SD Public Utilities

SOUTH BAY OCEAN OUTFALL MONTHLY RECEIVING WATERS MONITORING REPORT

SOUTH BAY WATER RECLAMATION PLANT

NPDES Permit No. CA0109045
SDRWQCB Order No. R9-2021-0011
as amended by Order No. R9-2026-0006

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

Mr. Riley Nolan, 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 Mr. Nolan:

Enclosed is the September 2026 Monthly Receiving Waters Monitoring Report for the South Bay Ocean Outfall, South Bay Water Reclamation Plant as required per Order No. R9-2021-0011 as amended by Order No. R9-2026-0006, NPDES Permit No. CA0109045.

This report includes raw ocean monitoring data and summaries of water quality parameters and ocean conditions measured during the month for the South Bay outfall region. Also included are summaries of compliance with the bacterial water-contact standards specified in the California Ocean Plan. These data are also presented in the monthly report submitted by the International Boundary and Water Commission, U.S. Section for discharge from the South Bay International Wastewater Treatment Plant (Order No. R9-2021-0001, NPDES Permit No. CA0108928).

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 from Playa Blanco, Mexico to Coronado, USA are submitted to the San Diego Regional Water Quality Control Board and U.S. EPA Region 9 in accordance with Order No. R9-2021-0011 as amended by Order No. R9-2026-0006, NPDES Permit No. CA0109045, for the South Bay Water Reclamation Plant (SBWRP), South Bay Ocean Outfall (SBOO). 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 SBWRP are presented in separate reports.

MATERIALS AND METHODS

Shore Stations

Water quality monitoring was conducted at 11 stations located along the shore from Playa Blanca, Mexico to Coronado, USA (see station locations map). Three sites are located south of the international border (stations S0, S2, S3), while eight sites are in the United States (stations S4–S6 and S8–S12).

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

Kelp Bed Stations

Seven kelp bed and other nearshore stations (I19, I24, I25, I26, I32, I39, I40; collectively referred to as "kelp" stations herein) were sampled weekly according to NPDES permit specifications. Six stations (I19, I24, I25, I26, I32, I40) are located along the 9-m depth contour, and one (I39) is located along the 18-m depth contour. Three of these stations, I25, I26, and I39, were selected based on their proximity to suitable substrates for the Imperial Beach kelp bed (see station locations map); however, this kelp bed has been historically transient and variable in terms of size and density. Thus, these three stations are only occasionally located within an area where kelp is actually found.

Routine monitoring at each kelp site consists of collecting seawater samples at three discrete depths for bacteriological analyses (total coliforms, fecal coliforms, and *Enterococcus* bacteria) and generating water column profiles of various physical/chemical parameters, including water temperature, salinity, density, dissolved oxygen, pH, chlorophyll *a*, and transmissivity. Visual observations of weather and water conditions are also recorded at all stations.

Seawater samples at the kelp bed stations are primarily collected using a CTD-integrated rosette sampler with Niskin bottles. Aliquots for bacteriological analyses were drawn from these bottles into sterile sample bottles for processing at the City's Marine Microbiology Laboratory. Water column profiles of the various physical/chemical parameters were taken using a CTD. The CTD collected these physical/chemical data at a rate ≥ 4 scans per second. The data were then internally averaged using the CTD proprietary software, Seasoft, to create water column profiles equivalent

to one reading per meter. Additionally, CTD profile data for each water sample depth are presented with the bacteriological data.

Offshore Stations

Quarterly offshore water quality sampling is typically conducted over three days during February, May, August, and November for a total of 40 stations during each month (see station locations map). These offshore stations (I1–I40) are arranged in a grid surrounding the discharge site, and are generally located along the 9, 19, 28, 38, and 55-m depth contours. The seven offshore sites designated as kelp bed stations (described above) are included as part of the quarterly offshore water quality sampling, however the data from these seven stations are reported within the kelp bed station section of the report with the other days of kelp bed water quality sampling. Monitoring at all sites included measurements of various physical/chemical parameters, including water temperature, salinity, density, dissolved oxygen, pH, chlorophyll *a*, transmissivity, and chromomorphic dissolved organic matter (CDOM). Visual observations of weather and water conditions were also recorded at all stations. Seawater samples for the analysis of indicator bacteria were collected at 28 of the stations.

At these offshore stations, water samples for bacteriological analyses were collected using a rosette sampler with Niskin bottles. Measurements of the physical/chemical parameters listed above were taken using a Sea-Bird CTD. Additionally, CTD profile data for depths closest to those at which bacteriological samples were collected were extracted from the CTD profiles and are 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 water-contact standards specified in the 2019 California Ocean Plan (Ocean Plan). The six standards are defined as follows:

<u>Water-Contact Objectives</u>

Fecal coliform:

(1) The 30-day geometric mean (GM) of fecal coliform density not to exceed 200 CFU/100 mL, calculated based on the five most recent samples from each site
(2) The single sample maximum (SSM) not to exceed 400 CFU/100 mL

Enterococci:

(1) The six-week rolling GM of E*nterococci* not to exceed 30 CFU/100 mL, calculated weekly
(2) The statistical threshold value (STV) of 110 CFU/100 mL not to be exceeded by more than 10

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.

percent of the samples collected in a calendar month, calculated in a static manner

Shellfish Harvesting Standards

Total coliform:

(1) The median total coliform density shall not exceed 70 CFU/100 mL
(2) The STV of 230 CFU/100 mL not to be exceeded by more than 10 percent of the samples collected in a calendar month, calculated in a static manner

Compliance with the seven Ocean Plan standards are summarized below for the stations located in USA waters. In contrast, no such compliance summaries are presented for the three shore stations located in Mexican waters south of the International Border (i.e., S0, S2, and S3) since this region is not subject to the Ocean Plan standards.

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 exactly 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

- **Shoreline Water Quality Sampling**
  - Due to site access restrictions in Mexico, the South Bay shoreline sampling is typically carried out on the same day each week (i.e., Tuesday) to coordinate sampling between the Mexican and USA based stations. Seawater samples at the three shore stations located south of the USA/Mexico border (i.e., stations S0, S2 and S3) are presently collected by the Comisión Internacional de Límites y Aguas (CILA) and transported to the USIBWC for subsequent delivery to the City's Marine Microbiology Lab, while samples from the eight stations located in USA waters are sampled by City staff.
  - During September**,** seven of the eight shore stations located north of the border were out of compliance with the 2019 California Ocean Plan (Ocean Plan) water contact standards on one or more days as follows:
    - The single sample maximum (SSM) standard for fecal coliforms was exceeded at stations S9 and S11.
    - The 6-week running geometric mean standard for *Enterococcus* was exceeded at stations S5, S11, and S12.
    - The 30-day running median standard for total coliforms was exceeded at stations S4, S5, S9, S10, S11, and S12.

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

        - The statistical threshold value (STV) standard for total coliforms was exceeded at stations S5, S6, S9, S11, and S12.
    - A sewage-like odor was detected at SBOO shore stations S6 and S11 on one or more days in September.
    - Historical analyses of Ocean Plan compliance rates for the South Bay outfall shore and kelp monitoring stations, combined with the results of satellite imagery data, suggest that outflows from the Tijuana River and Los Buenos Creek, as well as surface runoff during or after rain events (storms), are likely to be the cause of impacted water quality along the shore and in near shore recreational waters in the South Bay region. 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 Water Quality Sampling**
    - The seven kelp bed water quality stations (I19, I24, I25, I26, I32, I39, I40) were sampled on September 1, 8, 14, 22, and 28.
    - During September, three of the seven kelp bed stations were out of compliance with the 2019 Ocean Plan water contact standards on one or more days as follows:
        - The STV standard for total coliforms was exceeded at stations I19, I32, and I39.
    - Water column temperatures ranged from 17.50 to 23.52°C. The difference between surface and bottom waters ranged from 0.26 to 3.15°C.
    - Concentrations of chlorophyll *a* ranged from 0.09 to 3.76 µg/L at the kelp bed stations.
    - Nothing of sewage origin was detected at SBOO kelp stations in September.

- **Offshore Water Quality Sampling**
    - Quarterly sampling was not conducted during September at the offshore stations. The next quarterly sampling is scheduled for November 2026.

TABLES AND FIGURES

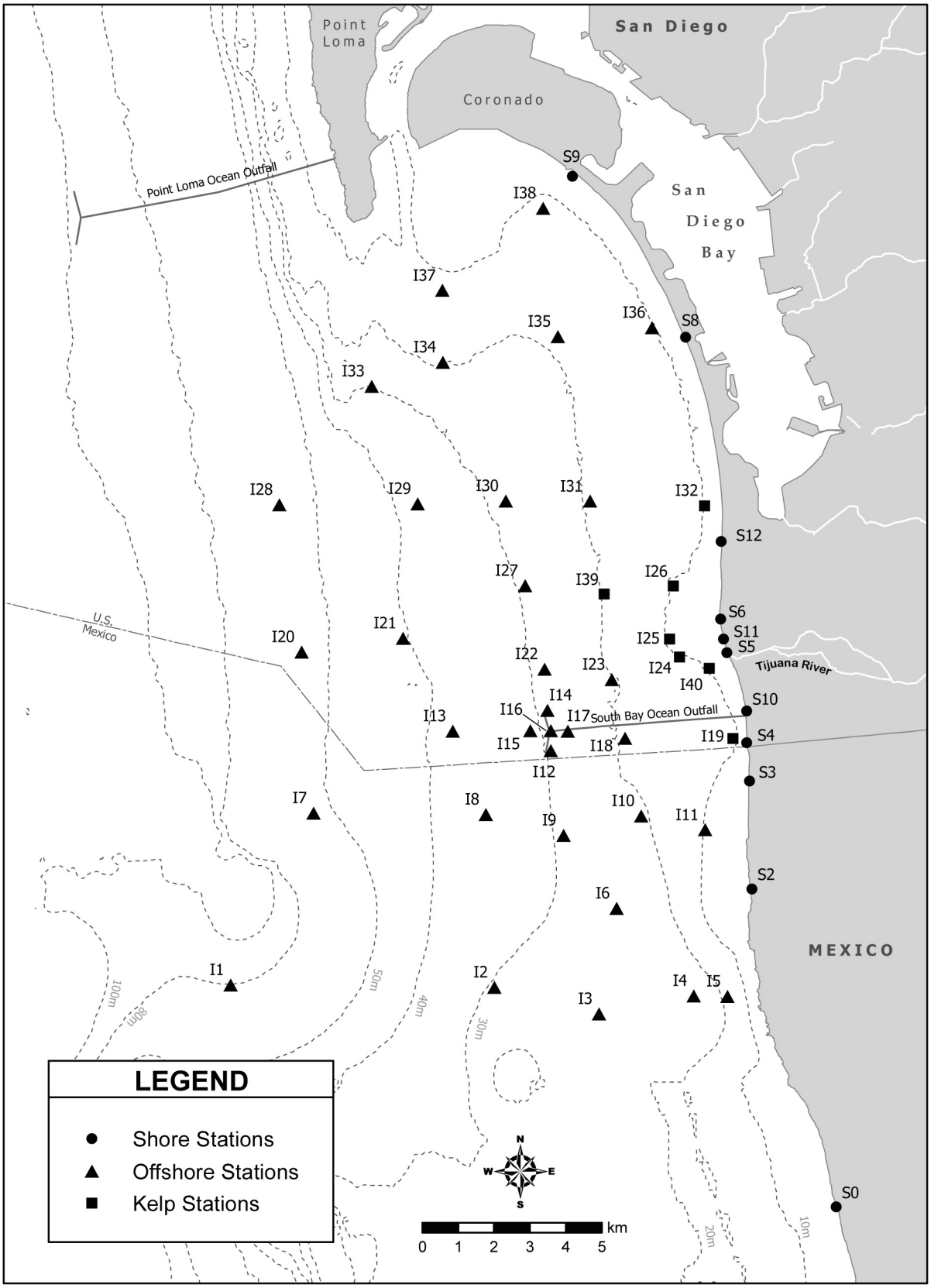


Figure 1.1 Station Map

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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 SBOO 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	S4	S5	S6	S8	S9	S10	S11	S12
01 Sep 2026	4	6	16	4	22	5	11	26
02 Sep 2026	4	6	16	4	22	5	11	26
03 Sep 2026	*4	*6	*14	*5	*40	*6	*11	*32
04 Sep 2026	*4	*6	*14	*5	*40	*6	*11	*32
05 Sep 2026	*4	*6	*14	*5	*40	*6	*11	*32
06 Sep 2026	*4	*6	*14	*5	*40	*6	*11	*32
07 Sep 2026	*4	*6	*14	*5	*40	*6	*11	*32
08 Sep 2026	5	7	13	8	35	8	10	25
09 Sep 2026	5	7	13	8	35	8	10	25
10 Sep 2026	*5	*4	*4	*6	*51	*8	*6	*9
11 Sep 2026	*5	*4	*4	*6	*51	*8	*6	*9
12 Sep 2026	*5	*4	*4	*6	*51	*8	*6	*9
13 Sep 2026	*5	*4	*4	*6	*51	*8	*6	*9
14 Sep 2026	*5	*4	*4	*6	*51	*8	*6	*9
15 Sep 2026	4	4	3	5	35	6	5	6
16 Sep 2026	4	4	3	5	35	6	5	6
17 Sep 2026	*5	*4	*4	*6	*40	*7	*5	*9
18 Sep 2026	*5	*4	*4	*6	*40	*7	*5	*9
19 Sep 2026	*5	*4	*4	*6	*40	*7	*5	*9
20 Sep 2026	*5	*4	*4	*6	*40	*7	*5	*9
21 Sep 2026	*5	*4	*4	*6	*40	*7	*5	*9
22 Sep 2026	4	6	4	5	22	5	7	6
23 Sep 2026	4	6	4	5	22	5	7	6
24 Sep 2026	*4	*6	*4	*4	*22	*4	*7	*5
25 Sep 2026	*4	*6	*4	*4	*22	*4	*7	*5
26 Sep 2026	*4	*6	*4	*4	*22	*4	*7	*5
27 Sep 2026	*4	*6	*4	*4	*22	*4	*7	*5
28 Sep 2026	*4	*6	*4	*4	*22	*4	*7	*5
29 Sep 2026	*4	*6	*4	*4	*22	*4	*7	*5
30 Sep 2026	4	13	8	4	13	5	25	10

* Geometric mean calculated using n<5

Table 2.2

Summary of compliance at the SBOO 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	S4	S5	S6	S8	S9	S10	S11	S12
01 Sep 2026	IC	IC	IC	IC	**E**	IC	IC	IC
08 Sep 2026	IC	IC	IC	IC	IC	IC	IC	IC
15 Sep 2026	IC	IC	IC	IC	IC	IC	IC	IC
22 Sep 2026	IC	IC	IC	IC	IC	IC	IC	IC
30 Sep 2026	IC	IC	IC	IC	IC	IC	**E**	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 SBOO 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	S4	S5	S6	S8	S9	S10	S11	S12
01 Sep 2026	7	**44**	25	3	14	9	**35**	**42**
02 Sep 2026	7	**44**	25	3	14	9	**35**	**42**
03 Sep 2026	7	**44**	25	3	14	9	**35**	**42**
04 Sep 2026	7	**44**	25	3	14	9	**35**	**42**
05 Sep 2026	7	**44**	25	3	14	9	**35**	**42**
06 Sep 2026	7	**44**	25	3	14	9	**35**	**42**
07 Sep 2026	7	**44**	25	3	14	9	**35**	**42**
08 Sep 2026	8	**44**	29	5	12	10	**35**	**38**
09 Sep 2026	8	**44**	29	5	12	10	**35**	**38**
10 Sep 2026	8	**44**	29	5	12	10	**35**	**38**
11 Sep 2026	8	**44**	29	5	12	10	**35**	**38**
12 Sep 2026	8	**44**	29	5	12	10	**35**	**38**
13 Sep 2026	8	**44**	29	5	12	10	**35**	**38**
14 Sep 2026	8	**44**	29	5	12	10	**35**	**38**
15 Sep 2026	8	26	15	6	12	13	16	23
16 Sep 2026	8	26	15	6	12	13	16	23
17 Sep 2026	8	26	15	6	12	13	16	23
18 Sep 2026	8	26	15	6	12	13	16	23
19 Sep 2026	8	26	15	6	12	13	16	23
20 Sep 2026	8	26	15	6	12	13	16	23
21 Sep 2026	8	26	15	6	12	13	16	23
22 Sep 2026	5	22	6	6	9	8	11	11
23 Sep 2026	5	22	6	6	9	8	11	11
24 Sep 2026	5	22	6	6	9	8	11	11
25 Sep 2026	5	22	6	6	9	8	11	11
26 Sep 2026	5	22	6	6	9	8	11	11
27 Sep 2026	5	22	6	6	9	8	11	11
28 Sep 2026	5	22	6	6	9	8	11	11
29 Sep 2026	6	23	8	7	11	9	13	15
30 Sep 2026	6	20	7	6	9	9	18	16

* Geometric mean calculated using n<5

Table 2.4

Summary of compliance at the SBOO 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	S4	S5	S6	S8	S9	S10	S11	S12
September	IC	IC	IC	IC	IC	IC	IC	IC

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

Table 2.5

Summary of compliance with the Ocean Plan's 30-day Median standard for total coliform bacteria at the SBOO 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	S4	S5	S6	S8	S9	S10	S11	S12
01 Sep 2026	20	60	20	20	**200**	40	60	**120**
02 Sep 2026	20	60	20	20	**200**	40	60	**120**
03 Sep 2026	*40	*50	*20	*20	***200**	*50	*40	***200**
04 Sep 2026	*40	*50	*20	*20	***200**	*50	*40	***200**
05 Sep 2026	*40	*50	*20	*20	***200**	*50	*40	***200**
06 Sep 2026	*40	*50	*20	*20	***200**	*50	*40	***200**
07 Sep 2026	*40	*50	*20	*20	***200**	*50	*40	***200**
08 Sep 2026	60	60	20	20	**200**	60	60	**80**
09 Sep 2026	60	60	20	20	**200**	60	60	**80**
10 Sep 2026	***80**	*50	*20	*20	***200**	***120**	*40	*60
11 Sep 2026	***80**	*50	*20	*20	***200**	***120**	*40	*60
12 Sep 2026	***80**	*50	*20	*20	***200**	***120**	*40	*60
13 Sep 2026	***80**	*50	*20	*20	***200**	***120**	*40	*60
14 Sep 2026	***80**	*50	*20	*20	***200**	***120**	*40	*60
15 Sep 2026	20	40	20	20	**200**	60	60	40
16 Sep 2026	20	40	20	20	**200**	60	60	40
17 Sep 2026	***80**	*40	*30	*20	***200**	***100**	*70	*60
18 Sep 2026	***80**	*40	*30	*20	***200**	***100**	*70	*60
19 Sep 2026	***80**	*40	*30	*20	***200**	***100**	*70	*60
20 Sep 2026	***80**	*40	*30	*20	***200**	***100**	*70	*60
21 Sep 2026	***80**	*40	*30	*20	***200**	***100**	*70	*60
22 Sep 2026	20	60	40	20	**200**	20	**80**	40
23 Sep 2026	20	60	40	20	**200**	20	**80**	40
24 Sep 2026	*20	*70	*40	*20	***110**	*20	***80**	*30
25 Sep 2026	*20	*70	*40	*20	***110**	*20	***80**	*30
26 Sep 2026	*20	*70	*40	*20	***110**	*20	***80**	*30
27 Sep 2026	*20	*70	*40	*20	***110**	*20	***80**	*30
28 Sep 2026	*20	*70	*40	*20	***110**	*20	***80**	*30
29 Sep 2026	*20	*70	*40	*20	***110**	*20	***80**	*30
30 Sep 2026	20	**120**	40	20	20	20	**80**	40

* Median calculated using n<5

Table 2.6

Summary of compliance at the SBOO 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	S4	S5	S6	S8	S9	S10	S11	S12
September	IC	**E**	**E**	IC	**E**	IC	**E**	**E**

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

Table 2.7

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

Station	Date	Time	Total	Fecal	Entero
S0	01 Sep 2026	905	<20	10e	2e
S0	08 Sep 2026	920	440	40e	220e
S0	15 Sep 2026	710	12000	5400	2000e
S0	22 Sep 2026	910	5800	2600e	1000
S0	30 Sep 2026	1045	440	60	120e
S10	01 Sep 2026	723	<20	<2	<2
S10	08 Sep 2026	839	180e	34e	18e
S10	15 Sep 2026	819	<20	<2	14e
S10	22 Sep 2026	914	<20	2e	2e
S10	30 Sep 2026	829	40e	16e	12e
S11	01 Sep 2026	808	<20	6e	22e
S11	08 Sep 2026	850	80e	6e	30e
S11	15 Sep 2026	749	<200	<2	2e
S11	22 Sep 2026	840	80e	32e	4e
S11	30 Sep 2026	908	11000	4200	80e
S12	01 Sep 2026	839	40e	14e	14e
S12	08 Sep 2026	922	80e	10e	70
S12	15 Sep 2026	819	<20	2e	2e
S12	22 Sep 2026	913	20e	2e	4e
S12	30 Sep 2026	801	1200e	180e	28e
S2	01 Sep 2026	1010	80e	6e	16e
S2	08 Sep 2026	1025	360e	40e	36e
S2	15 Sep 2026	830	9200	2600e	1100
S2	22 Sep 2026	1015	<20	<2	<2
S2	30 Sep 2026	1020	<200	36e	80
S3	01 Sep 2026	940	40e	4e	<2
S3	08 Sep 2026	950	80e	10e	4e
S3	15 Sep 2026	805	<200	<2	6e
S3	22 Sep 2026	945	<20	<2	4e
S3	30 Sep 2026	955	<20	2e	34e
S4	01 Sep 2026	741	20e	<2	2e
S4	08 Sep 2026	902	140e	20e	26e
S4	15 Sep 2026	838	<20	<2	<2
S4	22 Sep 2026	936	<20	<2	<2
S4	30 Sep 2026	853	20e	8e	6e
S5	01 Sep 2026	748	20e	2e	22e
S5	08 Sep 2026	831	120e	14e	34e
S5	15 Sep 2026	730	<20	<2	4e
S5	22 Sep 2026	821	160e	30e	24e
S5	30 Sep 2026	845	1000e	220e	12e
S6	01 Sep 2026	820	<20	<2	4e
S6	08 Sep 2026	901	100e	12e	26e
S6	15 Sep 2026	803	40e	<2	2e
S6	22 Sep 2026	852	40e	6e	<2
S6	30 Sep 2026	921	400e	140e	4e

Station	Date	Time	Total	Fecal	Entero
S8	01 Sep 2026	841	<20	<2	<2
S8	08 Sep 2026	734	200e	40e	38e
S8	15 Sep 2026	730	<20	2e	8e
S8	22 Sep 2026	816	<20	2e	2e
S8	30 Sep 2026	746	<20	<2	2e
S9	01 Sep 2026	632	580	680	46
S9	08 Sep 2026	712	<200	<20	10e
S9	15 Sep 2026	705	20e	8e	2e
S9	22 Sep 2026	750	<20	2e	2e
S9	30 Sep 2026	727	<20	2e	4e

ns = not sampled
ND = no data

Table 2.8

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

Station	Date	Parameter	Value
S0	01 Sep 2026	Arrive Time	905
S0	01 Sep 2026	Wind Speed (kts)	1
S0	01 Sep 2026	Wind Dir	NE
S0	01 Sep 2026	Animal Life	
S0	01 Sep 2026	Floatables	
S0	01 Sep 2026	Current Direction	N
S0	01 Sep 2026	Water Temp (C)	15
S0	01 Sep 2026	High Tide Time	1201
S0	01 Sep 2026	Low Tide Time	538
S0	01 Sep 2026	Comments	Water clear; Trash-0; Kelp; Person/Walker/Jogger-4; 0.5 L/s water flowing from storm drain
S0	08 Sep 2026	Arrive Time	920
S0	08 Sep 2026	Wind Speed (kts)	1.2
S0	08 Sep 2026	Wind Dir	NE
S0	08 Sep 2026	Animal Life	Bird-10; Dog-1;
S0	08 Sep 2026	Floatables	
S0	08 Sep 2026	Current Direction	N
S0	08 Sep 2026	Water Temp (C)	16
S0	08 Sep 2026	High Tide Time	826
S0	08 Sep 2026	Low Tide Time	212
S0	08 Sep 2026	Comments	Water clear; Trash-0; Kelp; Person/Walker/Jogger-10; 0.5 L/s water flowing from storm drain
S0	15 Sep 2026	Arrive Time	710
S0	15 Sep 2026	Wind Speed (kts)	1.1
S0	15 Sep 2026	Wind Dir	SE
S0	15 Sep 2026	Animal Life	Bird-20;
S0	15 Sep 2026	Floatables	
S0	15 Sep 2026	Current Direction	S
S0	15 Sep 2026	Water Temp (C)	15
S0	15 Sep 2026	High Tide Time	6
S0	15 Sep 2026	Low Tide Time	526
S0	15 Sep 2026	Comments	Water turbid; Trash-4; Kelp; 2.0 L/s water flowing from storm drain
S0	22 Sep 2026	Arrive Time	910
S0	22 Sep 2026	Wind Speed (kts)	1
S0	22 Sep 2026	Wind Dir	NE
S0	22 Sep 2026	Animal Life	Dog-1; Seagull-10;
S0	22 Sep 2026	Floatables	
S0	22 Sep 2026	Current Direction	S
S0	22 Sep 2026	Water Temp (C)	16
S0	22 Sep 2026	High Tide Time	800
S0	22 Sep 2026	Low Tide Time	139
S0	22 Sep 2026	Comments	Water clear; Trash-2; Kelp;Algae; Person/Walker/Jogger-5; 0.5 L/s flowing from storm drain
S0	30 Sep 2026	Arrive Time	1045
S0	30 Sep 2026	Wind Speed (kts)	1.5
S0	30 Sep 2026	Wind Dir	NE
S0	30 Sep 2026	Animal Life	Bird-10; Dog-1;
S0	30 Sep 2026	Floatables	
S0	30 Sep 2026	Current Direction	S
S0	30 Sep 2026	Water Temp (C)	15
S0	30 Sep 2026	High Tide Time	1122

