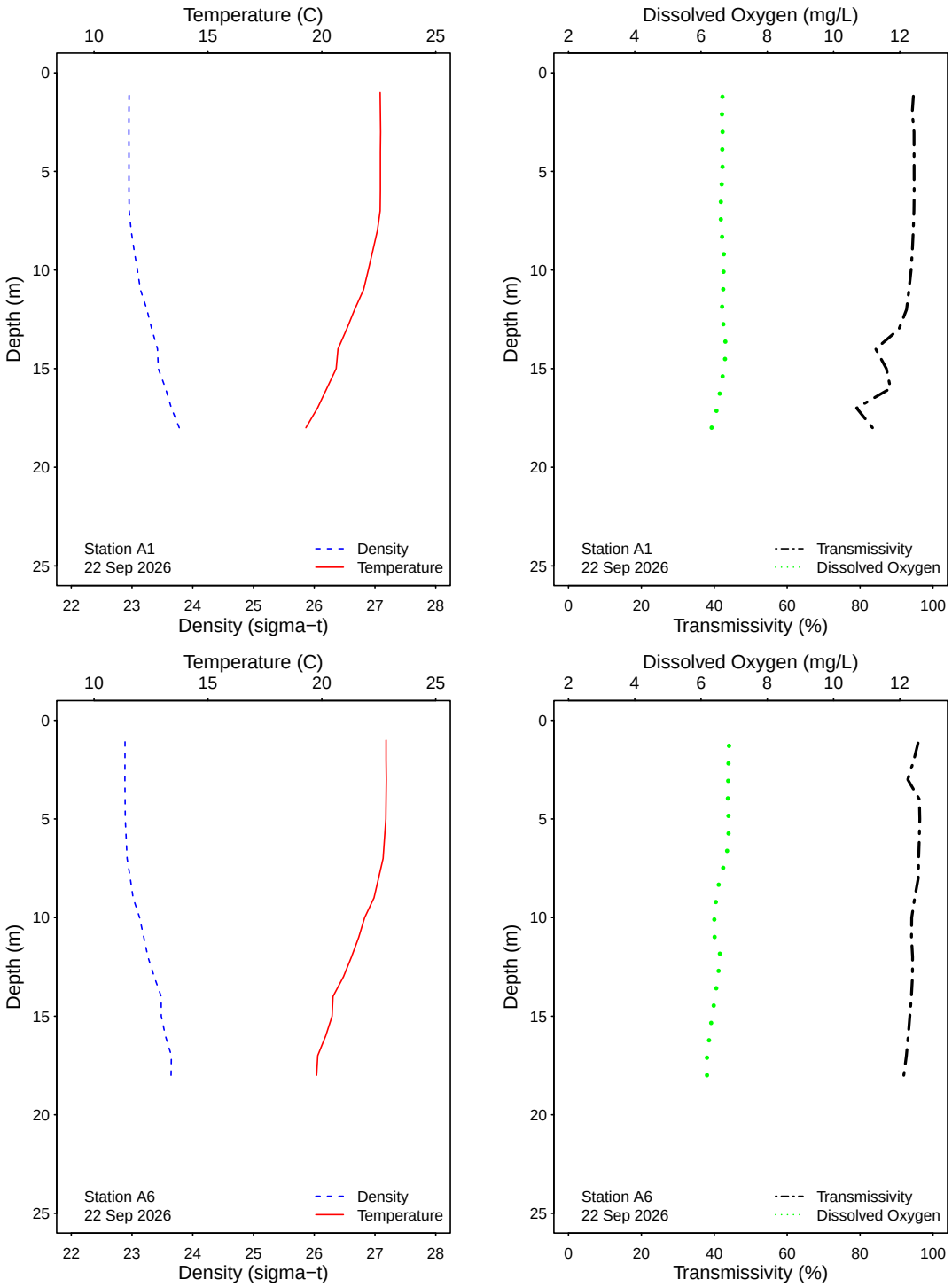


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

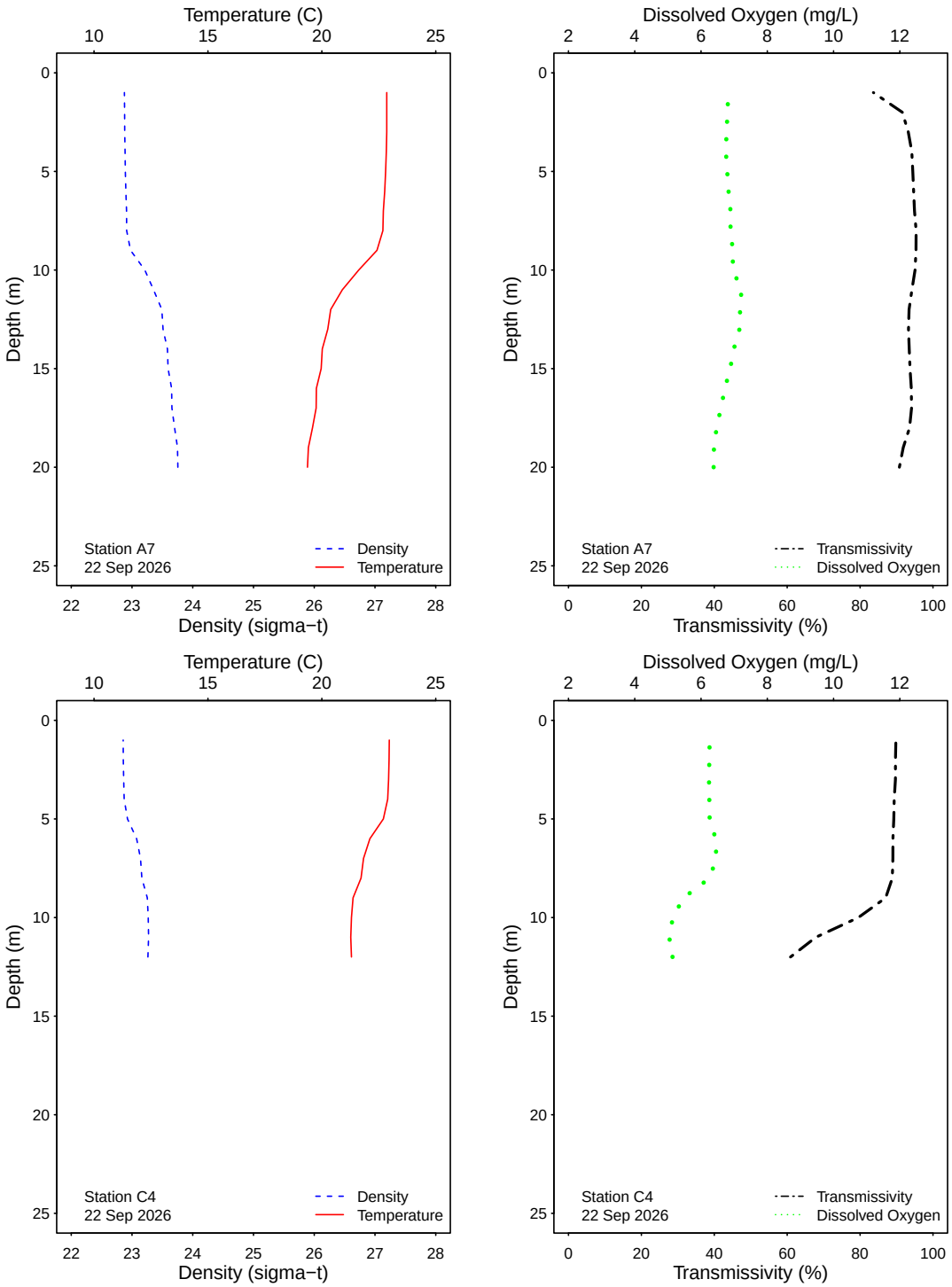


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

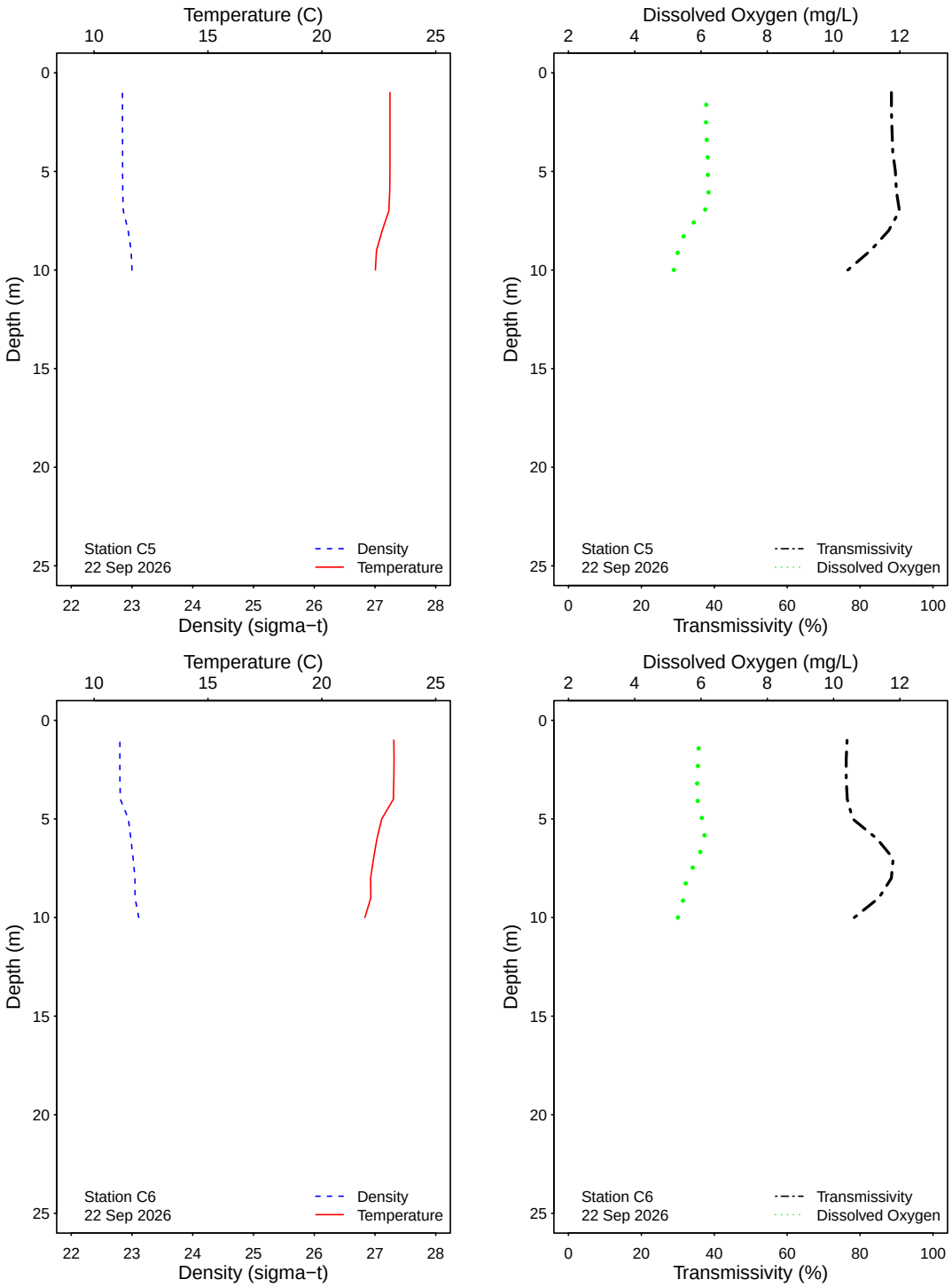


