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

MARCH 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

April 30, 2026

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

Attention: POTW Compliance Unit

Dear Mr. Gibson:

Enclosed is the March 2026 Monthly Receiving Waters Monitoring Report for the South Bay Ocean Outfall, South Bay Water Reclamation Plant as required per Order No. R9-2021-0011, 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, 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 percent of the samples collected in a calendar month, calculated in a static manner

<u>Shellfish Harvesting Standards</u>

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.

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 March**,** 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 30-day running geometric mean standard for fecal coliforms was exceeded at stations S5, S10, and S11.
    - The single sample maximum (SSM) standard for fecal coliforms was exceeded at stations S5, S6, S10, S11, and S12.
    - The 6-week running geometric mean standard for *Enterococcus* was exceeded at stations S4, S5, S6, S8, S10, S11, and S12.
    - The statistical threshold value (STV) standard for *Enterococcus* was exceeded at stations S4, S5, S6, S8, S10, S11, and S12.

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

        - The 30-day running median standard for total coliforms was exceeded at stations S4, S5, S6, S10, S11, and S12.
        - The STV standard for total coliforms was exceeded at stations S4, S5, S6, S8, S10, S11, and S12.
    - A sewage-like odor was detected at SBOO shore stations S4, S5, S6, S8, S9, S10, S11, and S12 on one or more days in March.
    - 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 March 3, 10, 17, 24, and 30.
    - During March, each of the seven kelp bed stations were out of compliance with one or more of the 2019 Ocean Plan water contact standards on one or more days as follows:
        - The 30-day running geometric mean standard for fecal coliforms was exceeded at stations I19 and I40.
        - The 6-week running geometric mean standard for enterococcus was exceeded at stations I19, I24, I25, I32, and I40.
        - The STV standard for *Enterococcus* was exceeded at stations I19, I24, I32, and I40.
        - The 30-day running median standard for total coliforms was exceeded at stations I19, I24, I25, I26, I32, I39, and I40.
        - The STV standard for total coliforms was exceeded at stations I19, I24, I25, I32, I39, and I40.
    - Water column temperatures ranged from 13.36 to 19.59°C. The difference between surface and bottom waters ranged from 0.39 to 3.93°C.
    - Concentrations of chlorophyll *a* ranged from 0.21 to 14.48 µg/L at the kelp bed stations.
    - A sewage-like odor was detected at SBOO kelp stations I24 and I40 on one or more days in March.