Station	Date	Parameter	Value
S0	30 Sep 2026	Low Tide Time	458
S0	30 Sep 2026	Comments	Water clear; Trash-0; Kelp; Person/Walker/Jogger-5; 0.5 L/s water flowing from storm drain
S2	01 Sep 2026	Arrive Time	1010
S2	01 Sep 2026	Wind Speed (kts)	1.3
S2	01 Sep 2026	Wind Dir	NE
S2	01 Sep 2026	Animal Life	Bird-10; Dog-2;
S2	01 Sep 2026	Floatables	
S2	01 Sep 2026	Current Direction	N
S2	01 Sep 2026	Water Temp (C)	15
S2	01 Sep 2026	High Tide Time	1201
S2	01 Sep 2026	Low Tide Time	538
S2	01 Sep 2026	Comments	Water clear; Trash-0; Kelp; Person/Walker/Jogger-10; No flow from storm drain
S2	08 Sep 2026	Arrive Time	1025
S2	08 Sep 2026	Wind Speed (kts)	1.1
S2	08 Sep 2026	Wind Dir	NE
S2	08 Sep 2026	Animal Life	Bird-10; Dog-2;
S2	08 Sep 2026	Floatables	
S2	08 Sep 2026	Current Direction	N
S2	08 Sep 2026	Water Temp (C)	16
S2	08 Sep 2026	High Tide Time	826
S2	08 Sep 2026	Low Tide Time	212
S2	08 Sep 2026	Comments	Water clear; Trash-0; Kelp; Person/Walker/Jogger-10; No flow from storm drain
S2	15 Sep 2026	Arrive Time	830
S2	15 Sep 2026	Wind Speed (kts)	1.3
S2	15 Sep 2026	Wind Dir	SE
S2	15 Sep 2026	Animal Life	Bird-20;
S2	15 Sep 2026	Floatables	
S2	15 Sep 2026	Current Direction	S
S2	15 Sep 2026	Water Temp (C)	15
S2	15 Sep 2026	High Tide Time	6
S2	15 Sep 2026	Low Tide Time	526
S2	15 Sep 2026	Comments	Water turbid; Trash-0; No flow from storm drain
S2	22 Sep 2026	Arrive Time	1015
S2	22 Sep 2026	Wind Speed (kts)	1.1
S2	22 Sep 2026	Wind Dir	NE
S2	22 Sep 2026	Animal Life	Dog-2; Seagull-10;
S2	22 Sep 2026	Floatables	
S2	22 Sep 2026	Current Direction	S
S2	22 Sep 2026	Water Temp (C)	16
S2	22 Sep 2026	High Tide Time	800
S2	22 Sep 2026	Low Tide Time	139
S2	22 Sep 2026	Comments	Water clear; Trash-1; Kelp;Algae; Person/Walker/Jogger-10; No flow from storm drain
S2	30 Sep 2026	Arrive Time	1020
S2	30 Sep 2026	Wind Speed (kts)	1.3
S2	30 Sep 2026	Wind Dir	NE
S2	30 Sep 2026	Animal Life	Bird-10; Dog-4;
S2	30 Sep 2026	Floatables	
S2	30 Sep 2026	Current Direction	S
S2	30 Sep 2026	Water Temp (C)	15
S2	30 Sep 2026	High Tide Time	1122
S2	30 Sep 2026	Low Tide Time	458

Station	Date	Parameter	Value
S2	30 Sep 2026	Comments	Water clear; Trash-0; Kelp; Person/Walker/Jogger-10; No flow from storm drain
S3	01 Sep 2026	Arrive Time	940
S3	01 Sep 2026	Wind Speed (kts)	1.1
S3	01 Sep 2026	Wind Dir	NE
S3	01 Sep 2026	Animal Life	Bird-10; Dog-4;
S3	01 Sep 2026	Floatables	
S3	01 Sep 2026	Current Direction	N
S3	01 Sep 2026	Water Temp (C)	15
S3	01 Sep 2026	High Tide Time	1201
S3	01 Sep 2026	Low Tide Time	538
S3	01 Sep 2026	Comments	Water clear; Trash-0; Kelp; Person/Walker/Jogger-10; No flow from storm drain
S3	08 Sep 2026	Arrive Time	950
S3	08 Sep 2026	Wind Speed (kts)	1
S3	08 Sep 2026	Wind Dir	NE
S3	08 Sep 2026	Animal Life	Bird-10; Dog-2;
S3	08 Sep 2026	Floatables	
S3	08 Sep 2026	Current Direction	N
S3	08 Sep 2026	Water Temp (C)	16
S3	08 Sep 2026	High Tide Time	826
S3	08 Sep 2026	Low Tide Time	212
S3	08 Sep 2026	Comments	Water clear; Trash-0; Kelp; Person/Walker/Jogger-10; No flow from storm drain
S3	15 Sep 2026	Arrive Time	805
S3	15 Sep 2026	Wind Speed (kts)	1.6
S3	15 Sep 2026	Wind Dir	SE
S3	15 Sep 2026	Animal Life	Bird-20;
S3	15 Sep 2026	Floatables	
S3	15 Sep 2026	Current Direction	S
S3	15 Sep 2026	Water Temp (C)	15
S3	15 Sep 2026	High Tide Time	6
S3	15 Sep 2026	Low Tide Time	526
S3	15 Sep 2026	Comments	Water turbid; Trash-0; Kelp; No flow from storm drain
S3	22 Sep 2026	Arrive Time	945
S3	22 Sep 2026	Wind Speed (kts)	1
S3	22 Sep 2026	Wind Dir	NE
S3	22 Sep 2026	Animal Life	Dog-3; Seagull-10;
S3	22 Sep 2026	Floatables	
S3	22 Sep 2026	Current Direction	S
S3	22 Sep 2026	Water Temp (C)	16
S3	22 Sep 2026	High Tide Time	800
S3	22 Sep 2026	Low Tide Time	139
S3	22 Sep 2026	Comments	Water clear; Trash-1; Kelp;Algae; Person/Walker/Jogger-10; No flow from storm drain
S3	30 Sep 2026	Arrive Time	955
S3	30 Sep 2026	Wind Speed (kts)	1.1
S3	30 Sep 2026	Wind Dir	NE
S3	30 Sep 2026	Animal Life	Bird-10; Dog-2;
S3	30 Sep 2026	Floatables	
S3	30 Sep 2026	Current Direction	N
S3	30 Sep 2026	Water Temp (C)	15
S3	30 Sep 2026	High Tide Time	1122
S3	30 Sep 2026	Low Tide Time	458
S3	30 Sep 2026	Comments	Water clear; Trash-0; Kelp; Person/Walker/Jogger-10; No flow from storm drain

Station	Date	Parameter	Value
S4	01 Sep 2026	Arrive Time	741
S4	01 Sep 2026	Wind Speed (kts)	1.8
S4	01 Sep 2026	Wind Dir	N
S4	01 Sep 2026	Animal Life	Bird-15; Pelican-20; Seagull-20;
S4	01 Sep 2026	Floatables	
S4	01 Sep 2026	Current Direction	S
S4	01 Sep 2026	Water Temp (C)	19.1
S4	01 Sep 2026	High Tide Time	1201
S4	01 Sep 2026	Low Tide Time	538
S4	01 Sep 2026	Comments	Water clear; Trash-4; Kelp;Seagrass
S4	08 Sep 2026	Arrive Time	902
S4	08 Sep 2026	Wind Speed (kts)	0
S4	08 Sep 2026	Wind Dir	XX
S4	08 Sep 2026	Animal Life	Bird-12;
S4	08 Sep 2026	Floatables	
S4	08 Sep 2026	Current Direction	S
S4	08 Sep 2026	Water Temp (C)	16.6
S4	08 Sep 2026	High Tide Time	826
S4	08 Sep 2026	Low Tide Time	212
S4	08 Sep 2026	Comments	Water clear; Trash-5; Kelp;Seagrass
S4	15 Sep 2026	Arrive Time	838
S4	15 Sep 2026	Wind Speed (kts)	3.7
S4	15 Sep 2026	Wind Dir	S
S4	15 Sep 2026	Animal Life	Bird-12;
S4	15 Sep 2026	Floatables	
S4	15 Sep 2026	Current Direction	S
S4	15 Sep 2026	Water Temp (C)	21.7
S4	15 Sep 2026	High Tide Time	6
S4	15 Sep 2026	Low Tide Time	526
S4	15 Sep 2026	Comments	Water clear; Trash-3; Kelp;Seagrass
S4	22 Sep 2026	Arrive Time	936
S4	22 Sep 2026	Wind Speed (kts)	3.3
S4	22 Sep 2026	Wind Dir	N
S4	22 Sep 2026	Animal Life	Bird-4; Pelican-3; Seagull-5;
S4	22 Sep 2026	Floatables	
S4	22 Sep 2026	Current Direction	S
S4	22 Sep 2026	Water Temp (C)	20.7
S4	22 Sep 2026	High Tide Time	800
S4	22 Sep 2026	Low Tide Time	139
S4	22 Sep 2026	Comments	Water clear; Trash-4; Kelp;Seagrass
S4	30 Sep 2026	Arrive Time	853
S4	30 Sep 2026	Wind Speed (kts)	4.5
S4	30 Sep 2026	Wind Dir	SW
S4	30 Sep 2026	Animal Life	
S4	30 Sep 2026	Floatables	
S4	30 Sep 2026	Current Direction	S
S4	30 Sep 2026	Water Temp (C)	21.5
S4	30 Sep 2026	High Tide Time	1122
S4	30 Sep 2026	Low Tide Time	458
S4	30 Sep 2026	Comments	Water clear; Trash-5; Kelp;Seagrass
S10	01 Sep 2026	Arrive Time	723
S10	01 Sep 2026	Wind Speed (kts)	1.3
S10	01 Sep 2026	Wind Dir	N
S10	01 Sep 2026	Animal Life	
S10	01 Sep 2026	Floatables	

Station	Date	Parameter	Value
S10	01 Sep 2026	Current Direction	S
S10	01 Sep 2026	Water Temp (C)	19.7
S10	01 Sep 2026	High Tide Time	1201
S10	01 Sep 2026	Low Tide Time	538
S10	01 Sep 2026	Comments	Water clear; Trash-5; Kelp;Seagrass
S10	08 Sep 2026	Arrive Time	839
S10	08 Sep 2026	Wind Speed (kts)	4.5
S10	08 Sep 2026	Wind Dir	W
S10	08 Sep 2026	Animal Life	Bird-3;
S10	08 Sep 2026	Floatables	
S10	08 Sep 2026	Current Direction	S
S10	08 Sep 2026	Water Temp (C)	16.8
S10	08 Sep 2026	High Tide Time	826
S10	08 Sep 2026	Low Tide Time	212
S10	08 Sep 2026	Comments	Water clear; Trash-5; Kelp;Seagrass
S10	15 Sep 2026	Arrive Time	819
S10	15 Sep 2026	Wind Speed (kts)	5.5
S10	15 Sep 2026	Wind Dir	S
S10	15 Sep 2026	Animal Life	
S10	15 Sep 2026	Floatables	
S10	15 Sep 2026	Current Direction	S
S10	15 Sep 2026	Water Temp (C)	31.8
S10	15 Sep 2026	High Tide Time	6
S10	15 Sep 2026	Low Tide Time	526
S10	15 Sep 2026	Comments	Water clear; Trash-1; Kelp;Seagrass
S10	22 Sep 2026	Arrive Time	914
S10	22 Sep 2026	Wind Speed (kts)	4.3
S10	22 Sep 2026	Wind Dir	N
S10	22 Sep 2026	Animal Life	
S10	22 Sep 2026	Floatables	
S10	22 Sep 2026	Current Direction	S
S10	22 Sep 2026	Water Temp (C)	20.4
S10	22 Sep 2026	High Tide Time	800
S10	22 Sep 2026	Low Tide Time	139
S10	22 Sep 2026	Comments	Water clear; Trash-5; Kelp;Seagrass
S10	30 Sep 2026	Arrive Time	829
S10	30 Sep 2026	Wind Speed (kts)	3.4
S10	30 Sep 2026	Wind Dir	W
S10	30 Sep 2026	Animal Life	
S10	30 Sep 2026	Floatables	
S10	30 Sep 2026	Current Direction	S
S10	30 Sep 2026	Water Temp (C)	21.4
S10	30 Sep 2026	High Tide Time	1122
S10	30 Sep 2026	Low Tide Time	458
S10	30 Sep 2026	Comments	Water clear; Trash-5; Kelp;Seagrass
S5	01 Sep 2026	Arrive Time	748
S5	01 Sep 2026	Wind Speed (kts)	2.5
S5	01 Sep 2026	Wind Dir	SE
S5	01 Sep 2026	Animal Life	Bird-10;
S5	01 Sep 2026	Floatables	
S5	01 Sep 2026	Current Direction	S
S5	01 Sep 2026	Water Temp (C)	20.8
S5	01 Sep 2026	High Tide Time	1201
S5	01 Sep 2026	Low Tide Time	538
S5	01 Sep 2026	Comments	Water clear; Trash-3; Kelp;Seagrass

Station	Date	Parameter	Value
S5	08 Sep 2026	Arrive Time	831
S5	08 Sep 2026	Wind Speed (kts)	5.1
S5	08 Sep 2026	Wind Dir	W
S5	08 Sep 2026	Animal Life	Bird-5;
S5	08 Sep 2026	Floatables	
S5	08 Sep 2026	Current Direction	S
S5	08 Sep 2026	Water Temp (C)	17.8
S5	08 Sep 2026	High Tide Time	826
S5	08 Sep 2026	Low Tide Time	212
S5	08 Sep 2026	Comments	Water clear; Trash-3; Kelp;Seagrass; Person/Walker/Jogger-3
S5	15 Sep 2026	Arrive Time	730
S5	15 Sep 2026	Wind Speed (kts)	2.4
S5	15 Sep 2026	Wind Dir	SW
S5	15 Sep 2026	Animal Life	Bird-5;
S5	15 Sep 2026	Floatables	Foam
S5	15 Sep 2026	Current Direction	S
S5	15 Sep 2026	Water Temp (C)	23.1
S5	15 Sep 2026	High Tide Time	6
S5	15 Sep 2026	Low Tide Time	526
S5	15 Sep 2026	Comments	Water clear; Trash-4; Kelp;Seagrass
S5	22 Sep 2026	Arrive Time	821
S5	22 Sep 2026	Wind Speed (kts)	4.5
S5	22 Sep 2026	Wind Dir	N
S5	22 Sep 2026	Animal Life	Bird-10;
S5	22 Sep 2026	Floatables	
S5	22 Sep 2026	Current Direction	S
S5	22 Sep 2026	Water Temp (C)	22.3
S5	22 Sep 2026	High Tide Time	800
S5	22 Sep 2026	Low Tide Time	139
S5	22 Sep 2026	Comments	Water clear; Trash-3; Kelp;Seagrass; Person/Walker/Jogger-1
S5	30 Sep 2026	Arrive Time	845
S5	30 Sep 2026	Wind Speed (kts)	6.6
S5	30 Sep 2026	Wind Dir	SW
S5	30 Sep 2026	Animal Life	
S5	30 Sep 2026	Floatables	
S5	30 Sep 2026	Current Direction	N
S5	30 Sep 2026	Water Temp (C)	22.4
S5	30 Sep 2026	High Tide Time	1122
S5	30 Sep 2026	Low Tide Time	458
S5	30 Sep 2026	Comments	Water clear; Trash-4; Kelp;Seagrass;Algae;Debris
S11	01 Sep 2026	Arrive Time	808
S11	01 Sep 2026	Wind Speed (kts)	0.5
S11	01 Sep 2026	Wind Dir	E
S11	01 Sep 2026	Animal Life	Bird-1; Dog-1;
S11	01 Sep 2026	Floatables	
S11	01 Sep 2026	Current Direction	S
S11	01 Sep 2026	Water Temp (C)	21.1
S11	01 Sep 2026	High Tide Time	1201
S11	01 Sep 2026	Low Tide Time	538
S11	01 Sep 2026	Comments	Water clear; Trash-3; Kelp;Seagrass; Person/Walker/Jogger-1
S11	08 Sep 2026	Arrive Time	850
S11	08 Sep 2026	Wind Speed (kts)	4.1
S11	08 Sep 2026	Wind Dir	NW

Station	Date	Parameter	Value
S11	08 Sep 2026	Animal Life	Bird-3;
S11	08 Sep 2026	Floatables	Foam
S11	08 Sep 2026	Current Direction	S
S11	08 Sep 2026	Water Temp (C)	18.4
S11	08 Sep 2026	High Tide Time	826
S11	08 Sep 2026	Low Tide Time	212
S11	08 Sep 2026	Comments	Water clear; Trash-3; Kelp;Seagrass; Person/Walker/Jogger-1
S11	15 Sep 2026	Arrive Time	749
S11	15 Sep 2026	Wind Speed (kts)	4.8
S11	15 Sep 2026	Wind Dir	SW
S11	15 Sep 2026	Animal Life	
S11	15 Sep 2026	Floatables	Foam
S11	15 Sep 2026	Current Direction	S
S11	15 Sep 2026	Water Temp (C)	22.3
S11	15 Sep 2026	High Tide Time	6
S11	15 Sep 2026	Low Tide Time	526
S11	15 Sep 2026	Comments	Water clear; Trash-4; Kelp;Seagrass; Person/Walker/Jogger-3
S11	22 Sep 2026	Arrive Time	840
S11	22 Sep 2026	Wind Speed (kts)	5.4
S11	22 Sep 2026	Wind Dir	NW
S11	22 Sep 2026	Animal Life	Bird-15;
S11	22 Sep 2026	Floatables	
S11	22 Sep 2026	Current Direction	S
S11	22 Sep 2026	Water Temp (C)	21.4
S11	22 Sep 2026	High Tide Time	800
S11	22 Sep 2026	Low Tide Time	139
S11	22 Sep 2026	Comments	Water clear; Trash-3; Kelp;Seagrass; Person/Walker/Jogger-2
S11	30 Sep 2026	Arrive Time	908
S11	30 Sep 2026	Wind Speed (kts)	5.9
S11	30 Sep 2026	Wind Dir	SW
S11	30 Sep 2026	Animal Life	
S11	30 Sep 2026	Floatables	Foam
S11	30 Sep 2026	Current Direction	N
S11	30 Sep 2026	Water Temp (C)	15.4
S11	30 Sep 2026	High Tide Time	1122
S11	30 Sep 2026	Low Tide Time	458
S11	30 Sep 2026	Comments	Water clear; Trash-3; Algae;Kelp;Seagrass; Sewage-like odor
S6	01 Sep 2026	Arrive Time	820
S6	01 Sep 2026	Wind Speed (kts)	0
S6	01 Sep 2026	Wind Dir	XX
S6	01 Sep 2026	Animal Life	Bird-3;
S6	01 Sep 2026	Floatables	
S6	01 Sep 2026	Current Direction	S
S6	01 Sep 2026	Water Temp (C)	21
S6	01 Sep 2026	High Tide Time	1201
S6	01 Sep 2026	Low Tide Time	538
S6	01 Sep 2026	Comments	Water clear; Surfer/Paddle boarder-2; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-1
S6	08 Sep 2026	Arrive Time	901
S6	08 Sep 2026	Wind Speed (kts)	1.9
S6	08 Sep 2026	Wind Dir	NW
S6	08 Sep 2026	Animal Life	
S6	08 Sep 2026	Floatables	Foam

Station	Date	Parameter	Value
S6	08 Sep 2026	Current Direction	S
S6	08 Sep 2026	Water Temp (C)	19.1
S6	08 Sep 2026	High Tide Time	826
S6	08 Sep 2026	Low Tide Time	212
S6	08 Sep 2026	Comments	Water clear; Trash-3; Kelp;Seagrass; Person/Walker/Jogger-1
S6	15 Sep 2026	Arrive Time	803
S6	15 Sep 2026	Wind Speed (kts)	5.3
S6	15 Sep 2026	Wind Dir	SW
S6	15 Sep 2026	Animal Life	Bird-6;
S6	15 Sep 2026	Floatables	Foam
S6	15 Sep 2026	Current Direction	S
S6	15 Sep 2026	Water Temp (C)	22.2
S6	15 Sep 2026	High Tide Time	6
S6	15 Sep 2026	Low Tide Time	526
S6	15 Sep 2026	Comments	Water clear; Trash-4; Kelp;Seagrass; Person/Walker/Jogger-2
S6	22 Sep 2026	Arrive Time	852
S6	22 Sep 2026	Wind Speed (kts)	1.4
S6	22 Sep 2026	Wind Dir	NE
S6	22 Sep 2026	Animal Life	Bird-3;
S6	22 Sep 2026	Floatables	
S6	22 Sep 2026	Current Direction	S
S6	22 Sep 2026	Water Temp (C)	22.1
S6	22 Sep 2026	High Tide Time	800
S6	22 Sep 2026	Low Tide Time	139
S6	22 Sep 2026	Comments	Water clear; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-3
S6	30 Sep 2026	Arrive Time	921
S6	30 Sep 2026	Wind Speed (kts)	4.3
S6	30 Sep 2026	Wind Dir	N
S6	30 Sep 2026	Animal Life	
S6	30 Sep 2026	Floatables	
S6	30 Sep 2026	Current Direction	N
S6	30 Sep 2026	Water Temp (C)	21.3
S6	30 Sep 2026	High Tide Time	1122
S6	30 Sep 2026	Low Tide Time	458
S6	30 Sep 2026	Comments	Water clear; Trash-3; Kelp;Seagrass;Algae;Debris; Sewage-like odor
S12	01 Sep 2026	Arrive Time	839
S12	01 Sep 2026	Wind Speed (kts)	1.1
S12	01 Sep 2026	Wind Dir	W
S12	01 Sep 2026	Animal Life	Bird-104; Dog-1;
S12	01 Sep 2026	Floatables	
S12	01 Sep 2026	Current Direction	S
S12	01 Sep 2026	Water Temp (C)	21.1
S12	01 Sep 2026	High Tide Time	1201
S12	01 Sep 2026	Low Tide Time	538
S12	01 Sep 2026	Comments	Water clear; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-4
S12	08 Sep 2026	Arrive Time	922
S12	08 Sep 2026	Wind Speed (kts)	0.1
S12	08 Sep 2026	Wind Dir	SW
S12	08 Sep 2026	Animal Life	Dog-1;
S12	08 Sep 2026	Floatables	Foam
S12	08 Sep 2026	Current Direction	S

Station	Date	Parameter	Value
S12	08 Sep 2026	Water Temp (C)	19.4
S12	08 Sep 2026	High Tide Time	826
S12	08 Sep 2026	Low Tide Time	212
S12	08 Sep 2026	Comments	Water clear; Trash-3; Kelp;Seagrass; Person/Walker/Jogger-2
S12	15 Sep 2026	Arrive Time	819
S12	15 Sep 2026	Wind Speed (kts)	4.2
S12	15 Sep 2026	Wind Dir	SW
S12	15 Sep 2026	Animal Life	Bird-12;
S12	15 Sep 2026	Floatables	Foam
S12	15 Sep 2026	Current Direction	S
S12	15 Sep 2026	Water Temp (C)	22.8
S12	15 Sep 2026	High Tide Time	6
S12	15 Sep 2026	Low Tide Time	526
S12	15 Sep 2026	Comments	Water clear; Trash-3; Kelp;Seagrass; Person/Walker/Jogger-1
S12	22 Sep 2026	Arrive Time	913
S12	22 Sep 2026	Wind Speed (kts)	3.5
S12	22 Sep 2026	Wind Dir	NW
S12	22 Sep 2026	Animal Life	Bird-3; Dog-3;
S12	22 Sep 2026	Floatables	
S12	22 Sep 2026	Current Direction	S
S12	22 Sep 2026	Water Temp (C)	21.5
S12	22 Sep 2026	High Tide Time	800
S12	22 Sep 2026	Low Tide Time	139
S12	22 Sep 2026	Comments	Water clear; Surfer/Paddle boarder-1; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-9
S12	30 Sep 2026	Arrive Time	801
S12	30 Sep 2026	Wind Speed (kts)	1.8
S12	30 Sep 2026	Wind Dir	S
S12	30 Sep 2026	Animal Life	
S12	30 Sep 2026	Floatables	Foam
S12	30 Sep 2026	Current Direction	N
S12	30 Sep 2026	Water Temp (C)	19.4
S12	30 Sep 2026	High Tide Time	1122
S12	30 Sep 2026	Low Tide Time	458
S12	30 Sep 2026	Comments	Water clear; Trash-2; Kelp;Seagrass;Algae;Debris
S8	01 Sep 2026	Arrive Time	841
S8	01 Sep 2026	Wind Speed (kts)	3.8
S8	01 Sep 2026	Wind Dir	NW
S8	01 Sep 2026	Animal Life	
S8	01 Sep 2026	Floatables	Foam
S8	01 Sep 2026	Current Direction	S
S8	01 Sep 2026	Water Temp (C)	18.6
S8	01 Sep 2026	High Tide Time	1201
S8	01 Sep 2026	Low Tide Time	538
S8	01 Sep 2026	Comments	Water clear; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-1
S8	08 Sep 2026	Arrive Time	734
S8	08 Sep 2026	Wind Speed (kts)	0
S8	08 Sep 2026	Wind Dir	W
S8	08 Sep 2026	Animal Life	
S8	08 Sep 2026	Floatables	
S8	08 Sep 2026	Current Direction	S
S8	08 Sep 2026	Water Temp (C)	16.9
S8	08 Sep 2026	High Tide Time	826