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

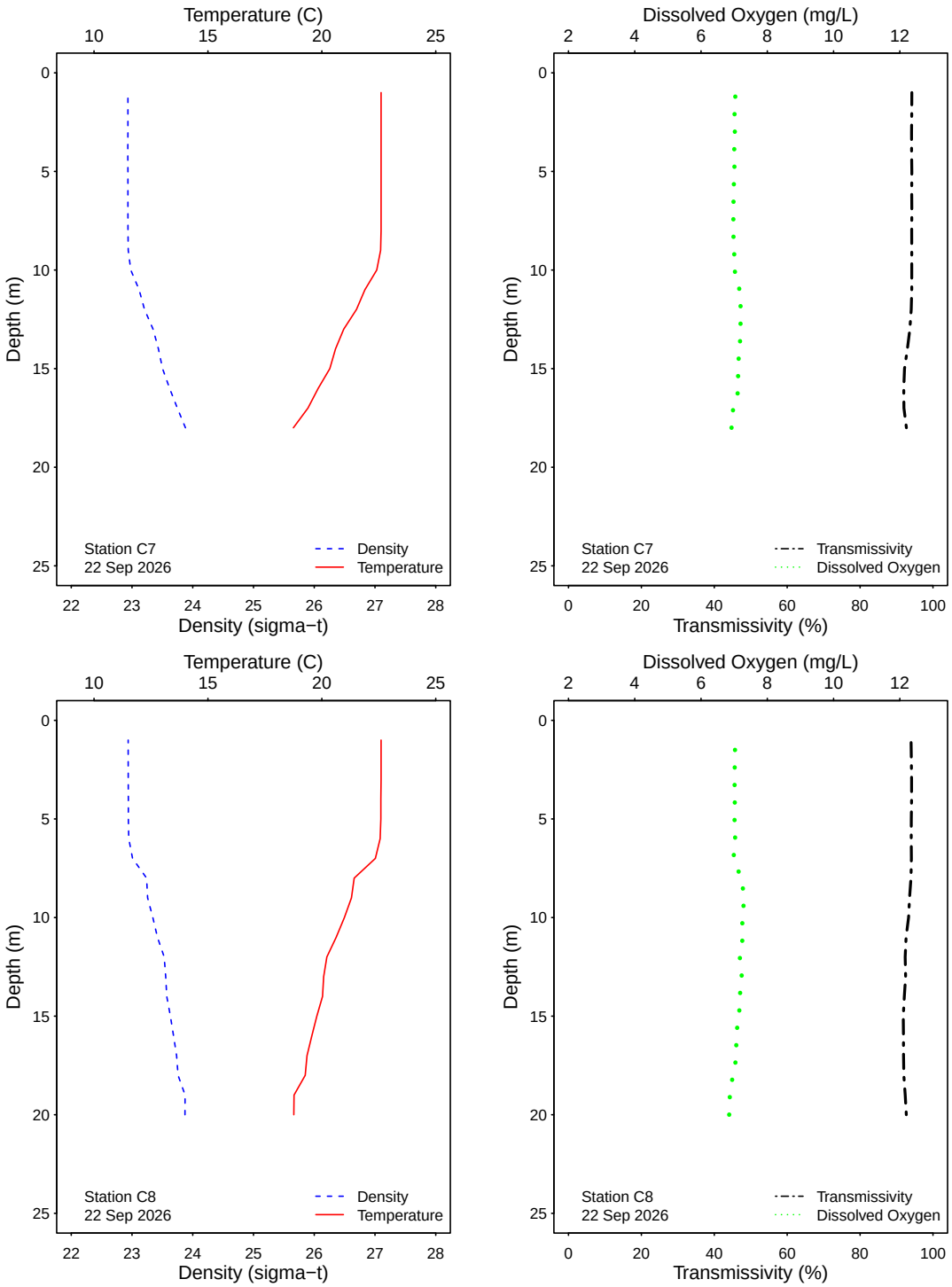


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

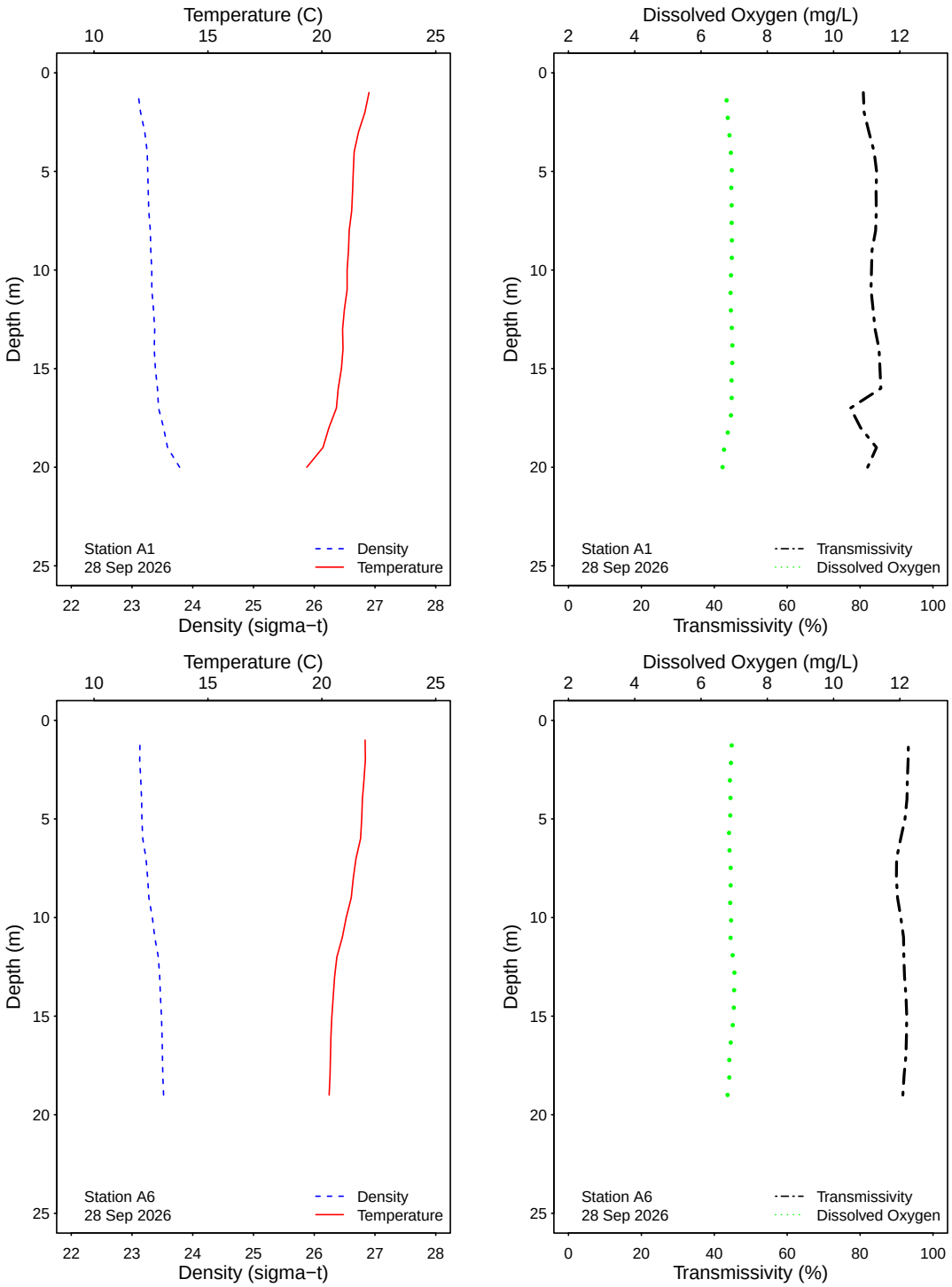


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