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

TABLES AND FIGURES

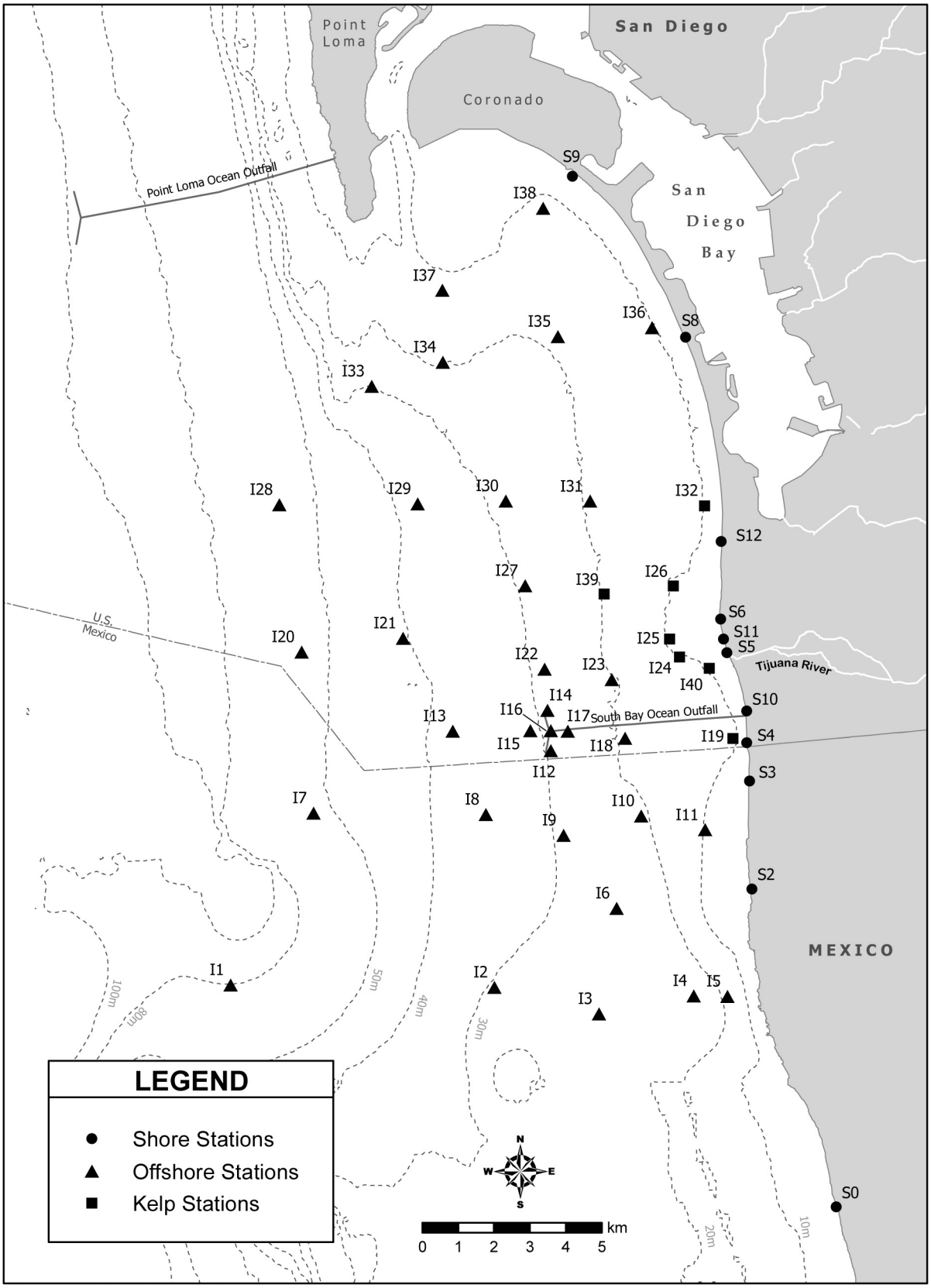

Figure 1.1 Station Map

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Shore Stations

Table 2.1

Summary of compliance with the Ocean Plan's 30-day Geometric Mean standard for fecal coliform bacteria at the 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 Mar 2026	120	**4159**	50	11	19	**508**	131	24
02 Mar 2026	120	**4159**	50	11	19	**508**	131	24
03 Mar 2026	92	**4962**	43	9	13	**762**	78	20
04 Mar 2026	92	**4962**	43	9	13	**762**	78	20
05 Mar 2026	108	**12000**	31	11	12	**1361**	74	15
06 Mar 2026	108	**12000**	31	11	12	**1361**	74	15
07 Mar 2026	108	**12000**	31	11	12	**1361**	74	15
08 Mar 2026	108	**12000**	31	11	12	**1361**	74	15
09 Mar 2026	108	**12000**	31	11	12	**1361**	74	15
10 Mar 2026	92	**12000**	25	9	10	**826**	67	15
11 Mar 2026	92	**12000**	25	9	10	**826**	67	15
12 Mar 2026	58	**12000**	88	11	12	**1342**	107	41
13 Mar 2026	58	**12000**	88	11	12	**1342**	107	41
14 Mar 2026	58	**12000**	88	11	12	**1342**	107	41
15 Mar 2026	115	**12000**	164	16	14	**1963**	128	74
16 Mar 2026	115	**12000**	164	16	14	**1963**	128	74
17 Mar 2026	87	**6808**	133	23	10	**914**	94	145
18 Mar 2026	87	**6808**	133	23	10	**914**	94	145
19 Mar 2026	87	**6078**	62	7	3	**914**	47	60
20 Mar 2026	54	**6078**	62	7	3	**546**	47	60
21 Mar 2026	54	**6078**	62	7	3	**546**	47	60
22 Mar 2026	54	**6078**	62	7	3	**546**	47	60
23 Mar 2026	54	**6078**	62	7	3	**546**	47	60
24 Mar 2026	37	**6808**	94	5	3	**303**	118	61
25 Mar 2026	37	**6808**	94	5	3	**303**	118	61
26 Mar 2026	14	**6078**	148	7	4	169	**233**	122
27 Mar 2026	14	**6078**	148	7	4	169	**233**	122
28 Mar 2026	14	**6078**	148	7	4	169	**233**	122
29 Mar 2026	14	**6078**	148	7	4	169	**233**	122
30 Mar 2026	14	**6078**	148	7	4	169	**233**	122
31 Mar 2026	14	**6078**	148	7	4	169	**233**	122

* 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
03 Mar 2026	IC	**E**	IC	IC	IC	**E**	IC	IC
10 Mar 2026	IC	**E**	IC	IC	IC	IC	IC	IC
12 Mar 2026	IC	**E**	**E**	IC	IC	**E**	**E**	**E**
17 Mar 2026	IC	IC	IC	IC	IC	IC	IC	**E**
24 Mar 2026	IC	**E**	**E**	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 Mar 2026	**214**	**3617**	**51**	14	8	**413**	**252**	**56**
02 Mar 2026	**214**	**3617**	**51**	14	8	**413**	**252**	**56**
03 Mar 2026	**240**	**6489**	**44**	14	8	**752**	**174**	**37**
04 Mar 2026	**240**	**6489**	**44**	14	8	**752**	**174**	**37**
05 Mar 2026	**240**	**6489**	**44**	14	8	**752**	**174**	**37**
06 Mar 2026	**240**	**6489**	**44**	14	8	**752**	**174**	**37**
07 Mar 2026	**240**	**6489**	**44**	14	8	**752**	**174**	**37**
08 Mar 2026	**240**	**6489**	**44**	14	8	**752**	**174**	**37**
09 Mar 2026	**240**	**6489**	**44**	14	8	**752**	**174**	**37**
10 Mar 2026	**246**	**6489**	**40**	17	9	**752**	**150**	**36**
11 Mar 2026	**246**	**6489**	**40**	17	9	**752**	**150**	**36**
12 Mar 2026	**246**	**6489**	**40**	17	9	**752**	**150**	**36**
13 Mar 2026	**246**	**6489**	**40**	17	9	**752**	**150**	**36**
14 Mar 2026	**246**	**6489**	**40**	17	9	**752**	**150**	**36**
15 Mar 2026	**246**	**6489**	**40**	17	9	**752**	**150**	**36**
16 Mar 2026	**246**	**6489**	**40**	17	9	**752**	**150**	**36**
17 Mar 2026	**185**	**5715**	**37**	**31**	8	**457**	**126**	**51**
18 Mar 2026	**185**	**5715**	**37**	**31**	8	**457**	**126**	**51**
19 Mar 2026	**185**	**5715**	**37**	**31**	8	**457**	**126**	**51**
20 Mar 2026	**185**	**5715**	**37**	**31**	8	**457**	**126**	**51**
21 Mar 2026	**185**	**5715**	**37**	**31**	8	**457**	**126**	**51**
22 Mar 2026	**185**	**5715**	**37**	**31**	8	**457**	**126**	**51**
23 Mar 2026	**185**	**5715**	**37**	**31**	8	**457**	**126**	**51**
24 Mar 2026	**160**	**5715**	**109**	**42**	9	**315**	**158**	**117**
25 Mar 2026	**160**	**5715**	**109**	**42**	9	**315**	**158**	**117**
26 Mar 2026	**160**	**5715**	**109**	**42**	9	**315**	**158**	**117**
27 Mar 2026	**160**	**5715**	**109**	**42**	9	**315**	**158**	**117**
28 Mar 2026	**160**	**5715**	**109**	**42**	9	**315**	**158**	**117**
29 Mar 2026	**160**	**5715**	**109**	**42**	9	**315**	**158**	**117**
30 Mar 2026	**160**	**5715**	**109**	**42**	9	**315**	**158**	**117**
31 Mar 2026	**160**	**4927**	**46**	14	3	**315**	**92**	**46**