Station	Date	Parameter	Value
S8	08 Sep 2026	Low Tide Time	212
S8	08 Sep 2026	Comments	Water clear; Boater/Kayaker-1; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-1
S8	15 Sep 2026	Arrive Time	730
S8	15 Sep 2026	Wind Speed (kts)	6.5
S8	15 Sep 2026	Wind Dir	S
S8	15 Sep 2026	Animal Life	Dog-1;
S8	15 Sep 2026	Floatables	
S8	15 Sep 2026	Current Direction	S
S8	15 Sep 2026	Water Temp (C)	21.4
S8	15 Sep 2026	High Tide Time	6
S8	15 Sep 2026	Low Tide Time	526
S8	15 Sep 2026	Comments	Water clear; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-1
S8	22 Sep 2026	Arrive Time	816
S8	22 Sep 2026	Wind Speed (kts)	2
S8	22 Sep 2026	Wind Dir	N
S8	22 Sep 2026	Animal Life	Dog-1;
S8	22 Sep 2026	Floatables	
S8	22 Sep 2026	Current Direction	S
S8	22 Sep 2026	Water Temp (C)	19.2
S8	22 Sep 2026	High Tide Time	800
S8	22 Sep 2026	Low Tide Time	139
S8	22 Sep 2026	Comments	Water clear; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-3
S8	30 Sep 2026	Arrive Time	746
S8	30 Sep 2026	Wind Speed (kts)	2.2
S8	30 Sep 2026	Wind Dir	SW
S8	30 Sep 2026	Animal Life	
S8	30 Sep 2026	Floatables	Foam
S8	30 Sep 2026	Current Direction	S
S8	30 Sep 2026	Water Temp (C)	20.1
S8	30 Sep 2026	High Tide Time	1122
S8	30 Sep 2026	Low Tide Time	458
S8	30 Sep 2026	Comments	Water clear; Trash-3; Kelp;Seagrass; Person/Walker/Jogger-4; Yellow foam
S9	01 Sep 2026	Arrive Time	632
S9	01 Sep 2026	Wind Speed (kts)	1.2
S9	01 Sep 2026	Wind Dir	N
S9	01 Sep 2026	Animal Life	Bird-15; Seagull-1;
S9	01 Sep 2026	Floatables	
S9	01 Sep 2026	Current Direction	S
S9	01 Sep 2026	Water Temp (C)	21
S9	01 Sep 2026	High Tide Time	1201
S9	01 Sep 2026	Low Tide Time	538
S9	01 Sep 2026	Comments	Water clear; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-6
S9	08 Sep 2026	Arrive Time	712
S9	08 Sep 2026	Wind Speed (kts)	0.4
S9	08 Sep 2026	Wind Dir	W
S9	08 Sep 2026	Animal Life	Bird-10;
S9	08 Sep 2026	Floatables	
S9	08 Sep 2026	Current Direction	S
S9	08 Sep 2026	Water Temp (C)	17
S9	08 Sep 2026	High Tide Time	826
S9	08 Sep 2026	Low Tide Time	212

Station	Date	Parameter	Value
S9	08 Sep 2026	Comments	Water clear; Trash-1; Seagrass;Kelp; Person/Walker/Jogger-3
S9	15 Sep 2026	Arrive Time	705
S9	15 Sep 2026	Wind Speed (kts)	2.6
S9	15 Sep 2026	Wind Dir	S
S9	15 Sep 2026	Animal Life	Bird-5; Seagull-2;
S9	15 Sep 2026	Floatables	
S9	15 Sep 2026	Current Direction	S
S9	15 Sep 2026	Water Temp (C)	21.9
S9	15 Sep 2026	High Tide Time	6
S9	15 Sep 2026	Low Tide Time	526
S9	15 Sep 2026	Comments	Water clear; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-3
S9	22 Sep 2026	Arrive Time	750
S9	22 Sep 2026	Wind Speed (kts)	0
S9	22 Sep 2026	Wind Dir	XX
S9	22 Sep 2026	Animal Life	Bird-30;
S9	22 Sep 2026	Floatables	Foam
S9	22 Sep 2026	Current Direction	S
S9	22 Sep 2026	Water Temp (C)	18.7
S9	22 Sep 2026	High Tide Time	800
S9	22 Sep 2026	Low Tide Time	139
S9	22 Sep 2026	Comments	Water clear; Surfer/Paddle boarder-1; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-5
S9	30 Sep 2026	Arrive Time	727
S9	30 Sep 2026	Wind Speed (kts)	3
S9	30 Sep 2026	Wind Dir	W
S9	30 Sep 2026	Animal Life	Bird-18;
S9	30 Sep 2026	Floatables	
S9	30 Sep 2026	Current Direction	S
S9	30 Sep 2026	Water Temp (C)	20.2
S9	30 Sep 2026	High Tide Time	1122
S9	30 Sep 2026	Low Tide Time	458
S9	30 Sep 2026	Comments	Water clear; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-5

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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 SBOO 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	I19	I24	I25	I26	I32	I39	I40
01 Sep 2026	2	2	2	2	3	2	2
02 Sep 2026	*2	*2	*2	*2	*4	*2	*2
03 Sep 2026	*2	*2	*2	*2	*4	*2	*2
04 Sep 2026	*2	*2	*2	*2	*4	*2	*2
05 Sep 2026	*2	*2	*2	*2	*4	*2	*2
06 Sep 2026	*2	*2	*2	*2	*4	*2	*2
07 Sep 2026	*2	*2	*2	*2	*4	*2	*2
08 Sep 2026	2	3	2	2	5	2	2
09 Sep 2026	*2	*3	*2	*2	*3	*3	*2
10 Sep 2026	*2	*3	*2	*2	*3	*3	*2
11 Sep 2026	*2	*3	*2	*2	*3	*3	*2
12 Sep 2026	*2	*3	*2	*2	*3	*3	*2
13 Sep 2026	*2	*3	*2	*2	*3	*3	*2
14 Sep 2026	2	3	2	2	3	2	2
15 Sep 2026	2	3	2	2	3	2	2
16 Sep 2026	*2	*3	*2	*2	*3	*3	*2
17 Sep 2026	*2	*3	*2	*2	*3	*3	*2
18 Sep 2026	*2	*3	*2	*2	*3	*3	*2
19 Sep 2026	*2	*3	*2	*2	*3	*3	*2
20 Sep 2026	*2	*3	*2	*2	*3	*3	*2
21 Sep 2026	*2	*3	*2	*2	*3	*3	*2
22 Sep 2026	2	3	2	2	3	2	2
23 Sep 2026	2	3	2	2	3	2	2
24 Sep 2026	*2	*3	*2	*2	*4	*3	*2
25 Sep 2026	*2	*3	*2	*2	*4	*3	*2
26 Sep 2026	*2	*3	*2	*2	*4	*3	*2
27 Sep 2026	*2	*3	*2	*2	*4	*3	*2
28 Sep 2026	3	3	2	2	4	3	3
29 Sep 2026	3	3	2	2	4	3	3
30 Sep 2026	3	3	2	2	4	3	3

* Geometric mean calculated using n<5

Table 3.2

Summary of compliance at the SBOO 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	I19	I24	I25	I26	I32	I39	I40
01 Sep 2026	IC	IC	IC	IC	IC	IC	IC
08 Sep 2026	IC	IC	IC	IC	IC	IC	IC
14 Sep 2026	IC	IC	IC	IC	IC	IC	IC
22 Sep 2026	IC	IC	IC	IC	IC	IC	IC
28 Sep 2026	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 SBOO 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	I19	I24	I25	I26	I32	I39	I40
01 Sep 2026	4	2	2	2	3	2	3
02 Sep 2026	4	2	2	2	3	2	3
03 Sep 2026	4	2	2	2	3	2	3
04 Sep 2026	4	2	2	2	3	2	3
05 Sep 2026	4	2	2	2	3	2	3
06 Sep 2026	4	2	2	2	3	2	3
07 Sep 2026	4	2	2	2	3	2	3
08 Sep 2026	3	2	2	2	3	2	3
09 Sep 2026	3	2	2	2	3	2	3
10 Sep 2026	2	2	2	2	3	2	2
11 Sep 2026	2	2	2	2	3	2	2
12 Sep 2026	2	2	2	2	3	2	2
13 Sep 2026	2	2	2	2	3	2	2
14 Sep 2026	2	2	2	2	3	2	2
15 Sep 2026	2	2	2	2	3	2	2
16 Sep 2026	2	2	2	2	3	2	2
17 Sep 2026	2	2	2	2	3	2	2
18 Sep 2026	2	2	2	2	3	2	2
19 Sep 2026	2	2	2	2	3	2	2
20 Sep 2026	2	2	2	2	3	2	2
21 Sep 2026	2	2	2	2	3	2	2
22 Sep 2026	2	2	2	2	3	2	2
23 Sep 2026	2	2	2	2	3	2	2
24 Sep 2026	2	2	2	2	3	2	2
25 Sep 2026	2	2	2	2	3	2	2
26 Sep 2026	2	2	2	2	3	2	2
27 Sep 2026	2	2	2	2	3	2	2
28 Sep 2026	3	2	2	2	3	2	3
29 Sep 2026	3	2	2	2	3	2	3
30 Sep 2026	3	2	2	2	3	2	3

* Geometric mean calculated using n<5

Table 3.4

Summary of compliance at the SBOO 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	I19	I24	I25	I26	I32	I39	I40
September	IC	IC	IC	IC	IC	IC	IC

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

Table 3.5

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

	I19			I24			I25			I26			I32			I39			I40		
Date	**2m**	**6m**	**11m**	**2m**	**6m**	**11m**	**2m**	**6m**	**9m**	**2m**	**6m**	**9m**	**2m**	**6m**	**9m**	**2m**	**12m**	**18m**	**2m**	**6m**	**9m**
01 Sep 2026	6	20	20	6	20	20	20	20	2	2	20	20	20	20	20	2	2	2	2	4	20
02 Sep 2026	*11	*20	*20	*12	*20	*20	*11	*12	*2	*11	*20	*13	*20	*20	*20	*2	*3	*2	*2	*3	*20
03 Sep 2026	*11	*20	*20	*12	*20	*20	*11	*12	*2	*11	*20	*13	*20	*20	*20	*2	*3	*2	*2	*3	*20
04 Sep 2026	*11	*20	*20	*12	*20	*20	*11	*12	*2	*11	*20	*13	*20	*20	*20	*2	*3	*2	*2	*3	*20
05 Sep 2026	*11	*20	*20	*12	*20	*20	*11	*12	*2	*11	*20	*13	*20	*20	*20	*2	*3	*2	*2	*3	*20
06 Sep 2026	*11	*20	*20	*12	*20	*20	*11	*12	*2	*11	*20	*13	*20	*20	*20	*2	*3	*2	*2	*3	*20
07 Sep 2026	*11	*20	*20	*12	*20	*20	*11	*12	*2	*11	*20	*13	*20	*20	*20	*2	*3	*2	*2	*3	*20
08 Sep 2026	2	20	20	4	20	20	2	4	2	2	20	18	20	20	20	2	2	2	2	2	20
09 Sep 2026	*2	*11	*20	*3	*11	*20	*2	*3	*2	*2	*11	*19	*20	*20	*20	*2	*2	*8	*2	*3	*20
10 Sep 2026	*2	*11	*20	*3	*11	*20	*2	*3	*2	*2	*11	*19	*20	*20	*20	*2	*2	*8	*2	*3	*20
11 Sep 2026	*2	*11	*20	*3	*11	*20	*2	*3	*2	*2	*11	*19	*20	*20	*20	*2	*2	*8	*2	*3	*20
12 Sep 2026	*2	*11	*20	*3	*11	*20	*2	*3	*2	*2	*11	*19	*20	*20	*20	*2	*2	*8	*2	*3	*20
13 Sep 2026	*2	*11	*20	*3	*11	*20	*2	*3	*2	*2	*11	*19	*20	*20	*20	*2	*2	*8	*2	*3	*20
14 Sep 2026	2	20	20	2	2	20	2	2	2	2	2	20	20	20	20	2	2	2	2	4	20
15 Sep 2026	2	20	20	2	2	20	2	2	2	2	2	20	20	20	20	2	2	2	2	4	20
16 Sep 2026	*2	*11	*20	*2	*11	*11	*2	*2	*11	*2	*11	*20	*20	*20	*20	*2	*2	*2	*2	*3	*20
17 Sep 2026	*2	*11	*20	*2	*11	*11	*2	*2	*11	*2	*11	*20	*20	*20	*20	*2	*2	*2	*2	*3	*20
18 Sep 2026	*2	*11	*20	*2	*11	*11	*2	*2	*11	*2	*11	*20	*20	*20	*20	*2	*2	*2	*2	*3	*20
19 Sep 2026	*2	*11	*20	*2	*11	*11	*2	*2	*11	*2	*11	*20	*20	*20	*20	*2	*2	*2	*2	*3	*20
20 Sep 2026	*2	*11	*20	*2	*11	*11	*2	*2	*11	*2	*11	*20	*20	*20	*20	*2	*2	*2	*2	*3	*20
21 Sep 2026	*2	*11	*20	*2	*11	*11	*2	*2	*11	*2	*11	*20	*20	*20	*20	*2	*2	*2	*2	*3	*20
22 Sep 2026	2	4	20	2	4	20	2	2	4	2	2	20	20	20	20	2	2	2	2	4	20
23 Sep 2026	2	4	20	2	4	20	2	2	4	2	2	20	20	20	20	2	2	2	2	4	20
24 Sep 2026	*2	*12	*20	*11	*3	*20	*2	*2	*12	*2	*2	*19	*20	*20	*20	*2	*2	*2	*2	*11	*20
25 Sep 2026	*2	*12	*20	*11	*3	*20	*2	*2	*12	*2	*2	*19	*20	*20	*20	*2	*2	*2	*2	*11	*20
26 Sep 2026	*2	*12	*20	*11	*3	*20	*2	*2	*12	*2	*2	*19	*20	*20	*20	*2	*2	*2	*2	*11	*20
27 Sep 2026	*2	*12	*20	*11	*3	*20	*2	*2	*12	*2	*2	*19	*20	*20	*20	*2	*2	*2	*2	*11	*20
28 Sep 2026	2	4	20	2	4	20	2	2	10	2	2	20	20	20	20	2	2	2	2	20	20
29 Sep 2026	2	4	20	2	4	20	2	2	10	2	2	20	20	20	20	2	2	2	2	20	20
30 Sep 2026	2	4	20	2	4	20	2	2	10	2	2	20	20	20	20	2	2	2	2	20	20

* Median calculated using n<5

Table 3.6

Summary of compliance at the SBOO kelp stations with the Ocean Plan's Statistical Threshold Value for total coliform bacteria, which states that total coliform density shall not exceed 230 CFU/100 mLin more than 10% of samples per month.

	I19			I24			I25			I26			I32			I39			I40		
Date	**2m**	**6m**	**11m**	**2m**	**6m**	**11m**	**2m**	**6m**	**9m**	**2m**	**6m**	**9m**	**2m**	**6m**	**9m**	**2m**	**12m**	**18m**	**2m**	**6m**	**9m**
September	IC	IC	**E**	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	**E**	IC	IC	IC	**E**	IC	IC	IC

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

Table 3.7

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

Station	Date	Time	Depth	Total	Fecal	Entero
I19	01 Sep 2026	1051	2	<2	<2	<2
I19	01 Sep 2026	1051	6	20e	<2	<2
I19	01 Sep 2026	1051	11	<20	2e	2e
I19	08 Sep 2026	1109	2	<2	<2	<2
I19	08 Sep 2026	1109	6	2e	<2	<2
I19	08 Sep 2026	1109	11	20e	<2	2e
I19	14 Sep 2026	1146	2	<20	<2	<2
I19	14 Sep 2026	1146	6	<20	<2	<2
I19	14 Sep 2026	1146	11	60e	<2	8e
I19	22 Sep 2026	1042	2	<2	<2	2e
I19	22 Sep 2026	1042	6	4e	<2	<2
I19	22 Sep 2026	1042	11	<20	<2	2e
I19	28 Sep 2026	1052	2	<2	<2	<2
I19	28 Sep 2026	1052	6	<2	<2	<2
I19	28 Sep 2026	1052	11	600e	86	32e
I24	01 Sep 2026	1115	2	<200	<2	<2
I24	01 Sep 2026	1115	6	40e	<2	<2
I24	01 Sep 2026	1115	11	<20	<2	<2
I24	08 Sep 2026	1137	2	<2	<2	<2
I24	08 Sep 2026	1137	6	<2	<2	<2
I24	08 Sep 2026	1137	11	140e	16e	2e
I24	14 Sep 2026	1206	2	<2	<2	<2
I24	14 Sep 2026	1206	6	2e	<2	<2
I24	14 Sep 2026	1206	11	<2	<2	<2
I24	22 Sep 2026	1108	2	20e	<2	<2
I24	22 Sep 2026	1108	6	4e	<2	<2
I24	22 Sep 2026	1108	11	<20	<2	<2
I24	28 Sep 2026	1113	2	2e	2e	<2
I24	28 Sep 2026	1113	6	20e	2e	<2
I24	28 Sep 2026	1113	11	140e	6e	<2
I25	01 Sep 2026	1123	2	<20	<2	<2
I25	01 Sep 2026	1123	6	<20	<2	<2
I25	01 Sep 2026	1123	9	<2	<2	<2
I25	08 Sep 2026	1144	2	<2	<2	<2
I25	08 Sep 2026	1144	6	<2	<2	<2
I25	08 Sep 2026	1144	9	20e	2e	<2
I25	14 Sep 2026	1213	2	<2	<2	<2
I25	14 Sep 2026	1213	6	<2	<2	<2
I25	14 Sep 2026	1213	9	<20	<2	<2
I25	22 Sep 2026	1119	2	<2	<2	<2
I25	22 Sep 2026	1119	6	<2	<2	<2

Station	Date	Time	Depth	Total	Fecal	Entero
I25	22 Sep 2026	1119	9	4e	<2	<2
I25	28 Sep 2026	1120	2	2e	<2	<2
I25	28 Sep 2026	1120	6	<2	<2	<2
I25	28 Sep 2026	1120	9	10e	2e	<2
I26	01 Sep 2026	1134	2	<2	<2	<2
I26	01 Sep 2026	1134	6	<20	<2	<2
I26	01 Sep 2026	1134	9	<20	<2	<2
I26	08 Sep 2026	1155	2	<2	<2	<2
I26	08 Sep 2026	1155	6	<2	<2	<2
I26	08 Sep 2026	1155	9	18e	2e	<2
I26	14 Sep 2026	1227	2	<2	<2	<2
I26	14 Sep 2026	1227	6	<2	<2	<2
I26	14 Sep 2026	1227	9	20e	<2	<2
I26	22 Sep 2026	1128	2	<2	<2	<2
I26	22 Sep 2026	1128	6	<2	<2	<2
I26	22 Sep 2026	1128	9	2e	<2	<2
I26	28 Sep 2026	1128	2	<2	<2	<2
I26	28 Sep 2026	1128	6	<2	<2	<2
I26	28 Sep 2026	1128	9	80e	2e	<2
I32	01 Sep 2026	1153	2	<20	<2	<2
I32	01 Sep 2026	1153	6	<20	<2	<2
I32	01 Sep 2026	1153	9	<20	<2	<2
I32	08 Sep 2026	1207	2	20e	10e	4e
I32	08 Sep 2026	1207	6	40e	20e	2e
I32	08 Sep 2026	1207	9	120e	14e	22e
I32	14 Sep 2026	1237	2	<2	<2	<2
I32	14 Sep 2026	1237	6	<2	<2	<2
I32	14 Sep 2026	1237	9	20e	<2	<2
I32	22 Sep 2026	1142	2	20e	<2	<2
I32	22 Sep 2026	1142	6	<20	4e	<2
I32	22 Sep 2026	1142	9	<20	<2	2e
I32	28 Sep 2026	1142	2	<20	<2	<2
I32	28 Sep 2026	1142	6	400e	10e	<2
I32	28 Sep 2026	1142	9	220e	8e	8e
I39	01 Sep 2026	1030	2	<2	<2	<2
I39	01 Sep 2026	1030	12	22e	<2	<2
I39	01 Sep 2026	1030	18	<2	<2	<2
I39	08 Sep 2026	1047	2	<2	<2	<2
I39	08 Sep 2026	1047	12	<2	<2	<2
I39	08 Sep 2026	1047	18	260e	14e	6e
I39	14 Sep 2026	1117	2	<2	<2	<2
I39	14 Sep 2026	1117	12	<2	<2	<2
I39	14 Sep 2026	1117	18	2e	<2	<2
I39	22 Sep 2026	1019	2	<2	<2	<2
I39	22 Sep 2026	1019	12	<2	<2	<2
I39	22 Sep 2026	1019	18	<2	<2	<2

Station	Date	Time	Depth	Total	Fecal	Entero
I39	28 Sep 2026	1030	2	<2	<2	<2
I39	28 Sep 2026	1030	12	4e	<2	<2
I39	28 Sep 2026	1030	18	40e	4e	<2
I40	01 Sep 2026	1108	2	<2	<2	<2
I40	01 Sep 2026	1108	6	2e	<2	<2
I40	01 Sep 2026	1108	9	<20	<2	<2
I40	08 Sep 2026	1129	2	<2	<2	<2
I40	08 Sep 2026	1129	6	<2	<2	<2
I40	08 Sep 2026	1129	9	60e	4e	2e
I40	14 Sep 2026	1157	2	2e	<2	<2
I40	14 Sep 2026	1157	6	<20	<2	<2
I40	14 Sep 2026	1157	9	<20	<2	<2
I40	22 Sep 2026	1056	2	100e	6e	<2
I40	22 Sep 2026	1056	6	20e	2e	<2
I40	22 Sep 2026	1056	9	<20	<2	<2
I40	28 Sep 2026	1105	2	<2	<2	<2
I40	28 Sep 2026	1105	6	60e	12e	8e
I40	28 Sep 2026	1105	9	100e	4e	28e

ns = not sampled
ND = no data

Table 3.8

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

Station	Date	Parameter	Value
I19	01 Sep 2026	Arrive Time	1047
I19	01 Sep 2026	Depart Time	1051
I19	01 Sep 2026	Air Temp (C)	24.8
I19	01 Sep 2026	Visibility (mi)	10
I19	01 Sep 2026	Wind Speed (kts)	3.5
I19	01 Sep 2026	Wind Dir	NW
I19	01 Sep 2026	Sea State	Regular Swell
I19	01 Sep 2026	High Tide Time	1206
I19	01 Sep 2026	Low Tide Time	1854
I19	01 Sep 2026	Comments	
I19	08 Sep 2026	Arrive Time	1109
I19	08 Sep 2026	Depart Time	1119
I19	08 Sep 2026	Air Temp (C)	24.4
I19	08 Sep 2026	Visibility (mi)	10
I19	08 Sep 2026	Wind Speed (kts)	0.8
I19	08 Sep 2026	Wind Dir	W
I19	08 Sep 2026	Sea State	Confused Swell
I19	08 Sep 2026	High Tide Time	1954
I19	08 Sep 2026	Low Tide Time	206
I19	14 Sep 2026	Arrive Time	1146
I19	14 Sep 2026	Depart Time	1149
I19	14 Sep 2026	Air Temp (C)	23.4
I19	14 Sep 2026	Visibility (mi)	6
I19	14 Sep 2026	Wind Speed (kts)	6.9
I19	14 Sep 2026	Wind Dir	W
I19	14 Sep 2026	Sea State	Light Chop
I19	14 Sep 2026	High Tide Time	1118
I19	14 Sep 2026	Low Tide Time	1806
I19	14 Sep 2026	Comments	
I19	22 Sep 2026	Arrive Time	1042
I19	22 Sep 2026	Depart Time	1049
I19	22 Sep 2026	Air Temp (C)	24.1
I19	22 Sep 2026	Visibility (mi)	10
I19	22 Sep 2026	Wind Speed (kts)	1.2
I19	22 Sep 2026	Wind Dir	W
I19	22 Sep 2026	Sea State	Light Chop
I19	22 Sep 2026	High Tide Time	1912
I19	22 Sep 2026	Low Tide Time	130
I19	22 Sep 2026	Comments	
I19	28 Sep 2026	Arrive Time	1052
I19	28 Sep 2026	Depart Time	1056
I19	28 Sep 2026	Air Temp (C)	25.4
I19	28 Sep 2026	Visibility (mi)	10
I19	28 Sep 2026	Wind Speed (kts)	0.4
I19	28 Sep 2026	Wind Dir	SW
I19	28 Sep 2026	Sea State	Light Chop
I19	28 Sep 2026	High Tide Time	1018
I19	28 Sep 2026	Low Tide Time	1654
I19	28 Sep 2026	Comments	
I40	01 Sep 2026	Arrive Time	1103
I40	01 Sep 2026	Depart Time	1108