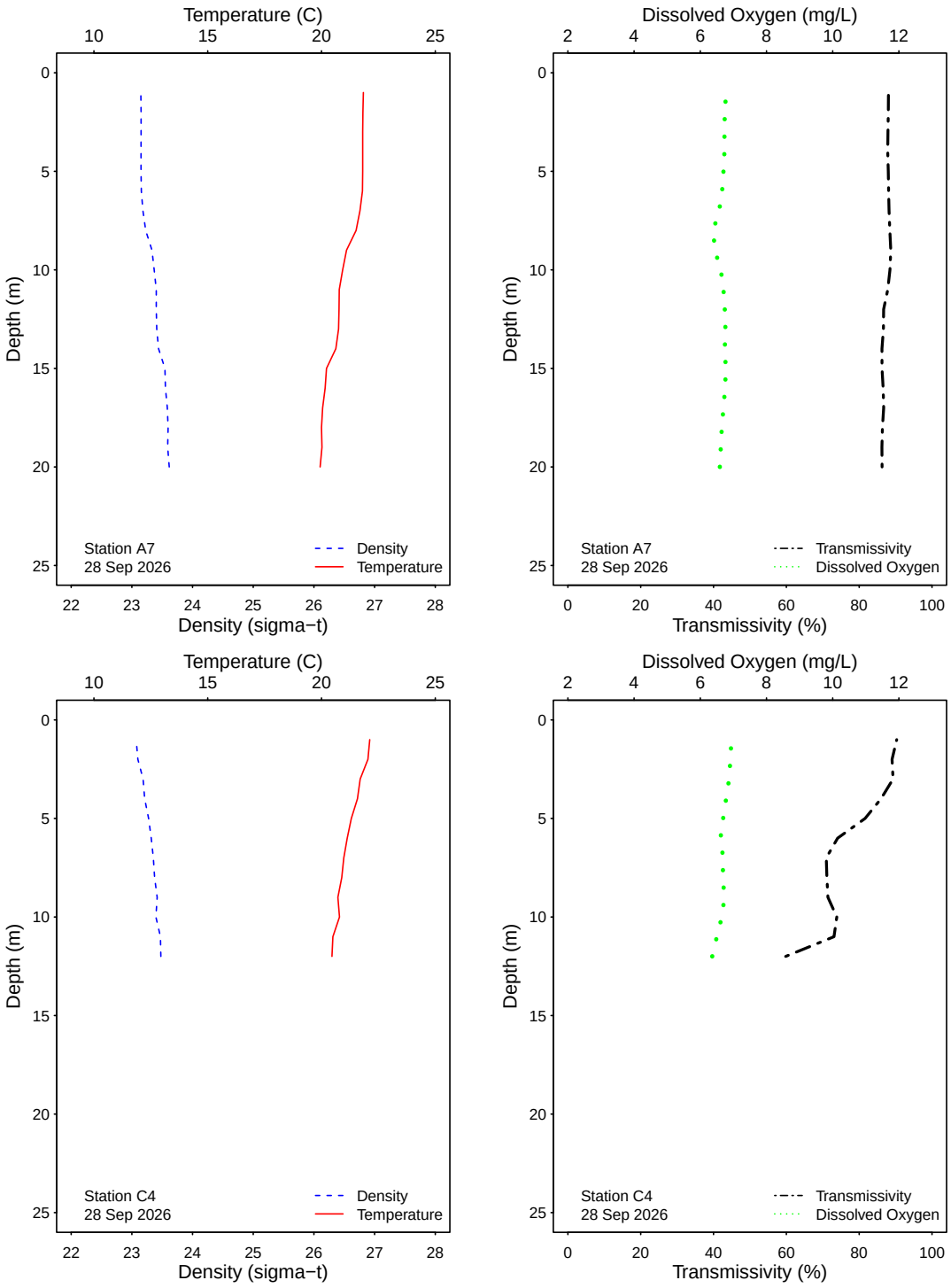


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

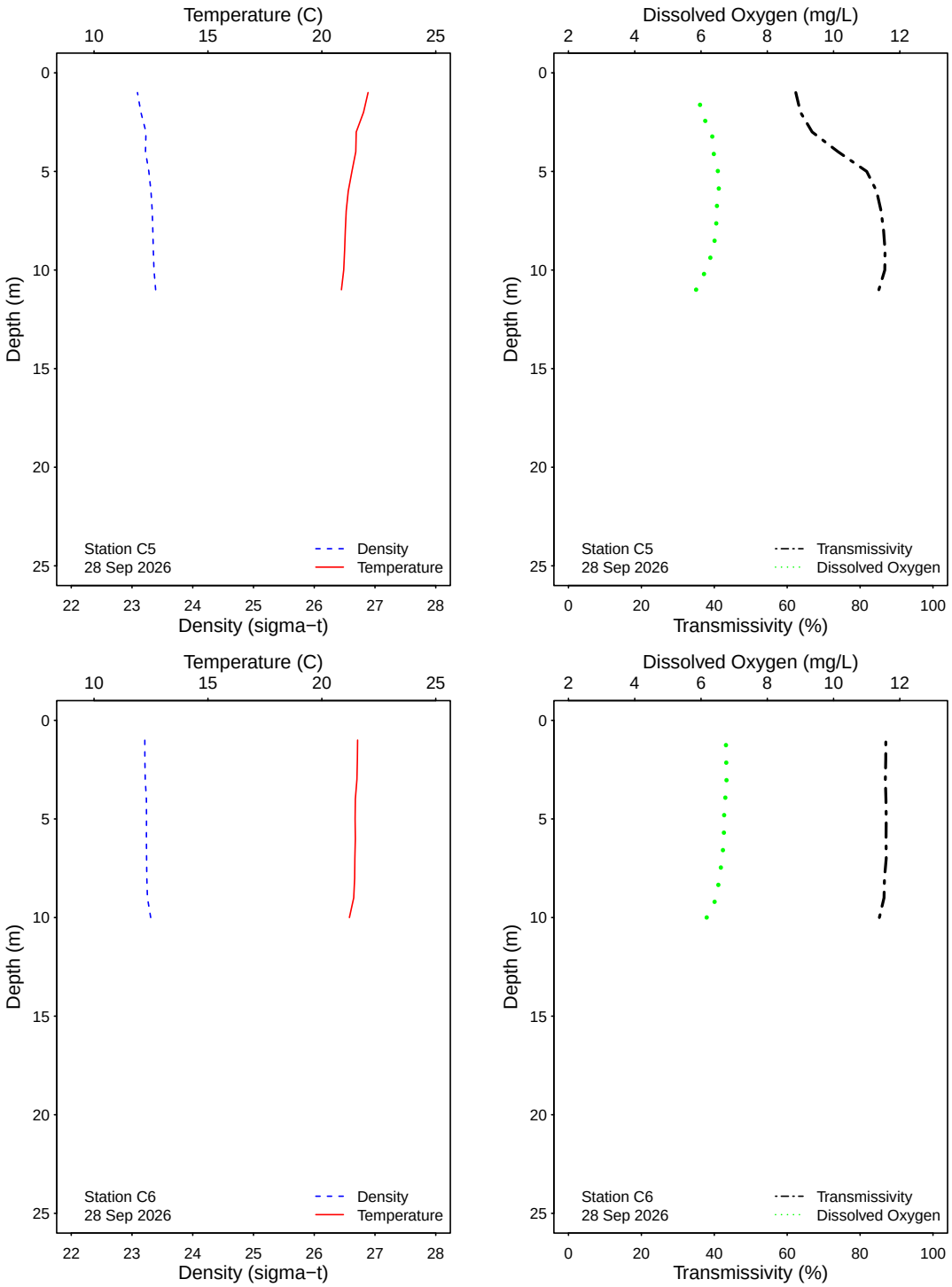


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

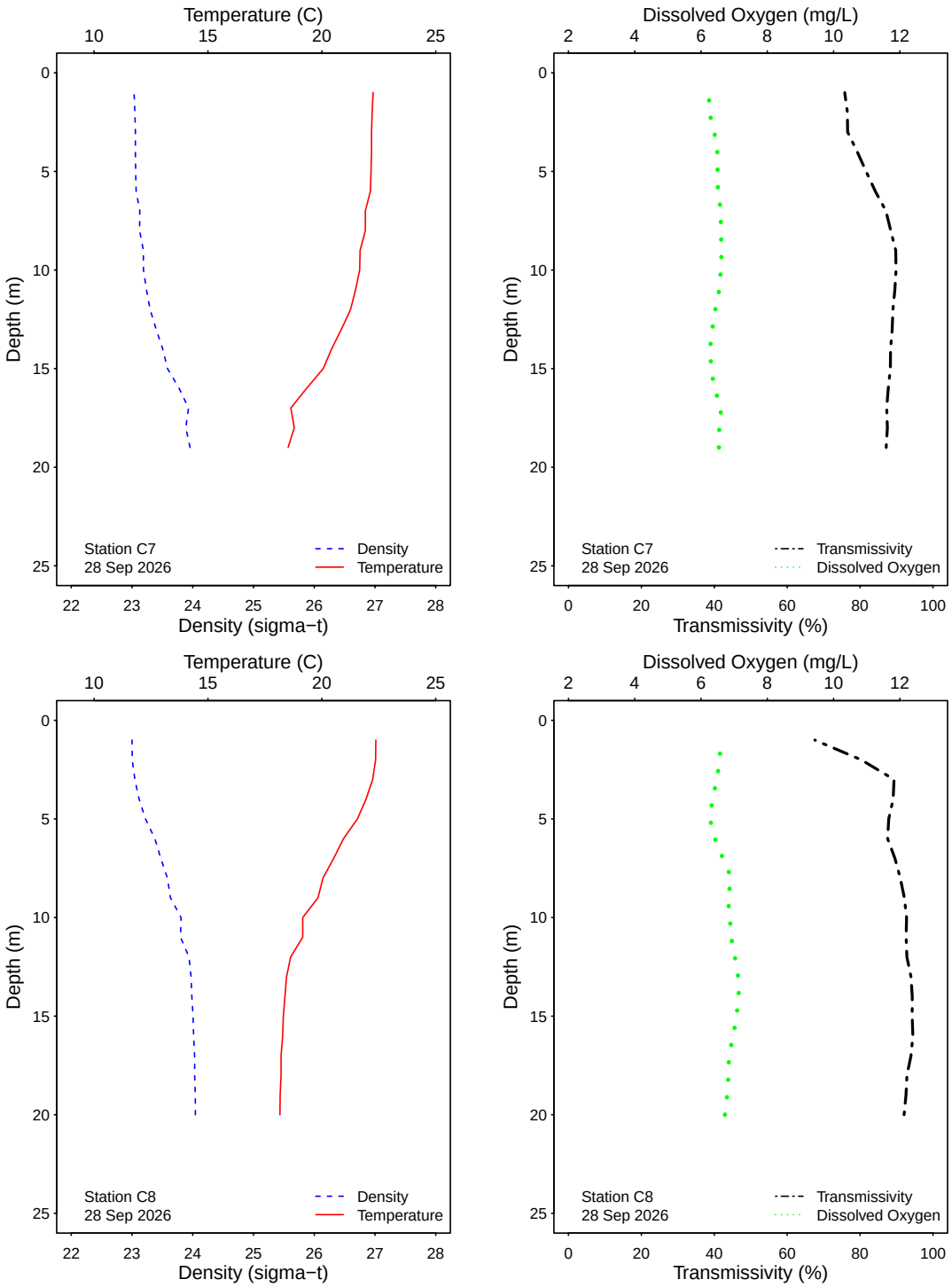


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