* 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
March	**E**	**E**	**E**	**E**	IC	**E**	**E**	**E**

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 Mar 2026	***7200**	***16000**	***210**	*20	*20	***8340**	***1780**	***240**
02 Mar 2026	***7200**	***16000**	***210**	*20	*20	***8340**	***1780**	***240**
03 Mar 2026	**1400**	**16000**	**120**	20	20	**16000**	**360**	40
04 Mar 2026	**1400**	**16000**	**120**	20	20	**16000**	**360**	40
05 Mar 2026	***7200**	***16000**	*70	*20	*14	***16000**	***1611**	*30
06 Mar 2026	***7200**	***16000**	*70	*20	*14	***16000**	***1611**	*30
07 Mar 2026	***7200**	***16000**	*70	*20	*14	***16000**	***1611**	*30
08 Mar 2026	***7200**	***16000**	*70	*20	*14	***16000**	***1611**	*30
09 Mar 2026	***7200**	***16000**	*70	*20	*14	***16000**	***1611**	*30
10 Mar 2026	**1400**	**16000**	56	20	12	**16000**	**320**	40
11 Mar 2026	**1400**	**16000**	56	20	12	**16000**	**320**	40
12 Mar 2026	***6650**	***16000**	***88**	*14	*10	***16000**	***171**	***150**
13 Mar 2026	***6650**	***16000**	***88**	*14	*10	***16000**	***171**	***150**
14 Mar 2026	***6650**	***16000**	***88**	*14	*10	***16000**	***171**	***150**
15 Mar 2026	***6650**	***16000**	***88**	*14	*10	***16000**	***171**	***150**
16 Mar 2026	***6650**	***16000**	***88**	*14	*10	***16000**	***171**	***150**
17 Mar 2026	**300**	**16000**	**120**	20	8	**16000**	**160**	**260**
18 Mar 2026	**300**	**16000**	**120**	20	8	**16000**	**160**	**260**
19 Mar 2026	**300**	***16000**	***88**	*14	*7	**16000**	***91**	***150**
20 Mar 2026	***270**	***16000**	***88**	*14	*7	***8250**	***91**	***150**
21 Mar 2026	***270**	***16000**	***88**	*14	*7	***8250**	***91**	***150**
22 Mar 2026	***270**	***16000**	***88**	*14	*7	***8250**	***91**	***150**
23 Mar 2026	***270**	***16000**	***88**	*14	*7	***8250**	***91**	***150**
24 Mar 2026	**240**	**16000**	**120**	8	8	**500**	**160**	**260**
25 Mar 2026	**240**	**16000**	**120**	8	8	**500**	**160**	**260**
26 Mar 2026	***160**	***16000**	***120**	*6	*8	***310**	***240**	***420**
27 Mar 2026	***160**	***16000**	***120**	*6	*8	***310**	***240**	***420**
28 Mar 2026	***160**	***16000**	***120**	*6	*8	***310**	***240**	***420**
29 Mar 2026	***160**	***16000**	***120**	*6	*8	***310**	***240**	***420**
30 Mar 2026	***160**	***16000**	***120**	*6	*8	***310**	***240**	***420**
31 Mar 2026	***160**	***16000**	***120**	*6	*8	***310**	***240**	***420**

* 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
March	**E**	**E**	**E**	**E**	IC	**E**	**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 fecal coliform (Fecal) and *Enterococcus* (Entero) are reported as CFU/100 mL. Comments follow the data summary.