Station	Date	Parameter	Value
I40	01 Sep 2026	Air Temp (C)	23.4
I40	01 Sep 2026	Visibility (mi)	10
I40	01 Sep 2026	Wind Speed (kts)	4.8
I40	01 Sep 2026	Wind Dir	NW
I40	01 Sep 2026	Sea State	Regular Swell
I40	01 Sep 2026	High Tide Time	1206
I40	01 Sep 2026	Low Tide Time	1854
I40	01 Sep 2026	Comments	
I40	08 Sep 2026	Arrive Time	1129
I40	08 Sep 2026	Depart Time	1132
I40	08 Sep 2026	Air Temp (C)	23.6
I40	08 Sep 2026	Visibility (mi)	10
I40	08 Sep 2026	Wind Speed (kts)	4.7
I40	08 Sep 2026	Wind Dir	NW
I40	08 Sep 2026	Sea State	Confused Swell
I40	08 Sep 2026	High Tide Time	1954
I40	08 Sep 2026	Low Tide Time	206
I40	08 Sep 2026	Comments	
I40	14 Sep 2026	Arrive Time	1157
I40	14 Sep 2026	Depart Time	1202
I40	14 Sep 2026	Air Temp (C)	22.7
I40	14 Sep 2026	Visibility (mi)	6
I40	14 Sep 2026	Wind Speed (kts)	7.9
I40	14 Sep 2026	Wind Dir	SW
I40	14 Sep 2026	Sea State	Light Chop
I40	14 Sep 2026	High Tide Time	1118
I40	14 Sep 2026	Low Tide Time	1806
I40	14 Sep 2026	Comments	
I40	22 Sep 2026	Arrive Time	1056
I40	22 Sep 2026	Depart Time	1102
I40	22 Sep 2026	Air Temp (C)	22.7
I40	22 Sep 2026	Visibility (mi)	10
I40	22 Sep 2026	Wind Speed (kts)	8.6
I40	22 Sep 2026	Wind Dir	NW
I40	22 Sep 2026	Sea State	Light Chop
I40	22 Sep 2026	High Tide Time	1912
I40	22 Sep 2026	Low Tide Time	130
I40	22 Sep 2026	Comments	
I40	28 Sep 2026	Arrive Time	1105
I40	28 Sep 2026	Depart Time	1108
I40	28 Sep 2026	Air Temp (C)	23.5
I40	28 Sep 2026	Visibility (mi)	10
I40	28 Sep 2026	Wind Speed (kts)	3.7
I40	28 Sep 2026	Wind Dir	NW
I40	28 Sep 2026	Sea State	Light Chop
I40	28 Sep 2026	High Tide Time	1018
I40	28 Sep 2026	Low Tide Time	1654
I40	28 Sep 2026	Comments	
I24	01 Sep 2026	Arrive Time	1111
I24	01 Sep 2026	Depart Time	1115
I24	01 Sep 2026	Air Temp (C)	23.6
I24	01 Sep 2026	Visibility (mi)	10
I24	01 Sep 2026	Wind Speed (kts)	4.7
I24	01 Sep 2026	Wind Dir	NW
I24	01 Sep 2026	Sea State	Regular Swell
I24	01 Sep 2026	High Tide Time	1206

Station	Date	Parameter	Value
I24	01 Sep 2026	Low Tide Time	1854
I24	01 Sep 2026	Comments	
I24	08 Sep 2026	Arrive Time	1137
I24	08 Sep 2026	Depart Time	1142
I24	08 Sep 2026	Air Temp (C)	22.6
I24	08 Sep 2026	Visibility (mi)	10
I24	08 Sep 2026	Wind Speed (kts)	6.4
I24	08 Sep 2026	Wind Dir	NW
I24	08 Sep 2026	Sea State	Confused Swell
I24	08 Sep 2026	High Tide Time	1954
I24	08 Sep 2026	Low Tide Time	206
I24	08 Sep 2026	Comments	
I24	14 Sep 2026	Arrive Time	1206
I24	14 Sep 2026	Depart Time	1209
I24	14 Sep 2026	Air Temp (C)	22.9
I24	14 Sep 2026	Visibility (mi)	6
I24	14 Sep 2026	Wind Speed (kts)	7.4
I24	14 Sep 2026	Wind Dir	SW
I24	14 Sep 2026	Sea State	Light Chop
I24	14 Sep 2026	High Tide Time	1118
I24	14 Sep 2026	Low Tide Time	1806
I24	14 Sep 2026	Comments	
I24	22 Sep 2026	Arrive Time	1108
I24	22 Sep 2026	Depart Time	1113
I24	22 Sep 2026	Air Temp (C)	24.7
I24	22 Sep 2026	Visibility (mi)	10
I24	22 Sep 2026	Wind Speed (kts)	5.2
I24	22 Sep 2026	Wind Dir	N
I24	22 Sep 2026	Sea State	Light Chop
I24	22 Sep 2026	High Tide Time	1912
I24	22 Sep 2026	Low Tide Time	130
I24	22 Sep 2026	Comments	
I24	28 Sep 2026	Arrive Time	1113
I24	28 Sep 2026	Depart Time	1116
I24	28 Sep 2026	Air Temp (C)	24
I24	28 Sep 2026	Visibility (mi)	10
I24	28 Sep 2026	Wind Speed (kts)	4.1
I24	28 Sep 2026	Wind Dir	NW
I24	28 Sep 2026	Sea State	Light Chop
I24	28 Sep 2026	High Tide Time	1018
I24	28 Sep 2026	Low Tide Time	1654
I24	28 Sep 2026	Comments	
I25	01 Sep 2026	Arrive Time	1118
I25	01 Sep 2026	Depart Time	1123
I25	01 Sep 2026	Air Temp (C)	22.9
I25	01 Sep 2026	Visibility (mi)	10
I25	01 Sep 2026	Wind Speed (kts)	7.4
I25	01 Sep 2026	Wind Dir	NW
I25	01 Sep 2026	Sea State	Regular Swell
I25	01 Sep 2026	High Tide Time	1206
I25	01 Sep 2026	Low Tide Time	1854
I25	01 Sep 2026	Comments	
I25	08 Sep 2026	Arrive Time	1144
I25	08 Sep 2026	Depart Time	1149
I25	08 Sep 2026	Air Temp (C)	23.6

Station	Date	Parameter	Value
I25	08 Sep 2026	Visibility (mi)	10
I25	08 Sep 2026	Wind Speed (kts)	6.2
I25	08 Sep 2026	Wind Dir	NW
I25	08 Sep 2026	Sea State	Confused Swell
I25	08 Sep 2026	High Tide Time	1954
I25	08 Sep 2026	Low Tide Time	206
I25	08 Sep 2026	Comments	CTD recovered with kelp
I25	14 Sep 2026	Arrive Time	1213
I25	14 Sep 2026	Depart Time	1218
I25	14 Sep 2026	Air Temp (C)	22.7
I25	14 Sep 2026	Visibility (mi)	6
I25	14 Sep 2026	Wind Speed (kts)	7.2
I25	14 Sep 2026	Wind Dir	W
I25	14 Sep 2026	Sea State	Light Chop
I25	14 Sep 2026	High Tide Time	1118
I25	14 Sep 2026	Low Tide Time	1806
I25	14 Sep 2026	Comments	
I25	22 Sep 2026	Arrive Time	1119
I25	22 Sep 2026	Depart Time	1122
I25	22 Sep 2026	Air Temp (C)	24.3
I25	22 Sep 2026	Visibility (mi)	10
I25	22 Sep 2026	Wind Speed (kts)	3.5
I25	22 Sep 2026	Wind Dir	NW
I25	22 Sep 2026	Sea State	Light Chop
I25	22 Sep 2026	High Tide Time	1912
I25	22 Sep 2026	Low Tide Time	130
I25	22 Sep 2026	Comments	
I25	28 Sep 2026	Arrive Time	1120
I25	28 Sep 2026	Depart Time	1123
I25	28 Sep 2026	Air Temp (C)	24.5
I25	28 Sep 2026	Visibility (mi)	10
I25	28 Sep 2026	Wind Speed (kts)	3.3
I25	28 Sep 2026	Wind Dir	NW
I25	28 Sep 2026	Sea State	Light Chop
I25	28 Sep 2026	High Tide Time	1018
I25	28 Sep 2026	Low Tide Time	1654
I25	28 Sep 2026	Comments	
I39	01 Sep 2026	Arrive Time	1024
I39	01 Sep 2026	Depart Time	1030
I39	01 Sep 2026	Air Temp (C)	24.4
I39	01 Sep 2026	Visibility (mi)	10
I39	01 Sep 2026	Wind Speed (kts)	6.1
I39	01 Sep 2026	Wind Dir	NW
I39	01 Sep 2026	Sea State	Confused Swell
I39	01 Sep 2026	High Tide Time	1206
I39	01 Sep 2026	Low Tide Time	1854
I39	01 Sep 2026	Comments	
I39	08 Sep 2026	Arrive Time	1047
I39	08 Sep 2026	Depart Time	1053
I39	08 Sep 2026	Air Temp (C)	23.3
I39	08 Sep 2026	Visibility (mi)	10
I39	08 Sep 2026	Wind Speed (kts)	3.7
I39	08 Sep 2026	Wind Dir	N
I39	08 Sep 2026	Sea State	Confused Swell
I39	08 Sep 2026	High Tide Time	1954
I39	08 Sep 2026	Low Tide Time	206

Station	Date	Parameter	Value
I39	08 Sep 2026	Comments	
I39	14 Sep 2026	Arrive Time	1117
I39	14 Sep 2026	Depart Time	1124
I39	14 Sep 2026	Air Temp (C)	23.2
I39	14 Sep 2026	Visibility (mi)	6
I39	14 Sep 2026	Wind Speed (kts)	9.6
I39	14 Sep 2026	Wind Dir	SW
I39	14 Sep 2026	Sea State	Light Chop
I39	14 Sep 2026	High Tide Time	1118
I39	14 Sep 2026	Low Tide Time	1806
I39	14 Sep 2026	Comments	
I39	22 Sep 2026	Arrive Time	1019
I39	22 Sep 2026	Depart Time	1026
I39	22 Sep 2026	Air Temp (C)	23.6
I39	22 Sep 2026	Visibility (mi)	10
I39	22 Sep 2026	Wind Speed (kts)	4
I39	22 Sep 2026	Wind Dir	NW
I39	22 Sep 2026	Sea State	Light Chop
I39	22 Sep 2026	High Tide Time	1912
I39	22 Sep 2026	Low Tide Time	130
I39	22 Sep 2026	Comments	
I39	28 Sep 2026	Arrive Time	1030
I39	28 Sep 2026	Depart Time	1035
I39	28 Sep 2026	Air Temp (C)	24.9
I39	28 Sep 2026	Visibility (mi)	10
I39	28 Sep 2026	Wind Speed (kts)	3.8
I39	28 Sep 2026	Wind Dir	NW
I39	28 Sep 2026	Sea State	Light Chop
I39	28 Sep 2026	High Tide Time	1018
I39	28 Sep 2026	Low Tide Time	1654
I39	28 Sep 2026	Comments	
I26	01 Sep 2026	Arrive Time	1129
I26	01 Sep 2026	Depart Time	1134
I26	01 Sep 2026	Air Temp (C)	22.6
I26	01 Sep 2026	Visibility (mi)	10
I26	01 Sep 2026	Wind Speed (kts)	6.3
I26	01 Sep 2026	Wind Dir	NW
I26	01 Sep 2026	Sea State	Regular Swell
I26	01 Sep 2026	High Tide Time	1206
I26	01 Sep 2026	Low Tide Time	1854
I26	01 Sep 2026	Comments	
I26	08 Sep 2026	Arrive Time	1155
I26	08 Sep 2026	Depart Time	1203
I26	08 Sep 2026	Air Temp (C)	23.7
I26	08 Sep 2026	Visibility (mi)	10
I26	08 Sep 2026	Wind Speed (kts)	7.5
I26	08 Sep 2026	Wind Dir	NW
I26	08 Sep 2026	Sea State	Confused Swell
I26	08 Sep 2026	High Tide Time	1954
I26	08 Sep 2026	Low Tide Time	206
I26	08 Sep 2026	Comments	
I26	14 Sep 2026	Arrive Time	1227
I26	14 Sep 2026	Depart Time	1228
I26	14 Sep 2026	Air Temp (C)	23.2
I26	14 Sep 2026	Visibility (mi)	6

Station	Date	Parameter	Value
I26	14 Sep 2026	Wind Speed (kts)	4.8
I26	14 Sep 2026	Wind Dir	W
I26	14 Sep 2026	Sea State	Light Chop
I26	14 Sep 2026	High Tide Time	1118
I26	14 Sep 2026	Low Tide Time	1806
I26	14 Sep 2026	Comments	
I26	22 Sep 2026	Arrive Time	1128
I26	22 Sep 2026	Depart Time	1134
I26	22 Sep 2026	Air Temp (C)	22.9
I26	22 Sep 2026	Visibility (mi)	10
I26	22 Sep 2026	Wind Speed (kts)	9.9
I26	22 Sep 2026	Wind Dir	NW
I26	22 Sep 2026	Sea State	Light Chop
I26	22 Sep 2026	High Tide Time	1912
I26	22 Sep 2026	Low Tide Time	130
I26	22 Sep 2026	Comments	
I26	28 Sep 2026	Arrive Time	1128
I26	28 Sep 2026	Depart Time	1133
I26	28 Sep 2026	Air Temp (C)	23.8
I26	28 Sep 2026	Visibility (mi)	10
I26	28 Sep 2026	Wind Speed (kts)	4
I26	28 Sep 2026	Wind Dir	NW
I26	28 Sep 2026	Sea State	Light Chop
I26	28 Sep 2026	High Tide Time	1018
I26	28 Sep 2026	Low Tide Time	1654
I26	28 Sep 2026	Comments	
I32	01 Sep 2026	Arrive Time	1143
I32	01 Sep 2026	Depart Time	1153
I32	01 Sep 2026	Air Temp (C)	23
I32	01 Sep 2026	Visibility (mi)	10
I32	01 Sep 2026	Wind Speed (kts)	7.1
I32	01 Sep 2026	Wind Dir	NW
I32	01 Sep 2026	Sea State	Regular Swell
I32	01 Sep 2026	High Tide Time	1206
I32	01 Sep 2026	Low Tide Time	1854
I32	01 Sep 2026	Comments	
I32	08 Sep 2026	Arrive Time	0:00:00
I32	08 Sep 2026	Depart Time	1203
I32	08 Sep 2026	Air Temp (C)	23.8
I32	08 Sep 2026	Visibility (mi)	10
I32	08 Sep 2026	Wind Speed (kts)	7.6
I32	08 Sep 2026	Wind Dir	NW
I32	08 Sep 2026	Sea State	Confused Swell
I32	08 Sep 2026	High Tide Time	1954
I32	08 Sep 2026	Comments	
I32	14 Sep 2026	Arrive Time	1237
I32	14 Sep 2026	Depart Time	1328
I32	14 Sep 2026	Air Temp (C)	22.7
I32	14 Sep 2026	Visibility (mi)	6
I32	14 Sep 2026	Wind Speed (kts)	6.2
I32	14 Sep 2026	Wind Dir	W
I32	14 Sep 2026	Sea State	Light Chop
I32	14 Sep 2026	High Tide Time	1118
I32	14 Sep 2026	Low Tide Time	1806
I32	14 Sep 2026	Comments	

Station	Date	Parameter	Value
I32	22 Sep 2026	Arrive Time	1142
I32	22 Sep 2026	Depart Time	1148
I32	22 Sep 2026	Air Temp (C)	22.9
I32	22 Sep 2026	Visibility (mi)	10
I32	22 Sep 2026	Wind Speed (kts)	7.7
I32	22 Sep 2026	Wind Dir	NW
I32	22 Sep 2026	Sea State	Light Chop
I32	22 Sep 2026	High Tide Time	1912
I32	22 Sep 2026	Low Tide Time	130
I32	22 Sep 2026	Comments	
I32	28 Sep 2026	Arrive Time	1142
I32	28 Sep 2026	Depart Time	1146
I32	28 Sep 2026	Air Temp (C)	22.9
I32	28 Sep 2026	Visibility (mi)	10
I32	28 Sep 2026	Wind Speed (kts)	3.8
I32	28 Sep 2026	Wind Dir	W
I32	28 Sep 2026	Sea State	Light Chop
I32	28 Sep 2026	High Tide Time	1018
I32	28 Sep 2026	Low Tide Time	1654
I32	28 Sep 2026	Comments	

Table 3.9

Summary of CTD profile data from the SBOO 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)
I19	01 Sep 2026	1	21.62	79.21	7.3	33.34	8.1	23.1	0.48
I19	01 Sep 2026	2	21.33	78.72	7.4	33.37	8.1	23.2	0.46
I19	01 Sep 2026	3	20.86	79.24	7.6	33.36	8.1	23.3	0.46
I19	01 Sep 2026	4	20.64	81.51	7.7	33.36	8.1	23.3	0.47
I19	01 Sep 2026	5	20.47	85.18	7.7	33.35	8.1	23.4	0.52
I19	01 Sep 2026	6	20.43	86.12	7.6	33.35	8.1	23.4	0.66
I19	01 Sep 2026	7	20.41	84.08	7.6	33.34	8.1	23.4	0.94
I19	01 Sep 2026	8	20.41	82.37	7.6	33.34	8.1	23.4	1.17
I19	01 Sep 2026	9	20.40	81.63	7.6	33.34	8.1	23.4	1.25
I19	01 Sep 2026	10	20.34	80.85	7.5	33.34	8.1	23.4	1.38
I19	08 Sep 2026	1	18.55	92.56	7.5	33.37	8.1	23.9	0.21
I19	08 Sep 2026	2	18.30	92.55	7.5	33.38	8.1	24.0	0.24
I19	08 Sep 2026	3	18.16	92.50	7.5	33.38	8.1	24.0	0.26
I19	08 Sep 2026	4	18.00	93.43	7.5	33.38	8.1	24.0	0.26
I19	08 Sep 2026	5	17.97	94.74	7.5	33.38	8.1	24.0	0.28
I19	08 Sep 2026	6	17.95	95.59	7.4	33.38	8.1	24.0	0.29
I19	08 Sep 2026	7	17.93	95.76	7.4	33.38	8.1	24.1	0.29
I19	08 Sep 2026	8	17.86	94.09	7.4	33.38	8.1	24.1	0.39
I19	08 Sep 2026	9	17.76	89.37	7.4	33.38	8.1	24.1	0.90
I19	08 Sep 2026	10	17.75	80.53	7.4	33.38	8.1	24.1	2.10
I19	14 Sep 2026	1	23.22	77.85	7.0	33.46	8.1	22.7	0.46
I19	14 Sep 2026	2	23.20	83.52	6.9	33.46	8.1	22.7	0.43
I19	14 Sep 2026	3	23.18	85.97	6.9	33.46	8.1	22.7	0.45
I19	14 Sep 2026	4	23.01	86.67	7.0	33.47	8.1	22.8	0.50
I19	14 Sep 2026	5	22.53	88.88	7.0	33.47	8.1	22.9	0.47
I19	14 Sep 2026	6	22.33	90.35	7.0	33.47	8.1	23.0	0.46
I19	14 Sep 2026	7	22.21	88.51	7.0	33.46	8.1	23.0	0.48
I19	14 Sep 2026	8	22.18	78.23	7.0	33.46	8.1	23.0	1.21
I19	14 Sep 2026	9	22.16	64.12	7.0	33.46	8.1	23.0	2.32
I19	14 Sep 2026	10	22.08	59.90	7.0	33.46	8.1	23.0	3.12
I19	22 Sep 2026	1	22.87	85.13	6.8	33.57	8.2	22.9	0.75
I19	22 Sep 2026	2	22.88	78.72	6.8	33.57	8.2	22.9	0.71
I19	22 Sep 2026	3	22.77	85.34	6.8	33.58	8.2	22.9	0.78
I19	22 Sep 2026	4	22.29	75.18	6.8	33.55	8.2	23.0	1.60
I19	22 Sep 2026	5	21.06	65.54	6.6	33.54	8.1	23.4	2.50
I19	22 Sep 2026	6	20.89	71.12	6.6	33.48	8.1	23.4	2.86
I19	22 Sep 2026	7	20.62	77.98	6.7	33.49	8.1	23.4	2.64
I19	22 Sep 2026	8	20.49	77.23	6.7	33.48	8.1	23.5	2.51
I19	22 Sep 2026	9	20.46	66.39	6.6	33.47	8.1	23.5	2.95
I19	22 Sep 2026	10	20.45	57.86	6.5	33.47	8.1	23.5	2.95
I19	28 Sep 2026	1	21.77	96.09	7.1	33.48	8.1	23.1	0.31
I19	28 Sep 2026	2	21.75	96.07	7.1	33.48	8.1	23.1	0.30
I19	28 Sep 2026	3	21.68	96.11	7.1	33.48	8.1	23.2	0.30
I19	28 Sep 2026	4	21.66	96.12	7.1	33.48	8.1	23.2	0.33
I19	28 Sep 2026	5	21.65	95.90	7.1	33.48	8.1	23.2	0.36
I19	28 Sep 2026	6	21.65	95.67	7.1	33.48	8.1	23.2	0.38
I19	28 Sep 2026	7	21.64	95.53	7.1	33.48	8.1	23.2	0.39
I19	28 Sep 2026	8	21.61	95.59	7.1	33.48	8.1	23.2	0.41
I19	28 Sep 2026	9	21.57	94.85	7.1	33.47	8.1	23.2	0.51
I19	28 Sep 2026	10	21.51	93.36	7.1	33.47	8.1	23.2	0.58
I40	01 Sep 2026	1	21.33	79.19	7.5	33.34	8.1	23.1	0.47
I40	01 Sep 2026	2	21.34	80.08	7.5	33.34	8.1	23.1	0.47
I40	01 Sep 2026	3	20.78	81.70	7.6	33.36	8.1	23.3	0.49
I40	01 Sep 2026	4	20.60	82.13	7.7	33.35	8.1	23.3	0.55
I40	01 Sep 2026	5	20.37	86.75	7.7	33.35	8.1	23.4	0.56
I40	01 Sep 2026	6	20.34	88.14	7.7	33.35	8.1	23.4	0.62
I40	01 Sep 2026	7	20.30	88.05	7.7	33.35	8.1	23.4	0.88
I40	01 Sep 2026	8	20.29	88.01	7.7	33.35	8.1	23.4	1.03
I40	01 Sep 2026	9	20.15	86.36	7.5	33.35	8.1	23.5	1.73
I40	01 Sep 2026	10	20.10	70.69	7.4	33.34	8.1	23.5	1.92
I40	08 Sep 2026	1	18.88	94.61	7.4	33.38	8.1	23.8	0.15
I40	08 Sep 2026	2	18.56	94.54	7.4	33.40	8.1	23.9	0.17