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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	01 Sep 2026	18	SS	LAB DUPLICATE	ns	2	1
A7	08 Sep 2026	18	NCD	LAB DUPLICATE	ns	2	1
A7	14 Sep 2026	18	NCD	LAB DUPLICATE	ns	2	1
A7	22 Sep 2026	18	ADG	LAB DUPLICATE	ns	2	1
A7	28 Sep 2026	18	NCD	LAB DUPLICATE	ns	2	1
C7	01 Sep 2026	18	SS	LAB DUPLICATE	ns	2	1
C7	08 Sep 2026	18	NCD	LAB DUPLICATE	ns	2	1
C7	14 Sep 2026	18	NCD	LAB DUPLICATE	ns	2	1
C7	22 Sep 2026	18	ADG	LAB DUPLICATE	ns	2	1
C7	28 Sep 2026	18	NCD	LAB DUPLICATE	ns	4	1
C8	01 Sep 2026	12	SS	LAB DUPLICATE	ns	2	1
C8	08 Sep 2026	12	NCD	LAB DUPLICATE	ns	2	1
C8	14 Sep 2026	12	NCD	LAB DUPLICATE	ns	2	1
C8	22 Sep 2026	12	ADG	LAB DUPLICATE	ns	2	1
C8	28 Sep 2026	12	NCD	LAB DUPLICATE	ns	2	1
D12	02 Sep 2026		ADG	FIELD DUPLICATE	20	4	1
D12	02 Sep 2026		ADG	LAB DUPLICATE	20	2	2
D12	09 Sep 2026		JF	FIELD DUPLICATE	20	34	1
D12	09 Sep 2026		JF	LAB DUPLICATE	60	28	5
D12	16 Sep 2026		NCD	LAB DUPLICATE	20	2	9
D12	16 Sep 2026		NCD	FIELD DUPLICATE	20	6	4
D12	23 Sep 2026		SS	LAB DUPLICATE	20	4	1
D12	23 Sep 2026		SS	FIELD DUPLICATE	20	6	5
D12	29 Sep 2026		SMS	FIELD DUPLICATE	20	2	3
D12	29 Sep 2026		SMS	LAB DUPLICATE	20	2	1

ns = not sampled
ND = no data

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