Station	Date	Time	Total	Fecal	Entero
S0	03 Mar 2026	920	>16000	11000	9200
S0	10 Mar 2026	1000	9600	3200e	1000e
S0	17 Mar 2026	900	340e	72	78
S0	24 Mar 2026	925	660	120e	100
S10	03 Mar 2026	1229	>16000	5800	3000e
S10	10 Mar 2026	1137	500	68	400
S10	12 Mar 2026	944		1100	
S10	17 Mar 2026	1111	120e	20e	10e
S10	24 Mar 2026	930	60e	16e	28e
S11	03 Mar 2026	1029	20e	6e	12e
S11	10 Mar 2026	919	320e	40	42
S11	12 Mar 2026	823		>12000	
S11	17 Mar 2026	1000	160e	20e	68
S11	24 Mar 2026	808	>16000	>12000	>12000
S12	03 Mar 2026	939	40e	8e	10e
S12	10 Mar 2026	825	260e	14e	10e
S12	12 Mar 2026	809		840	
S12	17 Mar 2026	856	15000	4200	1200e
S12	24 Mar 2026	845	580	68	300e
S2	03 Mar 2026	1015	560	200e	38e
S2	10 Mar 2026	1045	60e	<2	8e
S2	17 Mar 2026	1005	180e	56	30e
S2	24 Mar 2026	1025	2e	<2	<2
S3	03 Mar 2026	950	>16000	1200e	180e
S3	10 Mar 2026	1120	10e	<2	12e
S3	17 Mar 2026	935	2200e	120e	80
S3	24 Mar 2026	1010	18e	4e	2e
S4	03 Mar 2026	1251	300e	24e	12e
S4	10 Mar 2026	1121	240e	40	460
S4	12 Mar 2026	957		4e	
S4	17 Mar 2026	1140	80e	22e	20e
S4	24 Mar 2026	954	36e	6e	100e
S5	03 Mar 2026	1054	>16000	>12000	>12000
S5	10 Mar 2026	938	>16000	>12000	>12000
S5	12 Mar 2026	801		>12000	
S5	17 Mar 2026	940	1000	400	140e
S5	24 Mar 2026	742	>16000	>12000	>12000
S6	03 Mar 2026	1011	120e	20e	16e
S6	10 Mar 2026	907	56	8e	20e
S6	12 Mar 2026	733		>12000	
S6	17 Mar 2026	1015	120e	46	90
S6	24 Mar 2026	822	7800	800e	1200
S8	03 Mar 2026	915	4e	<2	4e
S8	10 Mar 2026	804	8e	<2	6e
S8	12 Mar 2026	833		10e	
S8	17 Mar 2026	834	680	160e	280e

Station	Date	Time	Total	Fecal	Entero
S8	24 Mar 2026	818	<2	<2	12e
S9	03 Mar 2026	850	6e	<2	2e
S9	10 Mar 2026	746	12e	4e	4e
S9	12 Mar 2026	902		6e	
S9	17 Mar 2026	814	6e	<2	2e
S9	24 Mar 2026	756	10e	6e	6e

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	03 Mar 2026	Arrive Time	920
S0	03 Mar 2026	Wind Speed (kts)	1
S0	03 Mar 2026	Wind Dir	NE
S0	03 Mar 2026	Animal Life	Bird-10; Dog-1;
S0	03 Mar 2026	Floatables	
S0	03 Mar 2026	Current Direction	N
S0	03 Mar 2026	Water Temp (C)	13
S0	03 Mar 2026	High Tide Time	836
S0	03 Mar 2026	Low Tide Time	242
S0	03 Mar 2026	Comments	Water clear; Trash-2; Kelp; Person/Walker/Jogger-5; 0.5 L/s water flowing from storm drain
S0	10 Mar 2026	Arrive Time	1000
S0	10 Mar 2026	Wind Speed (kts)	0
S0	10 Mar 2026	Wind Dir	XX
S0	10 Mar 2026	Animal Life	Bird-15;
S0	10 Mar 2026	Floatables	
S0	10 Mar 2026	Current Direction	S
S0	10 Mar 2026	Water Temp (C)	15
S0	10 Mar 2026	High Tide Time	107
S0	10 Mar 2026	Low Tide Time	1014
S0	10 Mar 2026	Comments	Water clear; Trash-2; Kelp; No flow from storm drain
S0	17 Mar 2026	Arrive Time	900
S0	17 Mar 2026	Wind Speed (kts)	0.9
S0	17 Mar 2026	Wind Dir	NE
S0	17 Mar 2026	Animal Life	Bird-20; Dog-2;
S0	17 Mar 2026	Floatables	
S0	17 Mar 2026	Current Direction	N
S0	17 Mar 2026	Water Temp (C)	14
S0	17 Mar 2026	High Tide Time	838
S0	17 Mar 2026	Low Tide Time	243
S0	17 Mar 2026	Comments	Water clear; Trash-2; Kelp; Person/Walker/Jogger-6; 0.5 L/s water flowing from storm drain
S0	24 Mar 2026	Arrive Time	925
S0	24 Mar 2026	Wind Speed (kts)	1.2
S0	24 Mar 2026	Wind Dir	SE
S0	24 Mar 2026	Animal Life	Bird-20; Dog-2;
S0	24 Mar 2026	Floatables	
S0	24 Mar 2026	Current Direction	S
S0	24 Mar 2026	Water Temp (C)	14
S0	24 Mar 2026	High Tide Time	49
S0	24 Mar 2026	Low Tide Time	853
S0	24 Mar 2026	Comments	Water turbid; Trash-2; Kelp; 1.0 L/s water flowing from storm drain
S2	03 Mar 2026	Arrive Time	1015
S2	03 Mar 2026	Wind Speed (kts)	1
S2	03 Mar 2026	Wind Dir	NE
S2	03 Mar 2026	Animal Life	Bird-10; Dog-2;
S2	03 Mar 2026	Floatables	
S2	03 Mar 2026	Current Direction	N
S2	03 Mar 2026	Water Temp (C)	13
S2	03 Mar 2026	High Tide Time	836
S2	03 Mar 2026	Low Tide Time	242