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I40	08 Sep 2026	3	18.08	95.13	7.5	33.38	8.1	24.0	0.14
I40	08 Sep 2026	4	17.97	96.18	7.5	33.38	8.1	24.0	0.14
I40	08 Sep 2026	5	17.94	96.77	7.4	33.37	8.1	24.0	0.16
I40	08 Sep 2026	6	17.84	96.99	7.4	33.38	8.1	24.1	0.16
I40	08 Sep 2026	7	17.81	95.55	7.4	33.37	8.1	24.1	0.24
I40	08 Sep 2026	8	17.78	92.42	7.3	33.37	8.1	24.1	0.32
I40	08 Sep 2026	9	17.77	78.92	7.3	33.37	8.1	24.1	0.85
I40	08 Sep 2026	10	17.78	60.78	7.3	33.37	8.1	24.1	1.61
I40	14 Sep 2026	1	23.44	85.28	6.9	33.48	8.1	22.7	0.60
I40	14 Sep 2026	2	23.44	86.34	7.0	33.48	8.1	22.7	0.57
I40	14 Sep 2026	3	23.41	86.31	6.9	33.48	8.1	22.7	0.60
I40	14 Sep 2026	4	23.24	84.75	6.9	33.49	8.1	22.7	0.70
I40	14 Sep 2026	5	22.82	83.36	7.0	33.48	8.1	22.8	0.84
I40	14 Sep 2026	6	22.51	86.04	7.1	33.48	8.1	22.9	0.87
I40	14 Sep 2026	7	22.38	91.44	7.1	33.47	8.1	23.0	0.68
I40	14 Sep 2026	8	22.31	91.33	7.0	33.47	8.1	23.0	0.74
I40	14 Sep 2026	9	22.19	80.92	6.8	33.47	8.1	23.0	1.06
I40	14 Sep 2026	10	21.98	62.89	6.7	33.47	8.1	23.1	2.46
I40	22 Sep 2026	1	22.89	71.49	6.8	33.52	8.2	22.8	1.13
I40	22 Sep 2026	2	22.89	76.68	6.8	33.52	8.2	22.8	1.17
I40	22 Sep 2026	3	22.89	76.85	6.8	33.52	8.2	22.8	1.33
I40	22 Sep 2026	4	22.84	77.44	6.8	33.54	8.2	22.9	1.41
I40	22 Sep 2026	5	22.16	79.51	6.9	33.55	8.2	23.1	1.29
I40	22 Sep 2026	6	21.38	82.43	7.0	33.53	8.2	23.3	1.35
I40	22 Sep 2026	7	20.71	82.67	6.9	33.49	8.2	23.4	1.45
I40	22 Sep 2026	8	20.72	76.94	6.8	33.47	8.1	23.4	2.49
I40	22 Sep 2026	9	20.57	63.82	6.6	33.47	8.1	23.4	3.27
I40	22 Sep 2026	10	20.49	58.54	6.4	33.47	8.1	23.5	3.50
I40	28 Sep 2026	1	21.71	94.74	7.2	33.44	8.1	23.1	0.46
I40	28 Sep 2026	2	21.57	94.80	7.2	33.43	8.1	23.1	0.44
I40	28 Sep 2026	3	21.45	94.80	7.2	33.46	8.1	23.2	0.46
I40	28 Sep 2026	4	21.34	94.55	7.2	33.46	8.1	23.2	0.72
I40	28 Sep 2026	5	21.29	91.94	7.2	33.45	8.1	23.2	1.08
I40	28 Sep 2026	6	21.27	89.64	7.1	33.45	8.1	23.2	1.11
I40	28 Sep 2026	7	21.27	87.85	7.1	33.45	8.1	23.2	1.21
I40	28 Sep 2026	8	21.26	86.19	7.2	33.45	8.1	23.2	1.28
I40	28 Sep 2026	9	21.25	84.15	7.1	33.44	8.1	23.2	1.50
I40	28 Sep 2026	10	21.25	81.56	7.1	33.44	8.1	23.2	1.88
I24	01 Sep 2026	1	21.49	85.82	7.5	33.34	8.1	23.1	0.46
I24	01 Sep 2026	2	21.47	85.80	7.5	33.35	8.1	23.1	0.46
I24	01 Sep 2026	3	21.29	85.72	7.5	33.35	8.1	23.2	0.48
I24	01 Sep 2026	4	20.65	87.23	7.7	33.37	8.1	23.3	0.45
I24	01 Sep 2026	5	20.27	90.38	7.7	33.37	8.1	23.4	0.41
I24	01 Sep 2026	6	20.09	89.56	7.7	33.35	8.1	23.5	0.52
I24	01 Sep 2026	7	20.08	87.95	7.7	33.35	8.1	23.5	0.71
I24	01 Sep 2026	8	20.09	87.42	7.7	33.35	8.1	23.5	0.76
I24	01 Sep 2026	9	20.06	86.98	7.7	33.35	8.1	23.5	0.95
I24	01 Sep 2026	10	20.06	86.64	7.8	33.35	8.1	23.5	1.13
I24	01 Sep 2026	11	20.06	86.69	7.7	33.35	8.1	23.5	1.11
I24	08 Sep 2026	1	18.97	94.55	7.4	33.38	8.1	23.8	0.18
I24	08 Sep 2026	2	18.78	97.73	7.4	33.40	8.1	23.9	0.14
I24	08 Sep 2026	3	18.34	97.96	7.5	33.39	8.1	24.0	0.11
I24	08 Sep 2026	4	18.17	97.55	7.5	33.39	8.1	24.0	0.16
I24	08 Sep 2026	5	18.05	96.30	7.5	33.38	8.1	24.0	0.23
I24	08 Sep 2026	6	17.99	95.17	7.5	33.38	8.1	24.0	0.29
I24	08 Sep 2026	7	17.71	92.93	7.4	33.38	8.1	24.1	0.35
I24	08 Sep 2026	8	17.65	80.03	7.4	33.37	8.1	24.1	0.85
I24	08 Sep 2026	9	17.61	73.82	7.4	33.37	8.1	24.1	1.12
I24	08 Sep 2026	10	17.53	67.26	7.4	33.37	8.1	24.1	1.85
I24	08 Sep 2026	11	17.52	63.86	7.5	33.37	8.1	24.1	2.21
I24	14 Sep 2026	1	23.35	73.89	7.0	33.39	8.1	22.6	0.31
I24	14 Sep 2026	2	23.35	88.26	7.0	33.47	8.1	22.7	0.35
I24	14 Sep 2026	3	23.33	92.10	6.9	33.48	8.1	22.7	0.35
I24	14 Sep 2026	4	23.30	92.07	7.0	33.48	8.1	22.7	0.40
I24	14 Sep 2026	5	22.92	92.06	6.9	33.50	8.1	22.8	0.41
I24	14 Sep 2026	6	22.33	93.18	7.1	33.48	8.1	23.0	0.38
I24	14 Sep 2026	7	22.32	93.91	7.1	33.47	8.1	23.0	0.35
I24	14 Sep 2026	8	22.23	93.72	7.1	33.47	8.1	23.0	0.41

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I24	14 Sep 2026	9	22.12	93.16	7.1	33.47	8.1	23.0	0.46
I24	14 Sep 2026	10	21.94	86.30	7.5	33.47	8.1	23.1	0.74
I24	14 Sep 2026	11	22.10	77.36	7.3	33.46	8.1	23.0	0.75
I24	22 Sep 2026	1	22.91	89.93	6.9	33.58	8.2	22.9	0.35
I24	22 Sep 2026	2	22.91	89.79	6.9	33.58	8.2	22.9	0.36
I24	22 Sep 2026	3	22.88	89.77	6.9	33.58	8.2	22.9	0.40
I24	22 Sep 2026	4	22.12	87.87	6.8	33.57	8.2	23.1	0.50
I24	22 Sep 2026	5	21.69	75.11	6.8	33.51	8.1	23.2	1.85
I24	22 Sep 2026	6	21.47	69.43	6.7	33.50	8.1	23.2	2.40
I24	22 Sep 2026	7	21.01	71.82	7.0	33.49	8.2	23.3	2.19
I24	22 Sep 2026	8	20.92	81.77	7.0	33.48	8.2	23.4	1.67
I24	22 Sep 2026	9	20.67	83.51	6.8	33.48	8.2	23.4	1.76
I24	22 Sep 2026	10	20.52	75.75	6.6	33.47	8.1	23.5	2.52
I24	22 Sep 2026	11	20.57	69.31	6.7	33.47	8.1	23.4	2.25
I24	28 Sep 2026	1	21.37	94.55	7.2	33.48	8.1	23.2	0.59
I24	28 Sep 2026	2	21.29	94.41	7.2	33.48	8.1	23.3	0.61
I24	28 Sep 2026	3	21.20	93.79	7.2	33.48	8.1	23.3	0.63
I24	28 Sep 2026	4	21.18	92.68	7.2	33.47	8.1	23.3	0.69
I24	28 Sep 2026	5	21.11	91.34	7.2	33.47	8.1	23.3	0.74
I24	28 Sep 2026	6	21.06	90.14	7.1	33.47	8.1	23.3	0.79
I24	28 Sep 2026	7	21.02	89.32	7.1	33.46	8.1	23.3	0.82
I24	28 Sep 2026	8	20.97	88.40	7.1	33.46	8.1	23.3	0.96
I24	28 Sep 2026	9	20.91	83.92	7.1	33.46	8.1	23.3	1.29
I24	28 Sep 2026	10	20.87	79.08	7.1	33.46	8.1	23.4	1.41
I25	01 Sep 2026	1	21.57	86.04	7.6	33.35	8.1	23.1	0.42
I25	01 Sep 2026	2	21.49	85.91	7.5	33.35	8.1	23.1	0.44
I25	01 Sep 2026	3	21.01	86.46	7.6	33.38	8.1	23.3	0.44
I25	01 Sep 2026	4	20.21	91.39	7.9	33.37	8.1	23.5	0.34
I25	01 Sep 2026	5	20.11	90.52	7.9	33.36	8.1	23.5	0.39
I25	01 Sep 2026	6	20.10	89.92	7.9	33.35	8.1	23.5	0.45
I25	01 Sep 2026	7	20.09	89.64	8.0	33.35	8.1	23.5	0.51
I25	01 Sep 2026	8	20.10	89.44	8.0	33.35	8.1	23.5	0.55
I25	01 Sep 2026	9	20.10	89.52	8.0	33.35	8.1	23.5	0.59
I25	08 Sep 2026	1	19.07	97.75	7.4	33.38	8.1	23.8	0.09
I25	08 Sep 2026	2	18.78	97.91	7.4	33.40	8.1	23.9	0.12
I25	08 Sep 2026	3	18.27	97.75	7.5	33.40	8.1	24.0	0.13
I25	08 Sep 2026	4	18.10	97.21	7.5	33.38	8.1	24.0	0.18
I25	08 Sep 2026	5	17.98	96.39	7.4	33.39	8.1	24.0	0.20
I25	08 Sep 2026	6	17.68	94.85	7.4	33.38	8.1	24.1	0.27
I25	08 Sep 2026	7	17.65	86.07	7.4	33.37	8.1	24.1	0.66
I25	08 Sep 2026	8	17.62	77.06	7.5	33.37	8.1	24.1	0.81
I25	08 Sep 2026	9	17.62	71.84	7.5	33.37	8.1	24.1	0.99
I25	14 Sep 2026	1	23.32	77.66	7.0	33.45	8.1	22.7	0.36
I25	14 Sep 2026	2	23.30	86.95	7.0	33.48	8.1	22.7	0.36
I25	14 Sep 2026	3	23.09	92.30	7.0	33.48	8.1	22.8	0.35
I25	14 Sep 2026	4	22.76	92.48	7.0	33.48	8.1	22.8	0.36
I25	14 Sep 2026	5	22.60	93.21	7.1	33.48	8.1	22.9	0.38
I25	14 Sep 2026	6	22.39	93.66	7.1	33.48	8.1	23.0	0.38
I25	14 Sep 2026	7	22.30	93.02	7.2	33.47	8.1	23.0	0.37
I25	14 Sep 2026	8	22.30	87.22	7.3	33.47	8.1	23.0	0.44
I25	14 Sep 2026	9	22.29	85.20	7.3	33.47	8.1	23.0	0.47
I25	22 Sep 2026	1	22.67	92.89	7.0	33.56	8.2	22.9	0.28
I25	22 Sep 2026	2	22.77	92.91	7.0	33.57	8.2	22.9	0.28
I25	22 Sep 2026	3	22.62	93.00	7.0	33.55	8.2	22.9	0.27
I25	22 Sep 2026	4	21.87	93.77	7.2	33.53	8.2	23.1	0.29
I25	22 Sep 2026	5	21.56	92.98	7.2	33.51	8.2	23.2	0.36
I25	22 Sep 2026	6	21.42	91.64	7.1	33.49	8.2	23.2	0.53
I25	22 Sep 2026	7	21.01	91.07	7.0	33.49	8.2	23.3	0.57
I25	22 Sep 2026	8	20.96	88.03	7.0	33.48	8.2	23.4	0.61
I25	22 Sep 2026	9	20.91	84.88	7.0	33.48	8.2	23.4	0.68
I25	28 Sep 2026	1	22.34	95.94	7.0	33.48	8.1	23.0	0.31
I25	28 Sep 2026	2	22.20	96.06	7.1	33.47	8.1	23.0	0.29
I25	28 Sep 2026	3	21.98	96.03	7.1	33.45	8.1	23.0	0.31
I25	28 Sep 2026	4	21.76	96.01	7.1	33.44	8.1	23.1	0.33
I25	28 Sep 2026	5	21.50	96.00	7.2	33.46	8.1	23.2	0.30
I25	28 Sep 2026	6	21.38	95.85	7.2	33.47	8.1	23.2	0.31
I25	28 Sep 2026	7	21.30	95.67	7.2	33.47	8.1	23.2	0.36

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I25	28 Sep 2026	8	21.22	95.54	7.2	33.48	8.1	23.3	0.39
I25	28 Sep 2026	9	20.98	93.66	7.2	33.47	8.1	23.3	0.57
I39	01 Sep 2026	1	22.22	84.76	7.3	33.35	8.1	22.9	0.53
I39	01 Sep 2026	2	22.19	84.95	7.3	33.35	8.1	22.9	0.54
I39	01 Sep 2026	3	22.10	85.28	7.3	33.35	8.1	22.9	0.58
I39	01 Sep 2026	4	21.88	84.90	7.4	33.35	8.1	23.0	0.68
I39	01 Sep 2026	5	21.78	84.96	7.4	33.34	8.1	23.0	0.78
I39	01 Sep 2026	6	21.75	85.50	7.4	33.34	8.1	23.0	0.82
I39	01 Sep 2026	7	21.65	85.82	7.4	33.34	8.1	23.1	0.89
I39	01 Sep 2026	8	21.62	87.05	7.4	33.35	8.1	23.1	0.90
I39	01 Sep 2026	9	20.75	88.21	7.6	33.38	8.1	23.3	0.80
I39	01 Sep 2026	10	20.69	89.42	7.6	33.37	8.1	23.3	0.65
I39	01 Sep 2026	11	19.68	92.22	7.8	33.38	8.1	23.6	0.61
I39	01 Sep 2026	12	19.60	92.96	7.8	33.36	8.1	23.6	0.53
I39	01 Sep 2026	13	19.53	92.77	7.8	33.35	8.1	23.6	0.55
I39	01 Sep 2026	14	19.49	92.56	7.7	33.35	8.1	23.6	0.57
I39	01 Sep 2026	15	19.38	92.20	7.7	33.35	8.1	23.7	0.58
I39	01 Sep 2026	16	19.36	91.64	7.8	33.35	8.1	23.7	0.62
I39	01 Sep 2026	17	19.19	91.31	7.8	33.36	8.1	23.7	0.67
I39	01 Sep 2026	18	19.07	90.74	7.7	33.36	8.1	23.7	0.72
I39	08 Sep 2026	1	19.43	97.23	7.4	33.38	8.1	23.7	0.20
I39	08 Sep 2026	2	19.36	97.23	7.4	33.39	8.1	23.7	0.19
I39	08 Sep 2026	3	18.87	97.24	7.5	33.42	8.1	23.8	0.19
I39	08 Sep 2026	4	18.52	96.82	7.6	33.39	8.1	23.9	0.26
I39	08 Sep 2026	5	18.44	94.90	7.6	33.38	8.1	23.9	0.34
I39	08 Sep 2026	6	18.42	94.27	7.6	33.38	8.1	23.9	0.39
I39	08 Sep 2026	7	18.29	94.27	7.6	33.39	8.1	24.0	0.42
I39	08 Sep 2026	8	18.21	94.00	7.6	33.39	8.1	24.0	0.45
I39	08 Sep 2026	9	18.20	93.07	7.5	33.39	8.1	24.0	0.55
I39	08 Sep 2026	10	18.21	92.11	7.6	33.39	8.1	24.0	0.63
I39	08 Sep 2026	11	18.13	91.95	7.5	33.40	8.1	24.0	0.65
I39	08 Sep 2026	12	18.02	91.74	7.5	33.40	8.1	24.0	0.73
I39	08 Sep 2026	13	17.83	91.71	7.5	33.40	8.1	24.1	0.80
I39	08 Sep 2026	14	17.75	89.58	7.5	33.39	8.1	24.1	1.03
I39	08 Sep 2026	15	17.64	86.06	7.4	33.39	8.1	24.1	1.14
I39	08 Sep 2026	16	17.54	84.17	7.3	33.39	8.1	24.1	1.28
I39	08 Sep 2026	17	17.52	81.72	7.3	33.38	8.1	24.2	1.44
I39	08 Sep 2026	18	17.50	79.63	7.2	33.38	8.1	24.2	1.38
I39	14 Sep 2026	1	23.31	93.48	7.0	33.48	8.1	22.7	0.22
I39	14 Sep 2026	2	23.30	93.52	7.0	33.48	8.1	22.7	0.24
I39	14 Sep 2026	3	23.29	93.53	6.9	33.49	8.1	22.7	0.26
I39	14 Sep 2026	4	23.06	93.48	7.0	33.50	8.1	22.8	0.27
I39	14 Sep 2026	5	22.87	93.77	6.9	33.50	8.1	22.8	0.24
I39	14 Sep 2026	6	22.69	95.00	6.9	33.50	8.1	22.9	0.22
I39	14 Sep 2026	7	22.61	95.38	7.0	33.49	8.1	22.9	0.22
I39	14 Sep 2026	8	22.50	95.50	7.0	33.49	8.1	22.9	0.23
I39	14 Sep 2026	9	22.29	95.26	7.1	33.48	8.1	23.0	0.26
I39	14 Sep 2026	10	22.21	94.68	7.0	33.47	8.1	23.0	0.32
I39	14 Sep 2026	11	22.14	94.49	7.1	33.47	8.1	23.0	0.37
I39	14 Sep 2026	12	22.12	94.32	7.1	33.47	8.1	23.0	0.37
I39	14 Sep 2026	13	22.06	93.58	7.0	33.47	8.1	23.0	0.42
I39	14 Sep 2026	14	21.98	92.08	7.0	33.47	8.1	23.1	0.49
I39	14 Sep 2026	15	21.96	90.32	7.0	33.47	8.1	23.1	0.55
I39	14 Sep 2026	16	21.57	88.81	6.9	33.47	8.1	23.2	0.62
I39	14 Sep 2026	17	21.27	82.95	7.0	33.46	8.1	23.3	0.84
I39	14 Sep 2026	18	21.11	87.11	7.1	33.45	8.1	23.3	0.97
I39	22 Sep 2026	1	22.57	95.42	7.0	33.56	8.2	23.0	0.27
I39	22 Sep 2026	2	22.58	95.55	7.0	33.56	8.2	23.0	0.28
I39	22 Sep 2026	3	22.57	95.63	7.0	33.56	8.2	23.0	0.29
I39	22 Sep 2026	4	22.57	95.60	7.0	33.56	8.2	23.0	0.30
I39	22 Sep 2026	5	22.57	95.55	7.0	33.56	8.2	23.0	0.32
I39	22 Sep 2026	6	22.55	95.52	6.9	33.56	8.2	23.0	0.33
I39	22 Sep 2026	7	21.93	95.40	7.1	33.55	8.2	23.1	0.35
I39	22 Sep 2026	8	21.41	95.55	7.3	33.49	8.2	23.2	0.38
I39	22 Sep 2026	9	21.24	96.09	7.3	33.50	8.2	23.3	0.38
I39	22 Sep 2026	10	21.02	96.18	7.3	33.48	8.2	23.3	0.40
I39	22 Sep 2026	11	20.94	96.41	7.3	33.48	8.2	23.4	0.46
I39	22 Sep 2026	12	20.79	96.46	7.3	33.48	8.2	23.4	0.57
I39	22 Sep 2026	13	20.72	96.27	7.3	33.48	8.2	23.4	0.61
I39	22 Sep 2026	14	20.56	95.88	7.3	33.48	8.2	23.5	0.67

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I39	22 Sep 2026	15	20.52	95.57	7.3	33.47	8.2	23.5	0.80
I39	22 Sep 2026	16	20.45	94.87	7.3	33.48	8.2	23.5	0.98
I39	22 Sep 2026	17	20.28	92.81	7.2	33.48	8.2	23.5	1.31
I39	22 Sep 2026	18	20.03	92.47	7.1	33.47	8.2	23.6	1.40
I39	28 Sep 2026	1	22.48	96.53	6.9	33.52	8.1	23.0	0.24
I39	28 Sep 2026	2	22.35	96.71	7.0	33.52	8.1	23.0	0.23
I39	28 Sep 2026	3	22.28	96.65	7.0	33.52	8.1	23.0	0.24
I39	28 Sep 2026	4	22.12	96.68	7.0	33.52	8.1	23.1	0.26
I39	28 Sep 2026	5	21.62	96.46	7.1	33.50	8.1	23.2	0.32
I39	28 Sep 2026	6	21.59	96.32	7.1	33.49	8.1	23.2	0.33
I39	28 Sep 2026	7	21.30	96.34	7.1	33.49	8.1	23.3	0.34
I39	28 Sep 2026	8	20.93	96.26	7.3	33.47	8.1	23.3	0.35
I39	28 Sep 2026	9	20.77	95.71	7.2	33.47	8.1	23.4	0.39
I39	28 Sep 2026	10	20.70	94.99	7.3	33.46	8.1	23.4	0.44
I39	28 Sep 2026	11	20.64	94.53	7.2	33.46	8.1	23.4	0.47
I39	28 Sep 2026	12	20.52	93.99	7.2	33.46	8.1	23.5	0.55
I39	28 Sep 2026	13	20.46	92.01	7.2	33.46	8.1	23.5	0.81
I39	28 Sep 2026	14	20.44	91.07	7.2	33.46	8.1	23.5	0.73
I39	28 Sep 2026	15	20.41	90.43	7.1	33.46	8.1	23.5	0.81
I39	28 Sep 2026	16	20.39	89.89	7.2	33.46	8.1	23.5	0.86
I39	28 Sep 2026	17	20.39	88.94	7.1	33.46	8.1	23.5	0.85
I39	28 Sep 2026	18	20.38	88.30	7.1	33.46	8.1	23.5	0.86
I26	01 Sep 2026	1	21.94	83.73	7.3	33.34	8.1	23.0	0.41
I26	01 Sep 2026	2	21.52	83.70	7.4	33.37	8.1	23.1	0.42
I26	01 Sep 2026	3	20.94	84.03	7.7	33.35	8.1	23.3	0.38
I26	01 Sep 2026	4	20.78	86.78	7.7	33.35	8.1	23.3	0.40
I26	01 Sep 2026	5	20.71	87.64	7.7	33.34	8.1	23.3	0.43
I26	01 Sep 2026	6	20.65	87.78	7.7	33.35	8.1	23.3	0.47
I26	01 Sep 2026	7	20.55	88.09	7.6	33.35	8.1	23.4	0.56
I26	01 Sep 2026	8	20.54	86.28	7.5	33.34	8.1	23.4	0.69
I26	01 Sep 2026	9	20.50	84.55	7.4	33.34	8.1	23.4	0.85
I26	08 Sep 2026	1	19.62	93.76	7.4	33.38	8.1	23.6	0.20
I26	08 Sep 2026	2	19.61	93.77	7.4	33.38	8.1	23.6	0.20
I26	08 Sep 2026	3	19.38	93.68	7.3	33.39	8.1	23.7	0.19
I26	08 Sep 2026	4	18.90	94.86	7.4	33.39	8.1	23.8	0.18
I26	08 Sep 2026	5	18.38	97.24	7.4	33.40	8.1	23.9	0.15
I26	08 Sep 2026	6	18.27	97.49	7.5	33.38	8.1	24.0	0.16
I26	08 Sep 2026	7	18.02	90.29	7.5	33.38	8.1	24.0	0.26
I26	08 Sep 2026	8	18.01	84.92	7.5	33.37	8.1	24.0	0.47
I26	08 Sep 2026	9	18.00	83.30	7.5	33.37	8.1	24.0	0.60
I26	14 Sep 2026	1	23.40	88.69	7.0	33.44	8.1	22.6	0.42
I26	14 Sep 2026	2	23.40	91.00	7.0	33.49	8.1	22.7	0.39
I26	14 Sep 2026	3	23.40	91.97	7.0	33.49	8.1	22.7	0.39
I26	14 Sep 2026	4	23.40	92.03	6.9	33.49	8.1	22.7	0.42
I26	14 Sep 2026	5	23.35	91.91	6.9	33.49	8.1	22.7	0.50
I26	14 Sep 2026	6	23.35	91.21	7.0	33.49	8.1	22.7	0.57
I26	14 Sep 2026	7	23.30	90.64	7.0	33.49	8.1	22.7	0.58
I26	14 Sep 2026	8	23.07	89.60	6.8	33.49	8.1	22.8	0.66
I26	14 Sep 2026	9	22.54	87.25	7.0	33.48	8.1	22.9	0.66
I26	22 Sep 2026	1	23.04	91.84	6.9	33.58	8.2	22.8	0.28
I26	22 Sep 2026	2	22.88	91.76	6.9	33.57	8.2	22.9	0.26
I26	22 Sep 2026	3	22.62	91.78	7.0	33.57	8.2	23.0	0.28
I26	22 Sep 2026	4	22.01	93.87	7.2	33.52	8.2	23.1	0.26
I26	22 Sep 2026	5	21.75	95.08	7.3	33.51	8.2	23.2	0.27
I26	22 Sep 2026	6	21.63	93.96	7.3	33.50	8.2	23.2	0.34
I26	22 Sep 2026	7	21.30	93.99	7.2	33.50	8.2	23.3	0.42
I26	22 Sep 2026	8	20.93	90.85	7.1	33.49	8.2	23.4	0.66
I26	22 Sep 2026	9	20.92	85.63	7.1	33.48	8.2	23.4	0.72
I26	28 Sep 2026	1	22.29	95.80	7.0	33.49	8.1	23.0	0.31
I26	28 Sep 2026	2	22.22	95.82	7.0	33.49	8.1	23.0	0.29
I26	28 Sep 2026	3	22.06	96.00	7.0	33.48	8.1	23.0	0.30
I26	28 Sep 2026	4	21.86	96.13	7.1	33.47	8.1	23.1	0.30
I26	28 Sep 2026	5	21.78	96.11	7.1	33.46	8.1	23.1	0.35
I26	28 Sep 2026	6	21.38	95.47	7.2	33.46	8.1	23.2	0.45
I26	28 Sep 2026	7	21.11	91.58	7.1	33.46	8.1	23.3	0.60
I26	28 Sep 2026	8	21.04	86.37	7.2	33.45	8.1	23.3	0.68
I26	28 Sep 2026	9	20.99	83.21	7.1	33.46	8.1	23.3	0.73