Station	Date	Parameter	Value
S2	03 Mar 2026	Comments	Water clear; Trash-2; Kelp;Algae; Person/Walker/Jogger-10; No flow from storm drain
S2	10 Mar 2026	Arrive Time	1045
S2	10 Mar 2026	Wind Speed (kts)	0.5
S2	10 Mar 2026	Wind Dir	NW
S2	10 Mar 2026	Animal Life	Bird-15;
S2	10 Mar 2026	Floatables	
S2	10 Mar 2026	Current Direction	S
S2	10 Mar 2026	Water Temp (C)	15
S2	10 Mar 2026	High Tide Time	107
S2	10 Mar 2026	Low Tide Time	1014
S2	10 Mar 2026	Comments	Water clear; Trash-2; Kelp; Person/Walker/Jogger-5; No flow from storm drain
S2	17 Mar 2026	Arrive Time	1005
S2	17 Mar 2026	Wind Speed (kts)	0.8
S2	17 Mar 2026	Wind Dir	NE
S2	17 Mar 2026	Animal Life	Bird-10; Dog-3;
S2	17 Mar 2026	Floatables	
S2	17 Mar 2026	Current Direction	N
S2	17 Mar 2026	Water Temp (C)	14
S2	17 Mar 2026	High Tide Time	838
S2	17 Mar 2026	Low Tide Time	243
S2	17 Mar 2026	Comments	Water clear; Trash-2; Kelp; Person/Walker/Jogger-10; No flow from storm drain
S2	24 Mar 2026	Arrive Time	1025
S2	24 Mar 2026	Wind Speed (kts)	0.9
S2	24 Mar 2026	Wind Dir	SE
S2	24 Mar 2026	Animal Life	Dog-2;
S2	24 Mar 2026	Floatables	
S2	24 Mar 2026	Current Direction	S
S2	24 Mar 2026	Water Temp (C)	15
S2	24 Mar 2026	High Tide Time	49
S2	24 Mar 2026	Low Tide Time	853
S2	24 Mar 2026	Comments	Water turbid; Trash-2; Kelp; No flow from storm drain
S3	03 Mar 2026	Arrive Time	950
S3	03 Mar 2026	Wind Speed (kts)	0.9
S3	03 Mar 2026	Wind Dir	NE
S3	03 Mar 2026	Animal Life	Bird-10; Dog-2;
S3	03 Mar 2026	Floatables	
S3	03 Mar 2026	Current Direction	N
S3	03 Mar 2026	Water Temp (C)	13
S3	03 Mar 2026	High Tide Time	836
S3	03 Mar 2026	Low Tide Time	242
S3	03 Mar 2026	Comments	Water clear; Trash-2; Algae;Kelp; Person/Walker/Jogger-10; No flow from storm drain
S3	10 Mar 2026	Arrive Time	1120
S3	10 Mar 2026	Wind Speed (kts)	1.2
S3	10 Mar 2026	Wind Dir	NW
S3	10 Mar 2026	Animal Life	Bird-20;
S3	10 Mar 2026	Floatables	
S3	10 Mar 2026	Current Direction	S
S3	10 Mar 2026	Water Temp (C)	15
S3	10 Mar 2026	High Tide Time	107
S3	10 Mar 2026	Low Tide Time	1014
S3	10 Mar 2026	Comments	Water clear; Trash-2; Person/Walker/Jogger-5; No flow from storm drain

Station	Date	Parameter	Value
S3	17 Mar 2026	Arrive Time	935
S3	17 Mar 2026	Wind Speed (kts)	1
S3	17 Mar 2026	Wind Dir	NE
S3	17 Mar 2026	Animal Life	Bird-10; Dog-4;
S3	17 Mar 2026	Floatables	
S3	17 Mar 2026	Current Direction	N
S3	17 Mar 2026	Water Temp (C)	14
S3	17 Mar 2026	High Tide Time	838
S3	17 Mar 2026	Low Tide Time	243
S3	17 Mar 2026	Comments	Water clear; Trash-2; Kelp; Person/Walker/Jogger-10; No flow from storm drain
S3	24 Mar 2026	Arrive Time	1010
S3	24 Mar 2026	Wind Speed (kts)	1.6
S3	24 Mar 2026	Wind Dir	SE
S3	24 Mar 2026	Animal Life	Bird-20;
S3	24 Mar 2026	Floatables	
S3	24 Mar 2026	Current Direction	S
S3	24 Mar 2026	Water Temp (C)	15
S3	24 Mar 2026	High Tide Time	49
S3	24 Mar 2026	Low Tide Time	853
S3	24 Mar 2026	Comments	Water turbid; Trash-2; No flow from storm drain
S4	03 Mar 2026	Arrive Time	1251
S4	03 Mar 2026	Wind Speed (kts)	4.6
S4	03 Mar 2026	Wind Dir	W
S4	03 Mar 2026	Animal Life	Bird-4;
S4	03 Mar 2026	Floatables	Foam
S4	03 Mar 2026	Current Direction	S
S4	03 Mar 2026	Water Temp (C)	15.3
S4	03 Mar 2026	High Tide Time	836
S4	03 Mar 2026	Low Tide Time	242
S4	03 Mar 2026	Comments	Water clear; Trash-5; Seagrass;Debris
S4	10 Mar 2026	Arrive Time	1121
S4	10 Mar 2026	Wind Speed (kts)	4.8
S4	10 Mar 2026	Wind Dir	SW
S4	10 Mar 2026	Animal Life	
S4	10 Mar 2026	Floatables	
S4	10 Mar 2026	Current Direction	S
S4	10 Mar 2026	Water Temp (C)	12.8
S4	10 Mar 2026	High Tide Time	107
S4	10 Mar 2026	Low Tide Time	1014
S4	10 Mar 2026	Comments	Water clear; Trash-4; Debris; Sewage-like odor
S4	12 Mar 2026	Arrive Time	957
S4	12 Mar 2026	Wind Speed (kts)	3.9
S4	12 Mar 2026	Wind Dir	NE
S4	12 Mar 2026	Animal Life	
S4	12 Mar 2026	Floatables	
S4	12 Mar 2026	Current Direction	S
S4	12 Mar 2026	Water Temp (C)	11.1
S4	12 Mar 2026	High Tide Time	438
S4	12 Mar 2026	Low Tide Time	1257
S4	12 Mar 2026	Comments	Water clear; Trash-3
S4	17 Mar 2026	Arrive Time	1140
S4	17 Mar 2026	Wind Speed (kts)	1.3
S4	17 Mar 2026	Wind Dir	W
S4	17 Mar 2026	Animal Life	