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I32	01 Sep 2026	1	22.31	73.12	7.2	33.34	8.1	22.9	0.73
I32	01 Sep 2026	2	22.30	71.95	7.2	33.34	8.1	22.9	0.74
I32	01 Sep 2026	3	22.25	73.13	7.2	33.34	8.1	22.9	0.79
I32	01 Sep 2026	4	22.05	72.92	7.2	33.34	8.1	22.9	1.05
I32	01 Sep 2026	5	21.37	71.87	7.3	33.36	8.1	23.1	1.41
I32	01 Sep 2026	6	20.85	69.49	7.6	33.35	8.1	23.3	1.91
I32	01 Sep 2026	7	20.62	70.10	7.5	33.34	8.1	23.3	2.14
I32	01 Sep 2026	8	20.29	71.51	7.3	33.34	8.1	23.4	2.38
I32	01 Sep 2026	9	20.15	72.48	7.1	33.33	8.1	23.4	2.41
I32	01 Sep 2026	10	20.10	70.42	6.8	33.32	8.1	23.5	2.48
I32	08 Sep 2026	1	20.13	68.31	7.2	33.37	8.1	23.5	0.64
I32	08 Sep 2026	2	20.04	67.44	7.2	33.38	8.1	23.5	0.68
I32	08 Sep 2026	3	19.77	66.27	7.2	33.38	8.1	23.6	0.86
I32	08 Sep 2026	4	19.44	63.73	7.2	33.38	8.1	23.7	1.32
I32	08 Sep 2026	5	19.11	59.36	7.0	33.38	8.1	23.8	1.85
I32	08 Sep 2026	6	18.92	54.29	6.7	33.37	8.0	23.8	2.42
I32	08 Sep 2026	7	18.91	47.06	6.6	33.37	8.0	23.8	2.46
I32	08 Sep 2026	8	18.82	41.28	6.3	33.38	8.0	23.8	2.51
I32	08 Sep 2026	9	18.77	38.53	6.3	33.38	8.0	23.8	2.52
I32	08 Sep 2026	10	18.72	36.96	6.3	33.37	8.0	23.8	2.52
I32	14 Sep 2026	1	23.51	88.71	7.1	33.48	8.1	22.6	0.36
I32	14 Sep 2026	2	23.51	88.58	7.0	33.48	8.1	22.6	0.33
I32	14 Sep 2026	3	23.52	88.00	7.1	33.48	8.1	22.6	0.34
I32	14 Sep 2026	4	23.52	88.73	7.1	33.48	8.1	22.6	0.36
I32	14 Sep 2026	5	23.48	88.11	7.1	33.49	8.1	22.6	0.40
I32	14 Sep 2026	6	23.39	83.43	7.0	33.48	8.1	22.7	0.51
I32	14 Sep 2026	7	23.31	79.95	7.0	33.47	8.1	22.7	0.87
I32	14 Sep 2026	8	23.15	73.69	6.9	33.47	8.1	22.7	1.28
I32	14 Sep 2026	9	22.56	61.53	6.5	33.48	8.1	22.9	2.31
I32	14 Sep 2026	10	22.09	54.99	6.2	33.47	8.1	23.0	3.76
I32	22 Sep 2026	1	22.81	76.65	6.9	33.57	8.2	22.9	0.88
I32	22 Sep 2026	2	22.64	76.30	6.9	33.56	8.2	22.9	0.89
I32	22 Sep 2026	3	22.13	74.59	7.1	33.52	8.2	23.1	1.23
I32	22 Sep 2026	4	22.10	74.53	7.1	33.51	8.2	23.1	1.33
I32	22 Sep 2026	5	21.49	71.30	7.2	33.49	8.2	23.2	1.71
I32	22 Sep 2026	6	21.45	69.77	7.1	33.48	8.2	23.2	2.33
I32	22 Sep 2026	7	21.13	70.80	7.1	33.48	8.2	23.3	2.63
I32	22 Sep 2026	8	21.07	70.52	7.0	33.48	8.2	23.3	2.79
I32	22 Sep 2026	9	20.96	65.16	7.0	33.48	8.2	23.3	2.85
I32	22 Sep 2026	10	20.94	60.78	7.0	33.48	8.2	23.4	2.88
I32	28 Sep 2026	1	21.71	80.81	7.1	33.37	8.1	23.1	1.03
I32	28 Sep 2026	2	21.58	79.19	7.1	33.38	8.1	23.1	1.00
I32	28 Sep 2026	3	21.55	78.95	7.1	33.38	8.1	23.1	1.36
I32	28 Sep 2026	4	21.41	80.13	7.2	33.39	8.1	23.2	1.64
I32	28 Sep 2026	5	21.39	81.55	7.2	33.39	8.1	23.2	1.72
I32	28 Sep 2026	6	21.37	81.51	7.2	33.39	8.1	23.2	1.77
I32	28 Sep 2026	7	21.36	81.10	7.1	33.40	8.1	23.2	1.68
I32	28 Sep 2026	8	21.35	79.95	7.1	33.40	8.1	23.2	1.62
I32	28 Sep 2026	9	21.31	79.60	7.0	33.40	8.1	23.2	1.61
I32	28 Sep 2026	10	21.24	77.95	6.8	33.41	8.1	23.2	1.46