Station	Date	Parameter	Value
S4	17 Mar 2026	Floatables	
S4	17 Mar 2026	Current Direction	S
S4	17 Mar 2026	Water Temp (C)	17.6
S4	17 Mar 2026	High Tide Time	838
S4	17 Mar 2026	Low Tide Time	243
S4	17 Mar 2026	Comments	Water clear; Trash-4; Kelp;Seagrass
S4	24 Mar 2026	Arrive Time	954
S4	24 Mar 2026	Wind Speed (kts)	2.91
S4	24 Mar 2026	Wind Dir	SW
S4	24 Mar 2026	Animal Life	Bird-1; Seal/Sea Lion-1;
S4	24 Mar 2026	Floatables	
S4	24 Mar 2026	Current Direction	S
S4	24 Mar 2026	Water Temp (C)	17.3
S4	24 Mar 2026	High Tide Time	49
S4	24 Mar 2026	Low Tide Time	853
S4	24 Mar 2026	Comments	Water clear; Trash-4; Kelp;Seagrass
S10	03 Mar 2026	Arrive Time	1221
S10	03 Mar 2026	Wind Speed (kts)	1.3
S10	03 Mar 2026	Wind Dir	W
S10	03 Mar 2026	Animal Life	
S10	03 Mar 2026	Floatables	Foam
S10	03 Mar 2026	Current Direction	S
S10	03 Mar 2026	Water Temp (C)	16
S10	03 Mar 2026	High Tide Time	836
S10	03 Mar 2026	Low Tide Time	242
S10	03 Mar 2026	Comments	Water clear; Trash-5; Debris
S10	10 Mar 2026	Arrive Time	1137
S10	10 Mar 2026	Wind Speed (kts)	4.7
S10	10 Mar 2026	Wind Dir	SW
S10	10 Mar 2026	Animal Life	Bird-3;
S10	10 Mar 2026	Floatables	
S10	10 Mar 2026	Current Direction	S
S10	10 Mar 2026	Water Temp (C)	14.5
S10	10 Mar 2026	High Tide Time	107
S10	10 Mar 2026	Low Tide Time	1014
S10	10 Mar 2026	Comments	Water clear; Trash-5; Sewage-like odor
S10	12 Mar 2026	Arrive Time	944
S10	12 Mar 2026	Wind Speed (kts)	4.8
S10	12 Mar 2026	Wind Dir	NE
S10	12 Mar 2026	Animal Life	
S10	12 Mar 2026	Floatables	
S10	12 Mar 2026	Current Direction	S
S10	12 Mar 2026	Water Temp (C)	10.5
S10	12 Mar 2026	High Tide Time	438
S10	12 Mar 2026	Low Tide Time	1257
S10	12 Mar 2026	Comments	Water clear; Trash-2
S10	17 Mar 2026	Arrive Time	1111
S10	17 Mar 2026	Wind Speed (kts)	1.5
S10	17 Mar 2026	Wind Dir	W
S10	17 Mar 2026	Animal Life	Bird-4;
S10	17 Mar 2026	Floatables	
S10	17 Mar 2026	Current Direction	S
S10	17 Mar 2026	Water Temp (C)	14.3
S10	17 Mar 2026	High Tide Time	838
S10	17 Mar 2026	Low Tide Time	243
S10	17 Mar 2026	Comments	Water clear; Trash-4; Kelp;Seagrass; Sewage-like odor

Station	Date	Parameter	Value
S10	24 Mar 2026	Arrive Time	930
S10	24 Mar 2026	Wind Speed (kts)	2.3
S10	24 Mar 2026	Wind Dir	SW
S10	24 Mar 2026	Animal Life	Bird-1;
S10	24 Mar 2026	Floatables	
S10	24 Mar 2026	Current Direction	S
S10	24 Mar 2026	Water Temp (C)	18
S10	24 Mar 2026	High Tide Time	49
S10	24 Mar 2026	Low Tide Time	853
S10	24 Mar 2026	Comments	Water clear; Trash-4; Seagrass;Kelp
S5	03 Mar 2026	Arrive Time	1054
S5	03 Mar 2026	Wind Speed (kts)	2.9
S5	03 Mar 2026	Wind Dir	W
S5	03 Mar 2026	Animal Life	
S5	03 Mar 2026	Floatables	Foam
S5	03 Mar 2026	Current Direction	S
S5	03 Mar 2026	Water Temp (C)	15.3
S5	03 Mar 2026	High Tide Time	836
S5	03 Mar 2026	Low Tide Time	242
S5	03 Mar 2026	Comments	Water clear; Trash-4; Debris; Sewage-like odor
S5	10 Mar 2026	Arrive Time	938
S5	10 Mar 2026	Wind Speed (kts)	1.7
S5	10 Mar 2026	Wind Dir	SW
S5	10 Mar 2026	Animal Life	Bird-50;
S5	10 Mar 2026	Floatables	Foam
S5	10 Mar 2026	Current Direction	S
S5	10 Mar 2026	Water Temp (C)	16.9
S5	10 Mar 2026	High Tide Time	107
S5	10 Mar 2026	Low Tide Time	1014
S5	10 Mar 2026	Comments	Water turbid; Trash-4; Debris; Sewage-like odor
S5	12 Mar 2026	Arrive Time	801
S5	12 Mar 2026	Wind Speed (kts)	4.5
S5	12 Mar 2026	Wind Dir	E
S5	12 Mar 2026	Animal Life	
S5	12 Mar 2026	Floatables	Foam
S5	12 Mar 2026	Current Direction	S
S5	12 Mar 2026	Water Temp (C)	13.5
S5	12 Mar 2026	High Tide Time	438
S5	12 Mar 2026	Low Tide Time	1257
S5	12 Mar 2026	Comments	Water turbid; Trash-5; Sewage-like odor
S5	17 Mar 2026	Arrive Time	940
S5	17 Mar 2026	Wind Speed (kts)	0.3
S5	17 Mar 2026	Wind Dir	W
S5	17 Mar 2026	Animal Life	Bird-3;
S5	17 Mar 2026	Floatables	
S5	17 Mar 2026	Current Direction	S
S5	17 Mar 2026	Water Temp (C)	15.6
S5	17 Mar 2026	High Tide Time	838
S5	17 Mar 2026	Low Tide Time	243
S5	17 Mar 2026	Comments	Water clear; Trash-3; Kelp;Seagrass
S5	24 Mar 2026	Arrive Time	742
S5	24 Mar 2026	Wind Speed (kts)	0
S5	24 Mar 2026	Wind Dir	XX
S5	24 Mar 2026	Animal Life	Pelican-15; Seagull-10;
S5	24 Mar 2026	Floatables	Foam