NA = not available

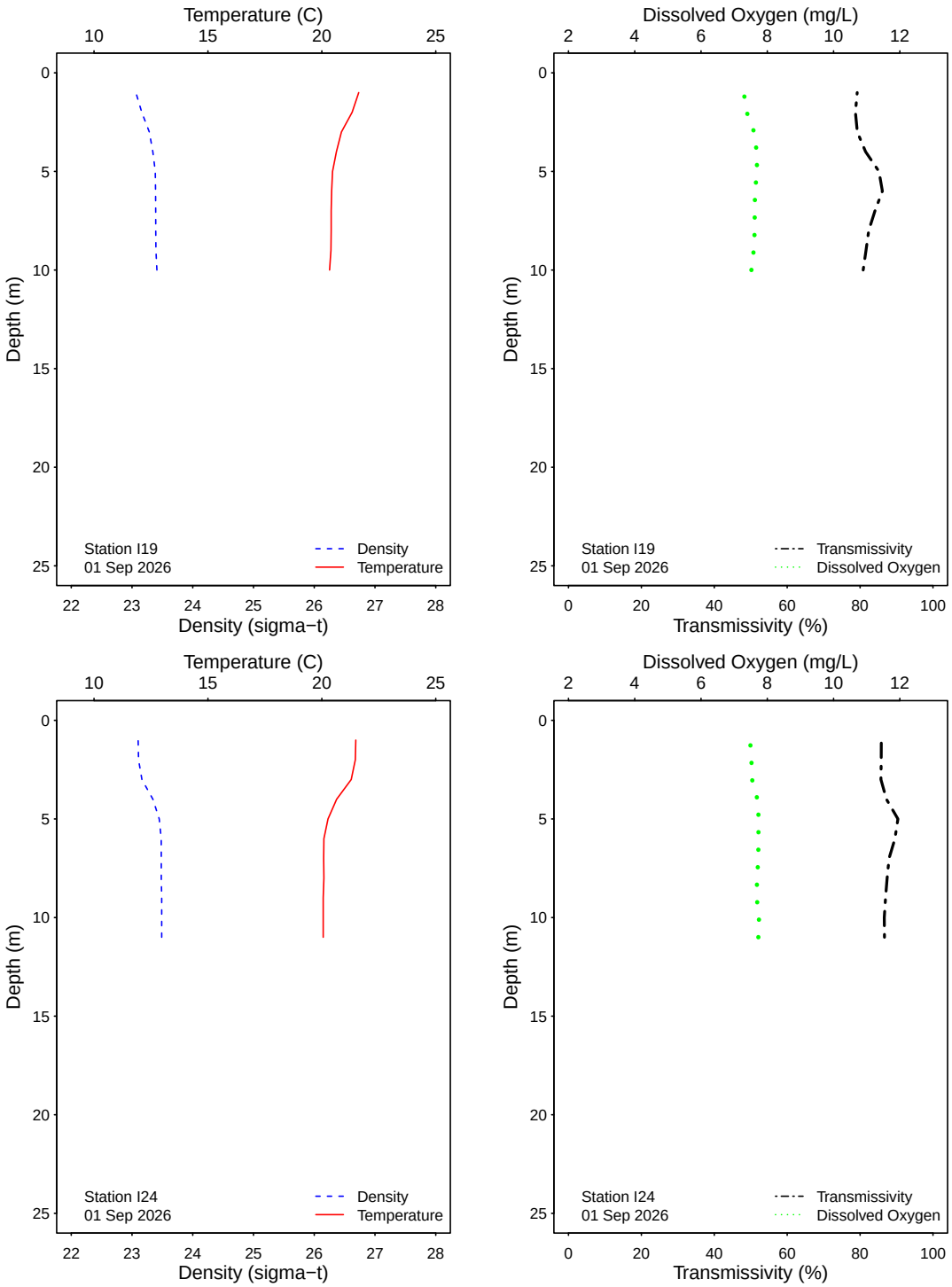


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

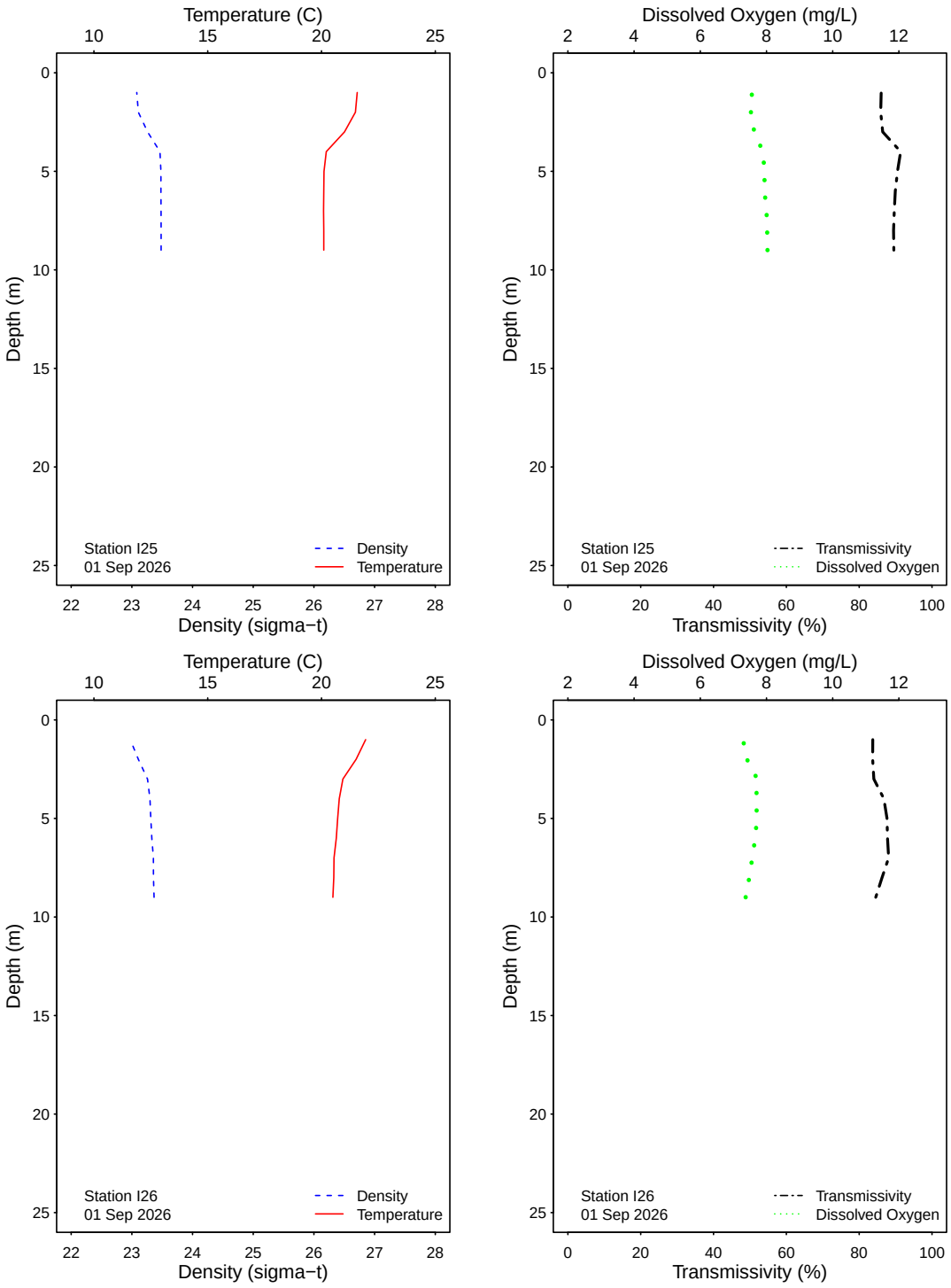


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

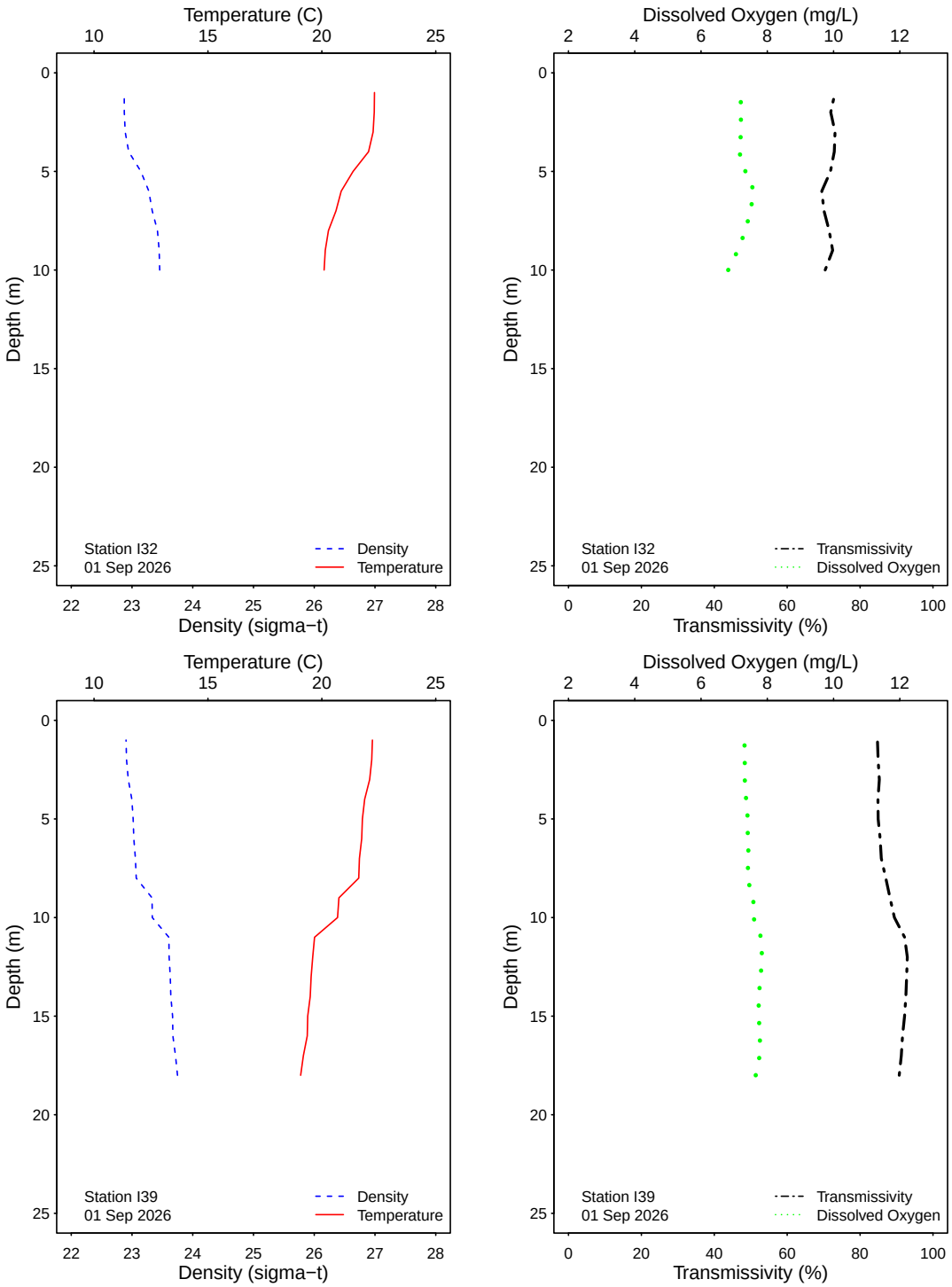


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

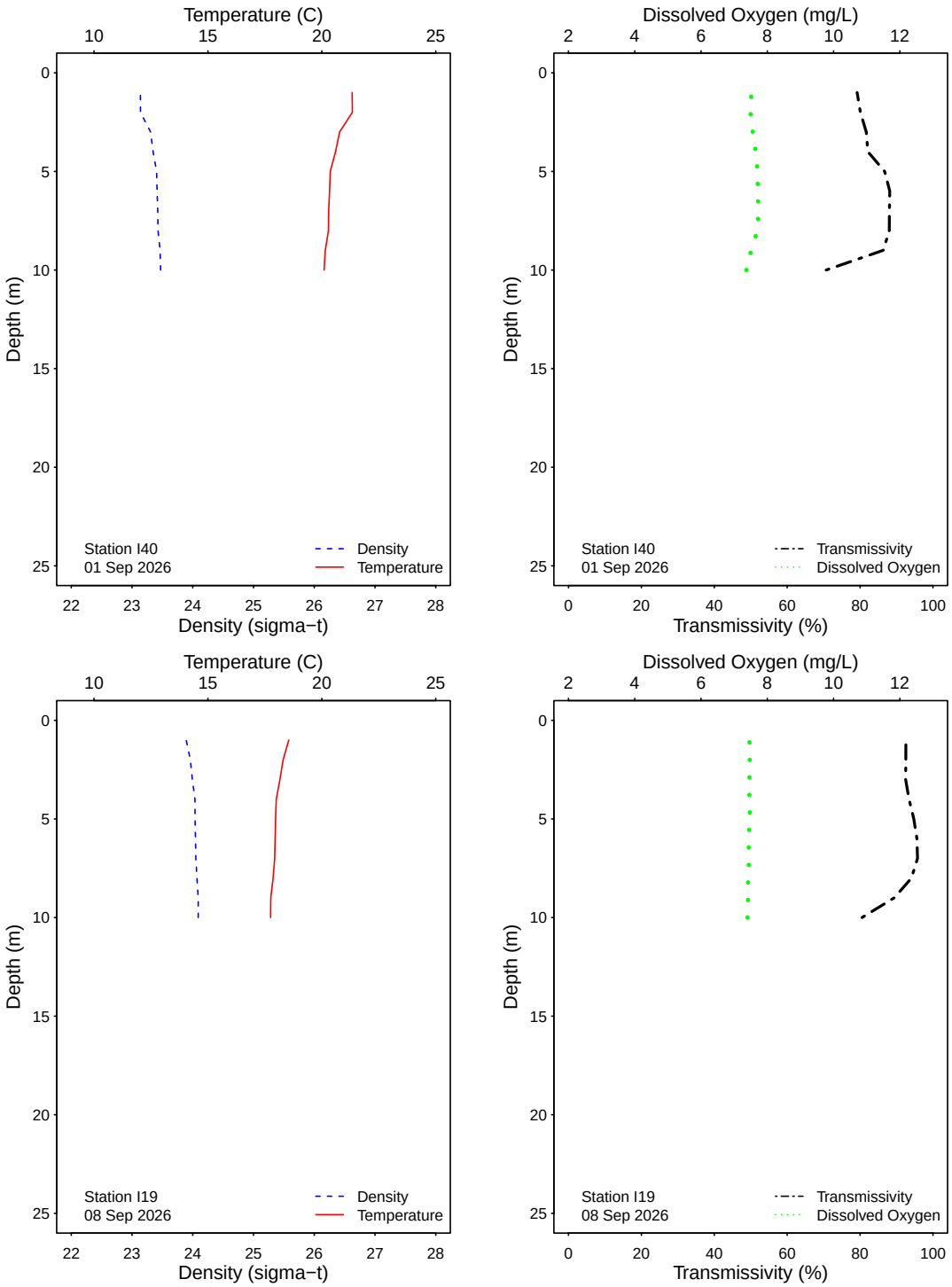


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

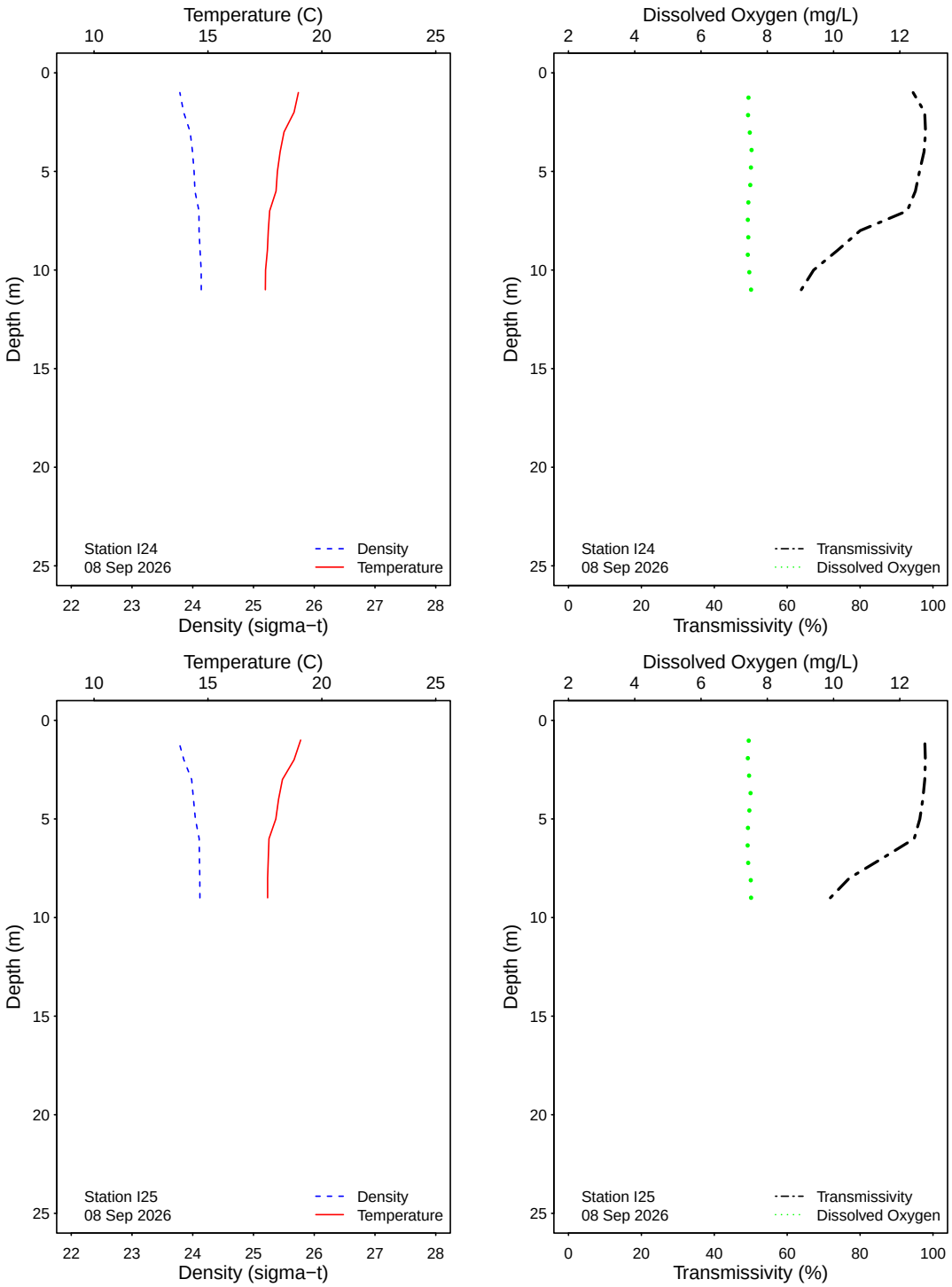


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

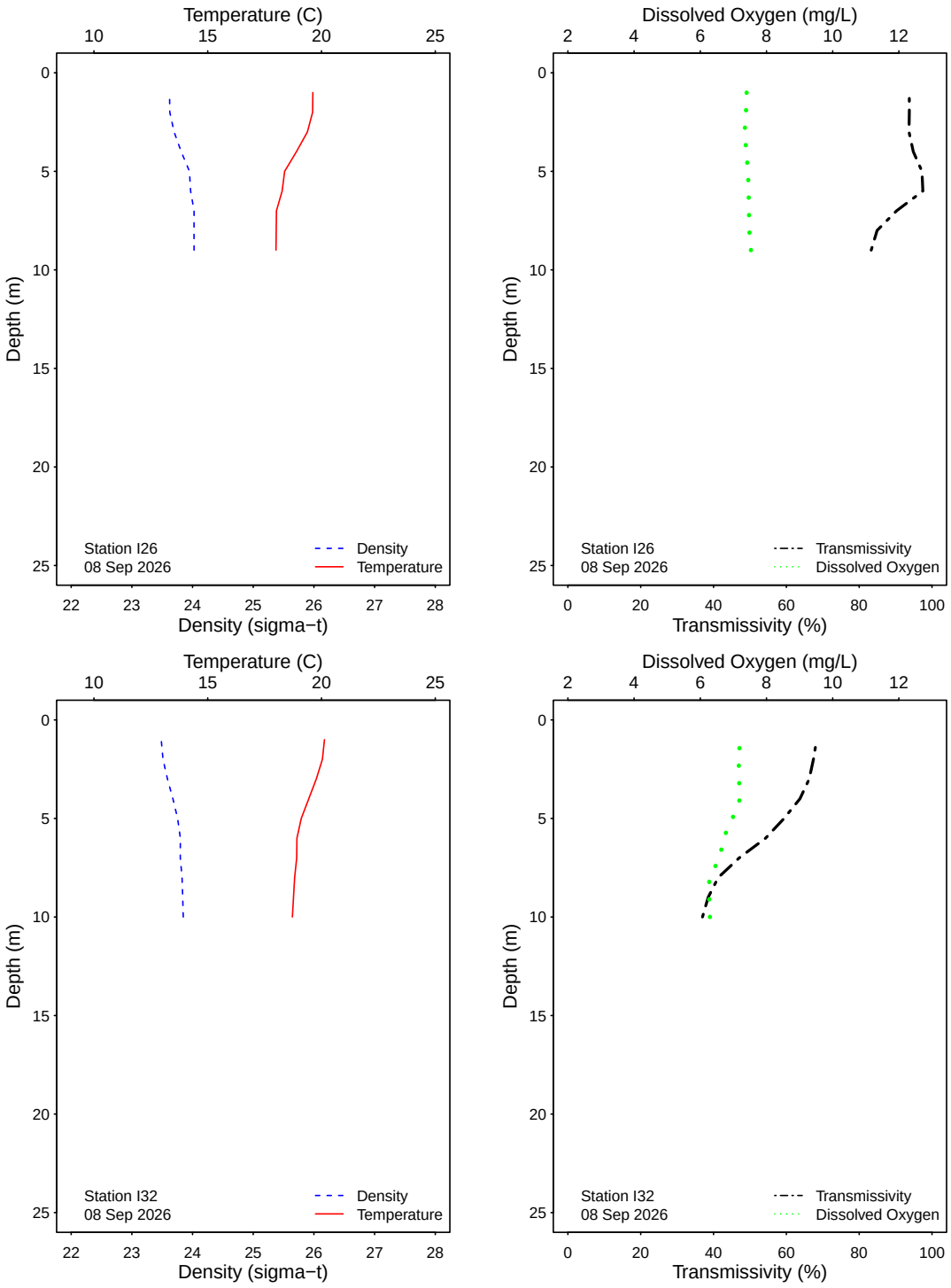


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

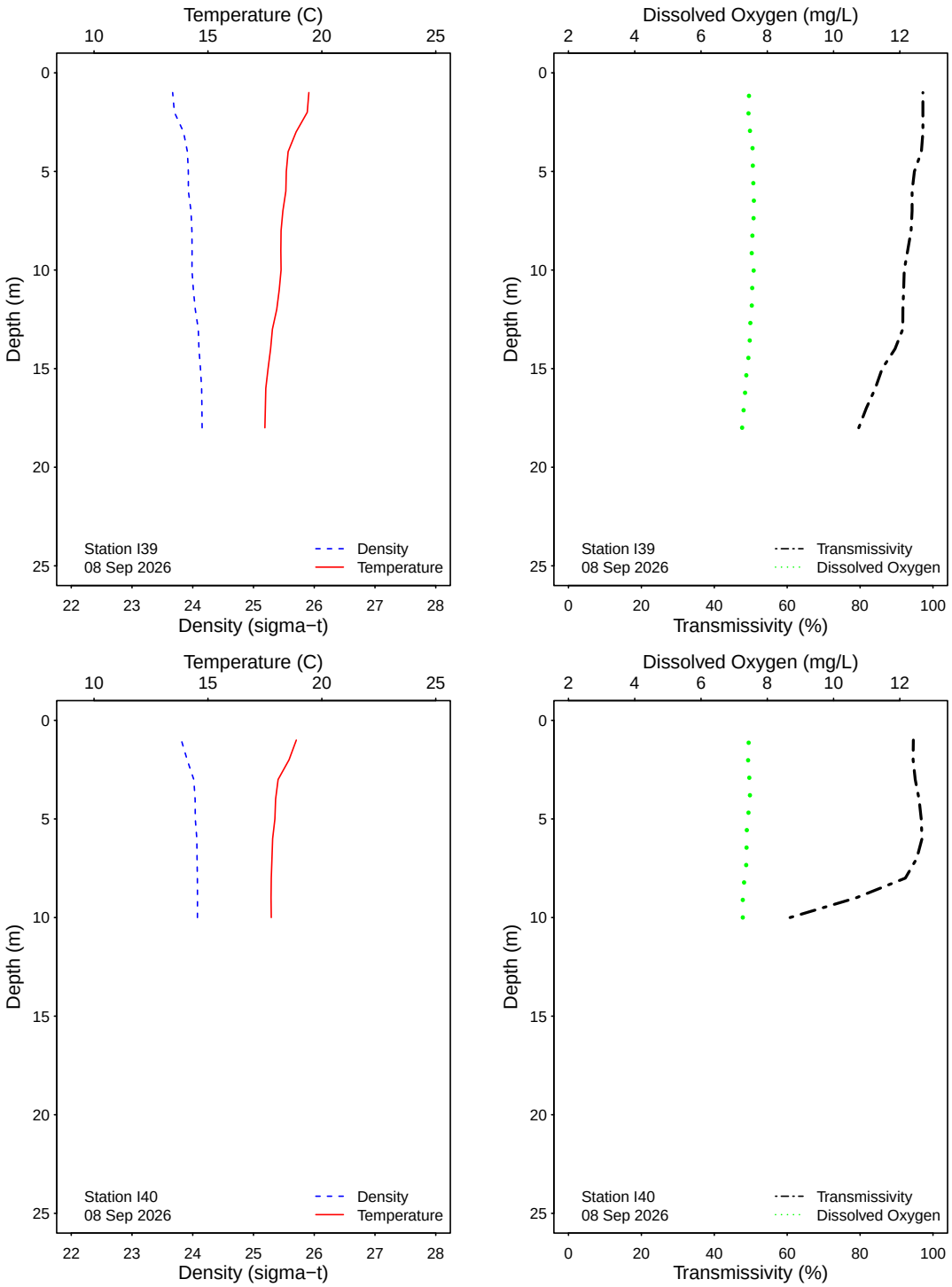


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

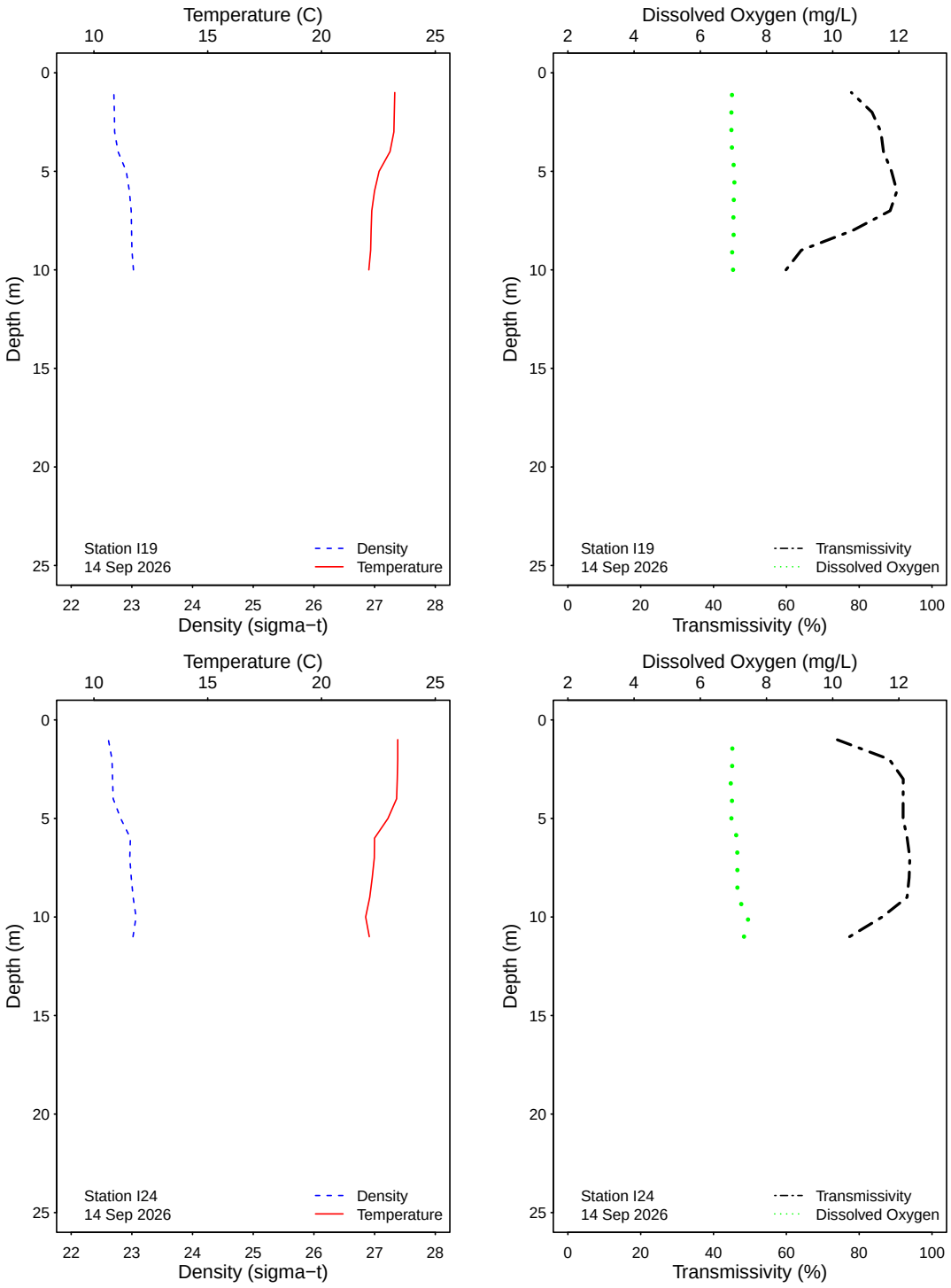


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

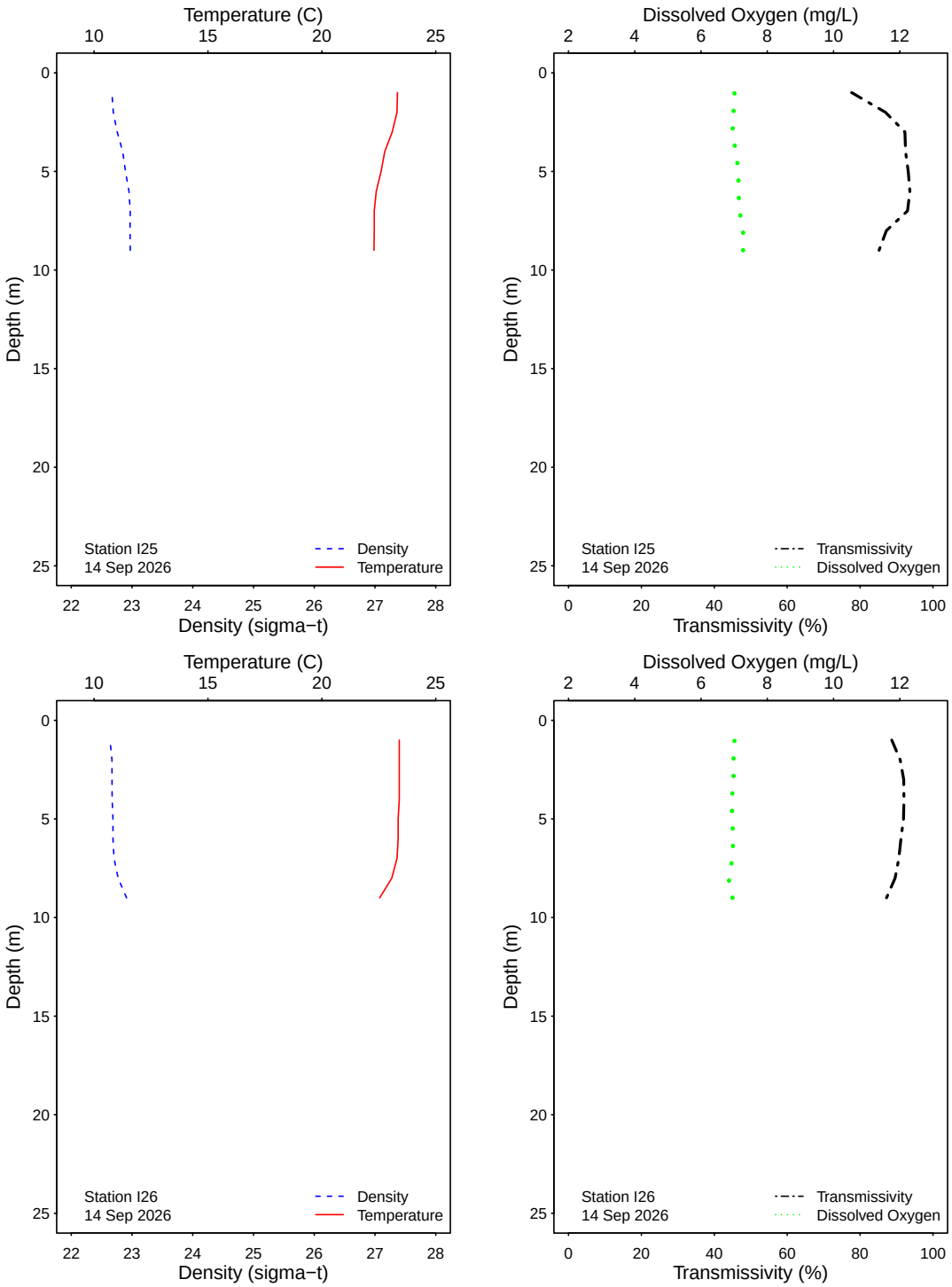


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

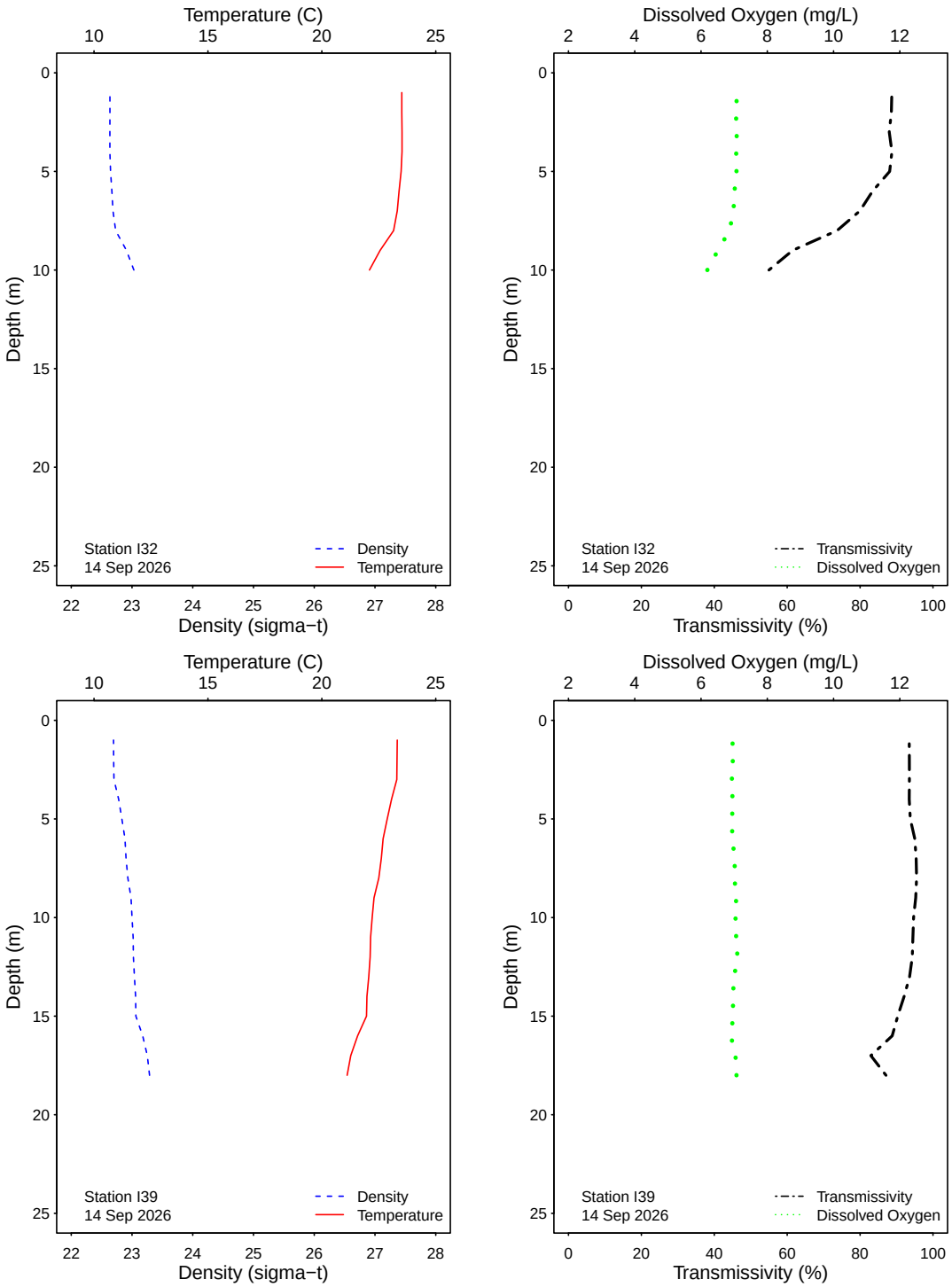


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

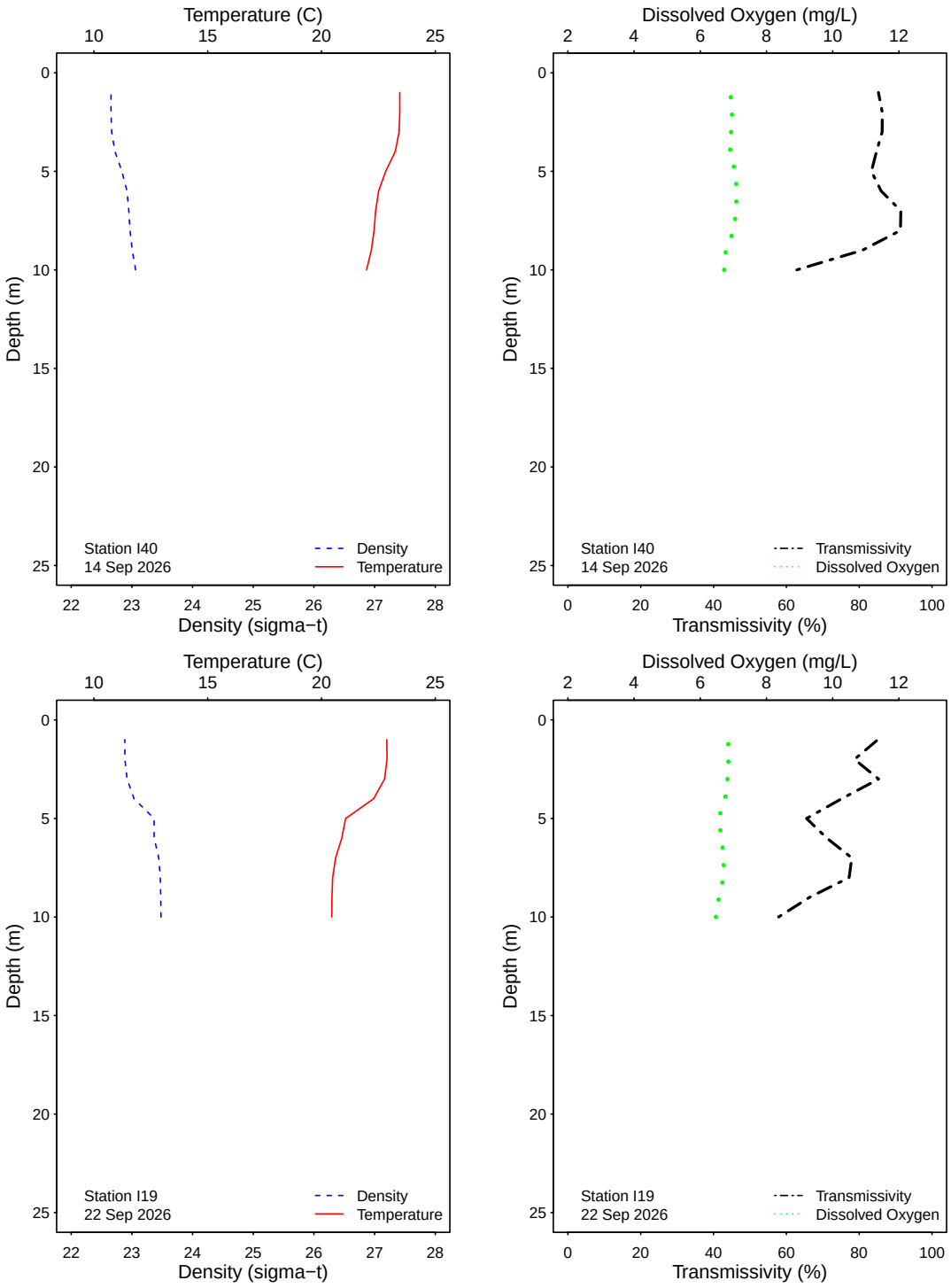


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

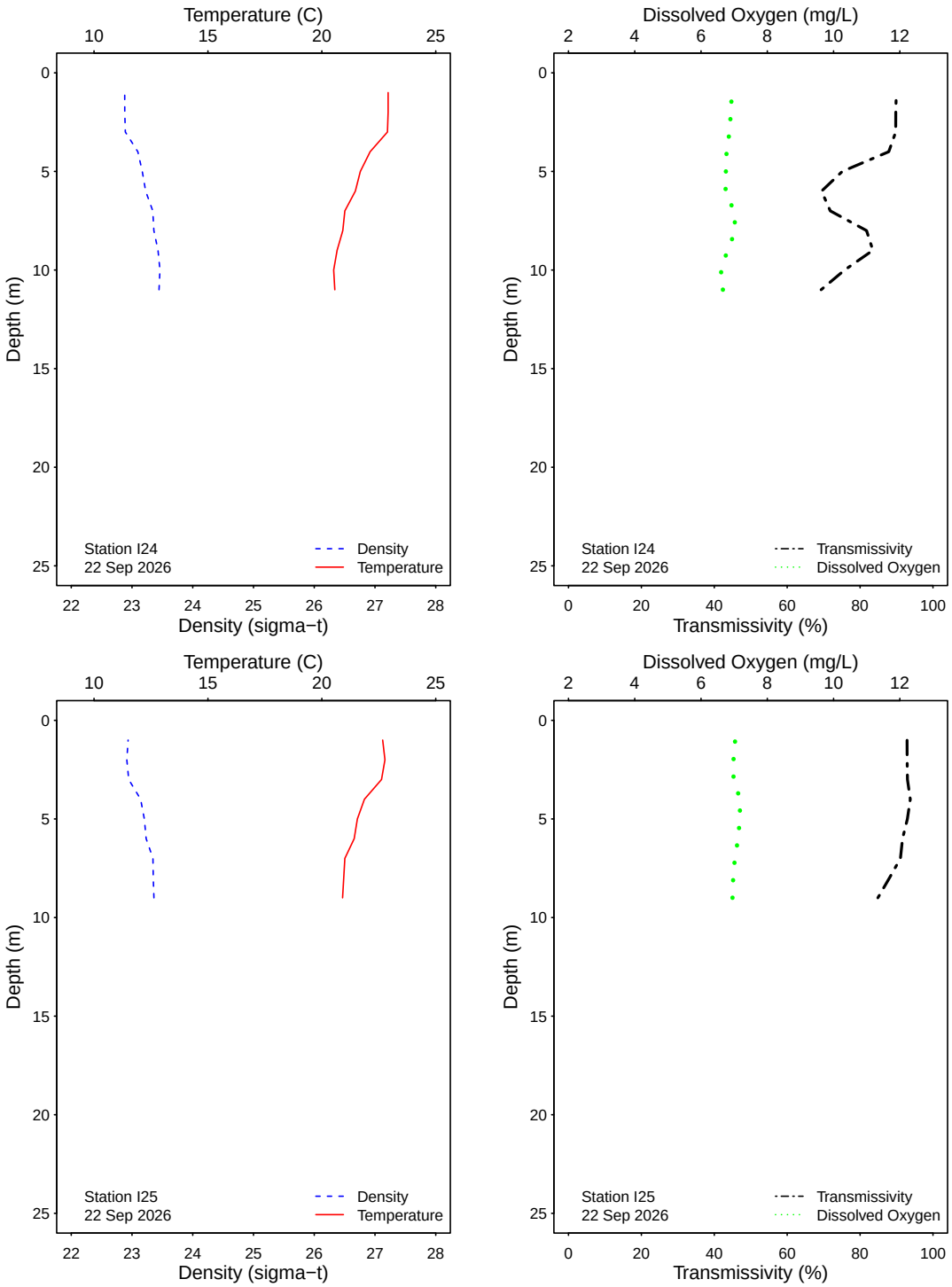


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

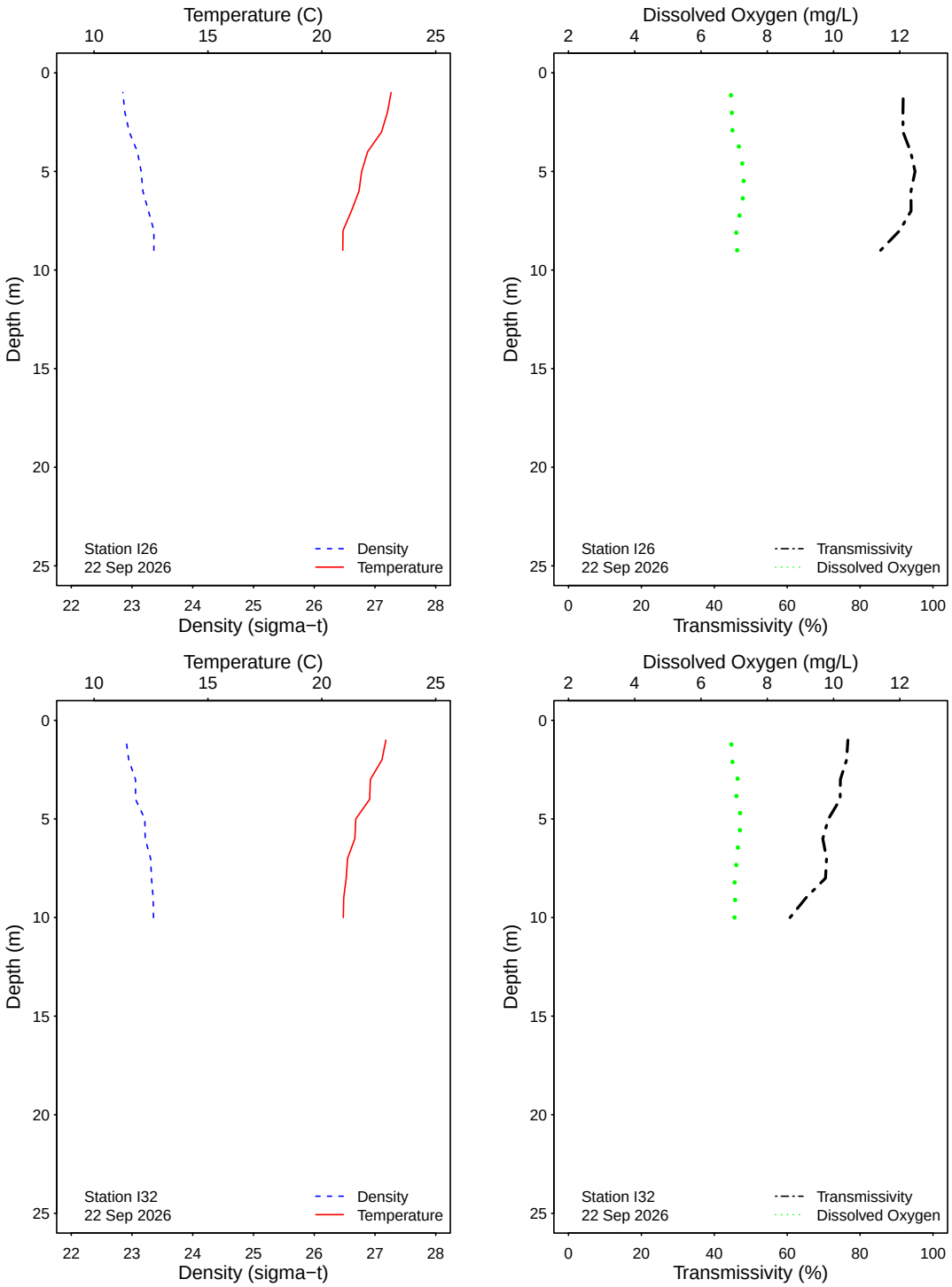


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

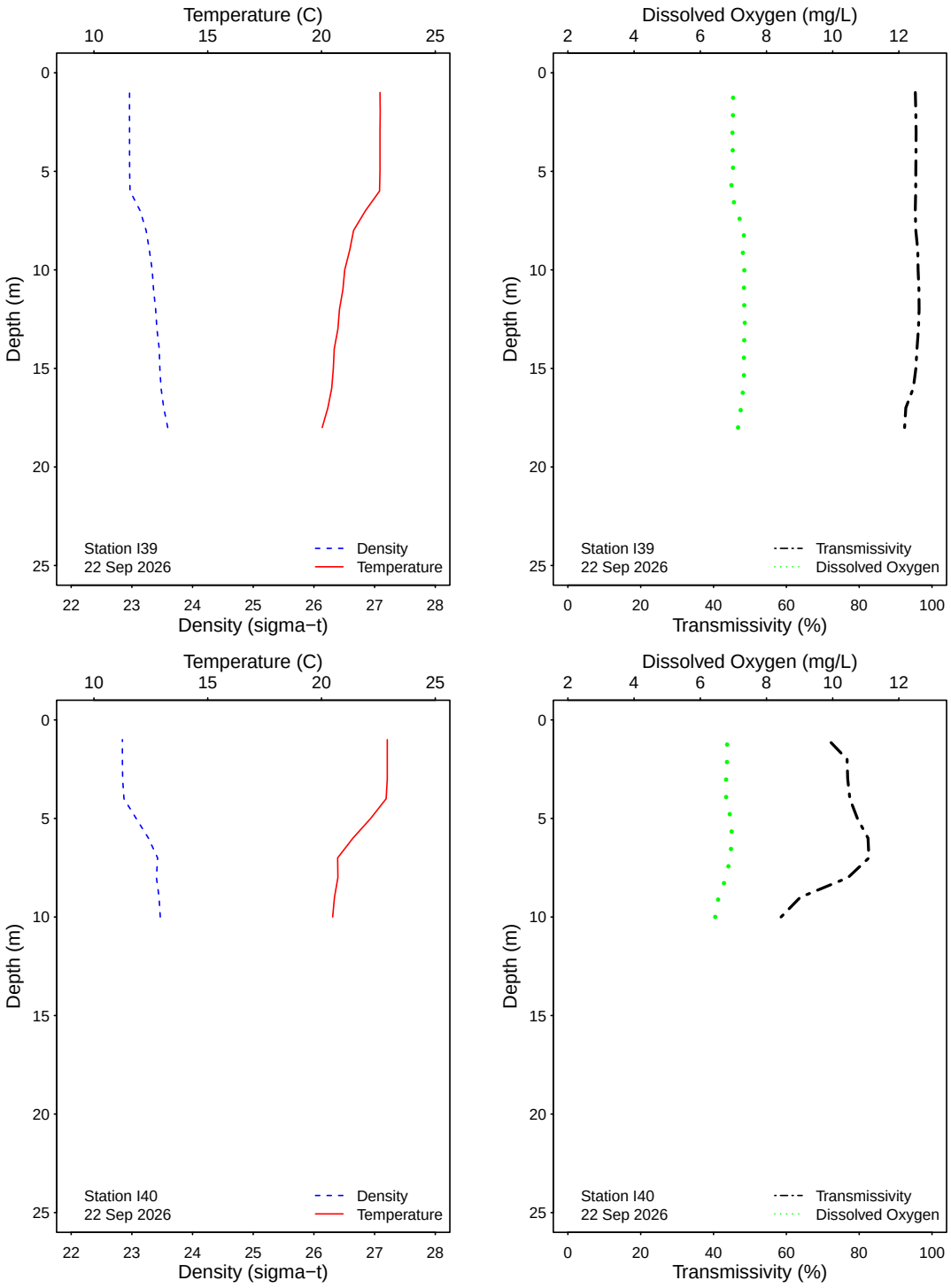


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

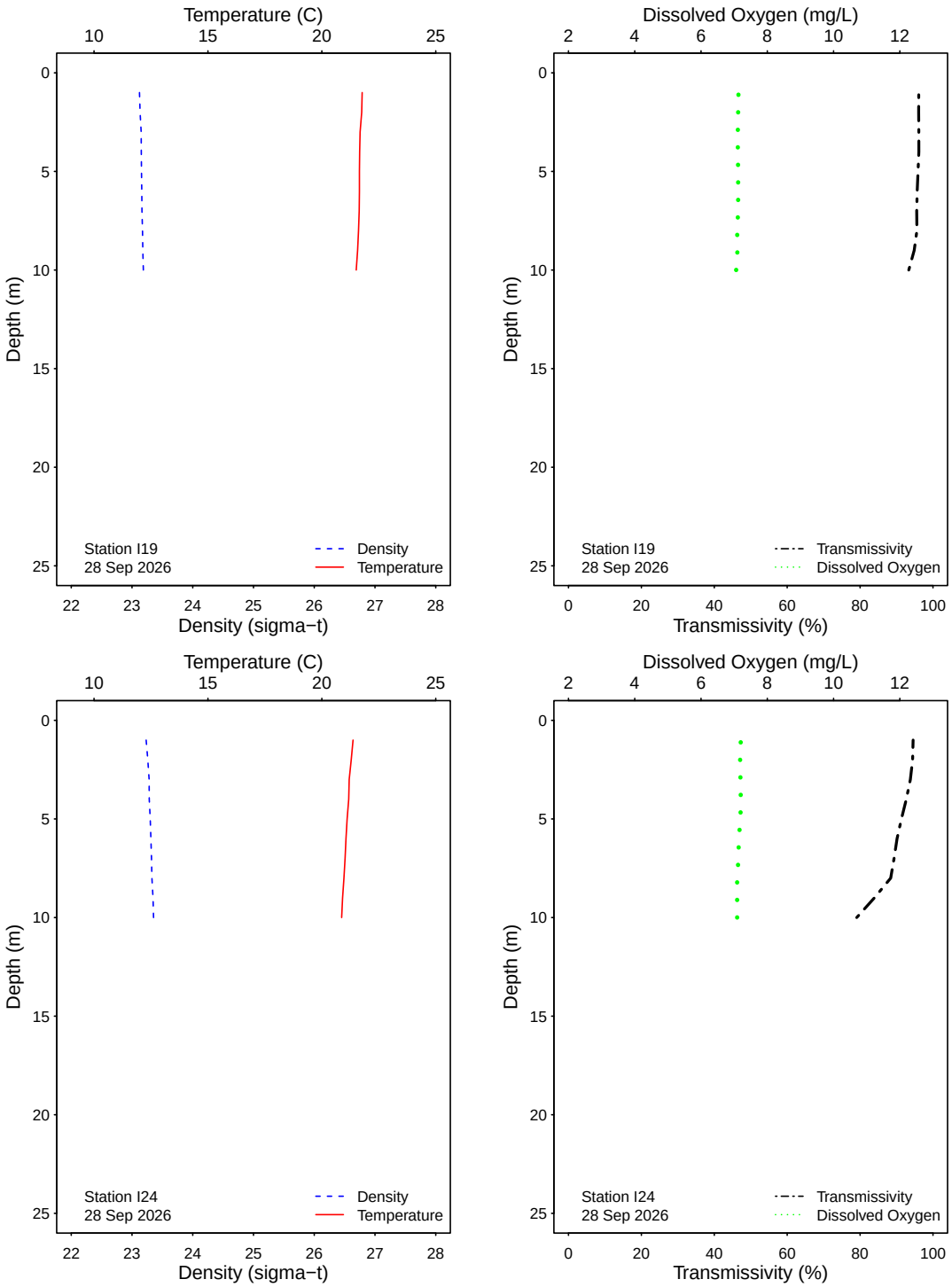


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

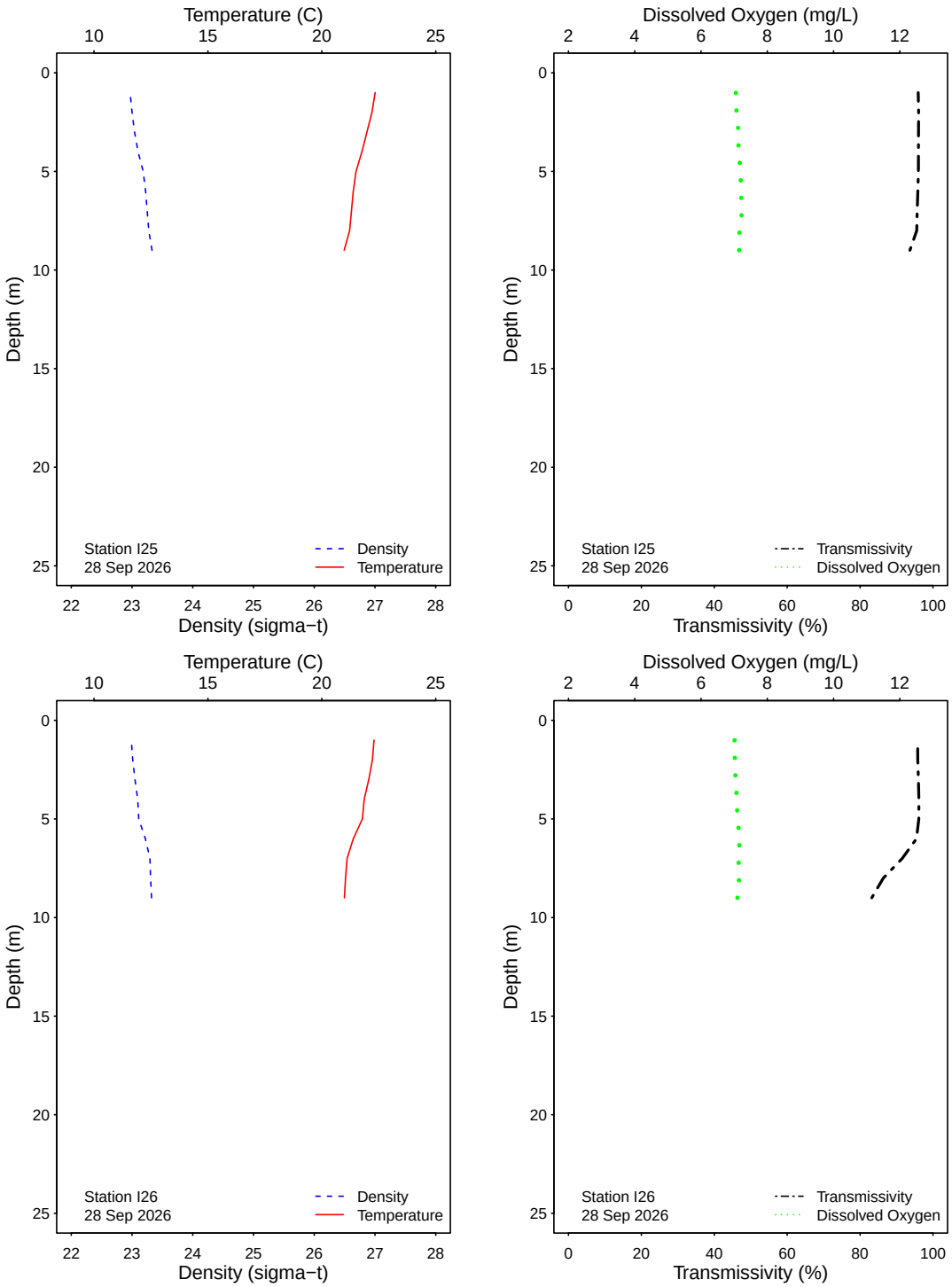


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

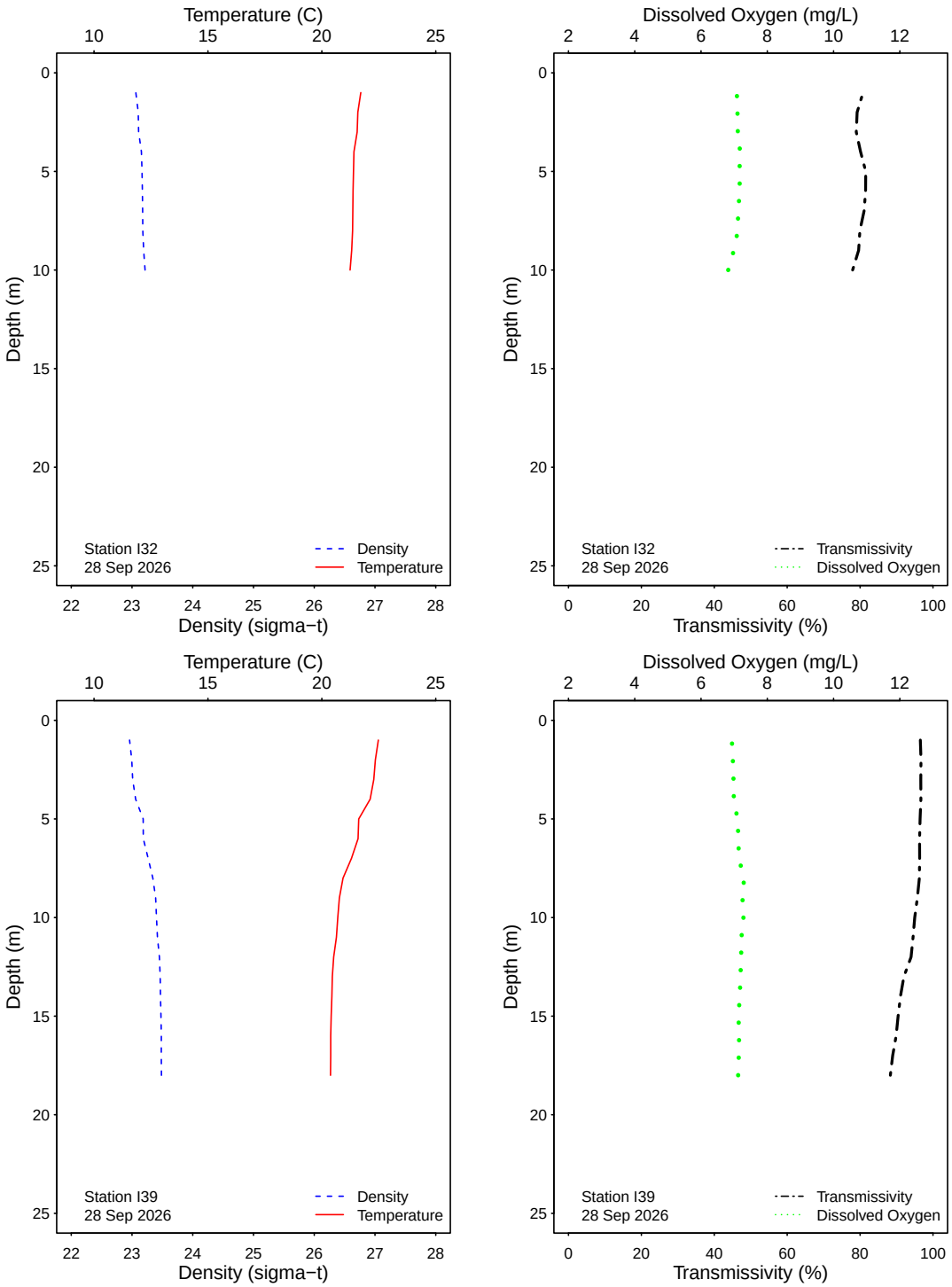


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

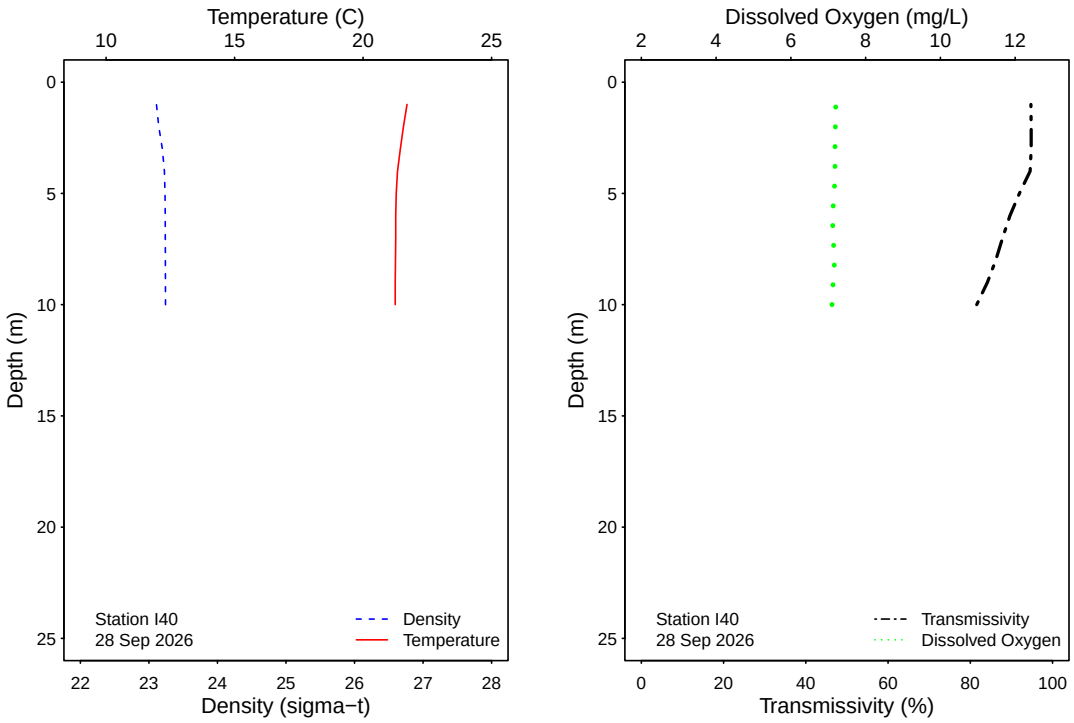


Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

APPENDIX A

Quality Assurance

Table A.1

Summary of bacteriological quality assurance field and lab duplicate sample analyses at selected SBOO 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
S0	22 Sep 2026		SS	LAB DUPLICATE	5600	3800	1400
S0	30 Sep 2026		KRT	LAB DUPLICATE	440	58	80
S2	01 Sep 2026		SS	LAB DUPLICATE	40	4	16
S2	08 Sep 2026		JF	LAB DUPLICATE	180	20	68
S2	15 Sep 2026		NCD	LAB DUPLICATE	7200	3200	860
S2	22 Sep 2026		SS	LAB DUPLICATE	20	2	2
S2	30 Sep 2026		KRT	LAB DUPLICATE	120	40	90
S3	01 Sep 2026		SS	LAB DUPLICATE	20	2	2
S3	08 Sep 2026		JF	LAB DUPLICATE	60	4	8
S3	15 Sep 2026		NCD	LAB DUPLICATE	20	4	8
S3	22 Sep 2026		SS	LAB DUPLICATE	20	2	2
S3	30 Sep 2026		KRT	LAB DUPLICATE	20	10	54
I19	01 Sep 2026	6	NCD	LAB DUPLICATE	20	2	2
I19	08 Sep 2026	6	ADG	LAB DUPLICATE	2	2	2
I19	14 Sep 2026	6	NCD	LAB DUPLICATE	20	2	2
I19	22 Sep 2026	6	SS	LAB DUPLICATE	20	2	2
I19	28 Sep 2026	6	KRT	LAB DUPLICATE	2	2	2
I40	01 Sep 2026	6	NCD	LAB DUPLICATE	2	2	2
I40	08 Sep 2026	6	ADG	LAB DUPLICATE	2	2	2
I40	14 Sep 2026	6	NCD	LAB DUPLICATE	20	2	2
I40	22 Sep 2026	6	SS	LAB DUPLICATE	20	2	2
I40	28 Sep 2026	6	KRT	LAB DUPLICATE	40	10	4
S12	01 Sep 2026		NCD	FIELD DUPLICATE	20	10	6
S12	01 Sep 2026		NCD	LAB DUPLICATE	20	6	16
S12	08 Sep 2026		JF	FIELD DUPLICATE	100	16	68
S12	08 Sep 2026		JF	LAB DUPLICATE	200	10	68
S12	15 Sep 2026		NCD	FIELD DUPLICATE	20	2	2
S12	15 Sep 2026		NCD	LAB DUPLICATE	20	2	2
S12	22 Sep 2026		ADG	FIELD DUPLICATE	20	4	2
S12	22 Sep 2026		ADG	LAB DUPLICATE	40	6	2
S12	30 Sep 2026		NCD	LAB DUPLICATE	800	140	22
S12	30 Sep 2026		NCD	FIELD DUPLICATE	1200	300	30

ns = not sampled
ND = no data

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