Station	Date	Parameter	Value
S5	24 Mar 2026	Current Direction	S
S5	24 Mar 2026	Water Temp (C)	18.5
S5	24 Mar 2026	High Tide Time	49
S5	24 Mar 2026	Low Tide Time	853
S5	24 Mar 2026	Comments	Water turbid; Trash-3; Sewage-like odor
S11	03 Mar 2026	Arrive Time	1029
S11	03 Mar 2026	Wind Speed (kts)	3.1
S11	03 Mar 2026	Wind Dir	W
S11	03 Mar 2026	Animal Life	Dog-3;
S11	03 Mar 2026	Floatables	
S11	03 Mar 2026	Current Direction	S
S11	03 Mar 2026	Water Temp (C)	14.5
S11	03 Mar 2026	High Tide Time	836
S11	03 Mar 2026	Low Tide Time	242
S11	03 Mar 2026	Comments	Water clear; Trash-3; Seagrass;Kelp; Person/Walker/Jogger-3
S11	10 Mar 2026	Arrive Time	919
S11	10 Mar 2026	Wind Speed (kts)	0
S11	10 Mar 2026	Wind Dir	XX
S11	10 Mar 2026	Animal Life	
S11	10 Mar 2026	Floatables	
S11	10 Mar 2026	Current Direction	S
S11	10 Mar 2026	Water Temp (C)	14.1
S11	10 Mar 2026	High Tide Time	107
S11	10 Mar 2026	Low Tide Time	1014
S11	10 Mar 2026	Comments	Water clear; Trash-2; Debris; Sewage-like odor
S11	12 Mar 2026	Arrive Time	823
S11	12 Mar 2026	Wind Speed (kts)	2
S11	12 Mar 2026	Wind Dir	E
S11	12 Mar 2026	Animal Life	
S11	12 Mar 2026	Floatables	
S11	12 Mar 2026	Current Direction	S
S11	12 Mar 2026	Water Temp (C)	14.4
S11	12 Mar 2026	High Tide Time	438
S11	12 Mar 2026	Low Tide Time	1257
S11	12 Mar 2026	Comments	Water clear; Trash-3; Sewage-like odor
S11	17 Mar 2026	Arrive Time	1000
S11	17 Mar 2026	Wind Speed (kts)	1.5
S11	17 Mar 2026	Wind Dir	N
S11	17 Mar 2026	Animal Life	Bird-4;
S11	17 Mar 2026	Floatables	
S11	17 Mar 2026	Current Direction	S
S11	17 Mar 2026	Water Temp (C)	16.6
S11	17 Mar 2026	High Tide Time	838
S11	17 Mar 2026	Low Tide Time	243
S11	17 Mar 2026	Comments	Water clear; Trash-4; Kelp;Seagrass; Person/Walker/Jogger-4
S11	24 Mar 2026	Arrive Time	808
S11	24 Mar 2026	Wind Speed (kts)	0
S11	24 Mar 2026	Wind Dir	XX
S11	24 Mar 2026	Animal Life	Bird-7; Seagull-1;
S11	24 Mar 2026	Floatables	
S11	24 Mar 2026	Current Direction	S
S11	24 Mar 2026	Water Temp (C)	16.1
S11	24 Mar 2026	High Tide Time	49
S11	24 Mar 2026	Low Tide Time	853

Station	Date	Parameter	Value
S11	24 Mar 2026	Comments	Water clear; Trash-3; Kelp;Seagrass
S6	03 Mar 2026	Arrive Time	1011
S6	03 Mar 2026	Wind Speed (kts)	3.1
S6	03 Mar 2026	Wind Dir	W
S6	03 Mar 2026	Animal Life	
S6	03 Mar 2026	Floatables	
S6	03 Mar 2026	Current Direction	S
S6	03 Mar 2026	Water Temp (C)	13.5
S6	03 Mar 2026	High Tide Time	836
S6	03 Mar 2026	Low Tide Time	242
S6	03 Mar 2026	Comments	Water clear; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-1
S6	10 Mar 2026	Arrive Time	907
S6	10 Mar 2026	Wind Speed (kts)	0
S6	10 Mar 2026	Wind Dir	XX
S6	10 Mar 2026	Animal Life	Bird-1;
S6	10 Mar 2026	Floatables	
S6	10 Mar 2026	Current Direction	S
S6	10 Mar 2026	Water Temp (C)	14.5
S6	10 Mar 2026	High Tide Time	107
S6	10 Mar 2026	Low Tide Time	1014
S6	10 Mar 2026	Comments	Water clear; Trash-1; Kelp; Person/Walker/Jogger-1
S6	12 Mar 2026	Arrive Time	733
S6	12 Mar 2026	Wind Speed (kts)	1.1
S6	12 Mar 2026	Wind Dir	SW
S6	12 Mar 2026	Animal Life	
S6	12 Mar 2026	Floatables	Foam
S6	12 Mar 2026	Current Direction	S
S6	12 Mar 2026	Water Temp (C)	12.2
S6	12 Mar 2026	High Tide Time	438
S6	12 Mar 2026	Low Tide Time	1257
S6	12 Mar 2026	Comments	Water clear; Surfer/Paddle boarder-4; Trash-3; Debris; Person/Walker/Jogger-5; Sewage-like odor
S6	17 Mar 2026	Arrive Time	1015
S6	17 Mar 2026	Wind Speed (kts)	3.6
S6	17 Mar 2026	Wind Dir	N
S6	17 Mar 2026	Animal Life	
S6	17 Mar 2026	Floatables	
S6	17 Mar 2026	Current Direction	S
S6	17 Mar 2026	Water Temp (C)	16.4
S6	17 Mar 2026	High Tide Time	838
S6	17 Mar 2026	Low Tide Time	243
S6	17 Mar 2026	Comments	Water clear; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-2; Sewage-like odor
S6	24 Mar 2026	Arrive Time	822
S6	24 Mar 2026	Wind Speed (kts)	0
S6	24 Mar 2026	Wind Dir	XX
S6	24 Mar 2026	Animal Life	
S6	24 Mar 2026	Floatables	
S6	24 Mar 2026	Current Direction	S
S6	24 Mar 2026	Water Temp (C)	16.6
S6	24 Mar 2026	High Tide Time	49
S6	24 Mar 2026	Low Tide Time	853
S6	24 Mar 2026	Comments	Water clear; Surfer/Paddle boarder-5; Trash-3; Kelp;Seagrass;Algae

Station	Date	Parameter	Value
S12	03 Mar 2026	Arrive Time	939
S12	03 Mar 2026	Wind Speed (kts)	2.7
S12	03 Mar 2026	Wind Dir	W
S12	03 Mar 2026	Animal Life	Dog-1;
S12	03 Mar 2026	Floatables	
S12	03 Mar 2026	Current Direction	S
S12	03 Mar 2026	Water Temp (C)	14
S12	03 Mar 2026	High Tide Time	836
S12	03 Mar 2026	Low Tide Time	242
S12	03 Mar 2026	Comments	Water clear; Trash-2; Seagrass;Kelp; Person/Walker/Jogger-1
S12	10 Mar 2026	Arrive Time	825
S12	10 Mar 2026	Wind Speed (kts)	1.9
S12	10 Mar 2026	Wind Dir	SW
S12	10 Mar 2026	Animal Life	
S12	10 Mar 2026	Floatables	
S12	10 Mar 2026	Current Direction	S
S12	10 Mar 2026	Water Temp (C)	13.8
S12	10 Mar 2026	High Tide Time	107
S12	10 Mar 2026	Low Tide Time	1014
S12	10 Mar 2026	Comments	Water clear; Trash-3; Kelp;Seagrass; Person/Walker/Jogger-2
S12	12 Mar 2026	Arrive Time	809
S12	12 Mar 2026	Wind Speed (kts)	0.9
S12	12 Mar 2026	Wind Dir	NW
S12	12 Mar 2026	Animal Life	Dog-2;
S12	12 Mar 2026	Floatables	
S12	12 Mar 2026	Current Direction	S
S12	12 Mar 2026	Water Temp (C)	13.6
S12	12 Mar 2026	High Tide Time	438
S12	12 Mar 2026	Low Tide Time	1257
S12	12 Mar 2026	Comments	Water clear; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-7
S12	17 Mar 2026	Arrive Time	856
S12	17 Mar 2026	Wind Speed (kts)	0.7
S12	17 Mar 2026	Wind Dir	E
S12	17 Mar 2026	Animal Life	
S12	17 Mar 2026	Floatables	
S12	17 Mar 2026	Current Direction	S
S12	17 Mar 2026	Water Temp (C)	15.8
S12	17 Mar 2026	High Tide Time	838
S12	17 Mar 2026	Low Tide Time	243
S12	17 Mar 2026	Comments	Water clear; Fisherperson-1; Trash-3; Kelp;Seagrass; Person/Walker/Jogger-3
S12	24 Mar 2026	Arrive Time	845
S12	24 Mar 2026	Wind Speed (kts)	2.53
S12	24 Mar 2026	Wind Dir	S
S12	24 Mar 2026	Animal Life	Bird-1;
S12	24 Mar 2026	Floatables	
S12	24 Mar 2026	Current Direction	S
S12	24 Mar 2026	Water Temp (C)	16.1
S12	24 Mar 2026	High Tide Time	49
S12	24 Mar 2026	Low Tide Time	853
S12	24 Mar 2026	Comments	Water clear; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-4; Sewage-like odor
S8	03 Mar 2026	Arrive Time	915

Station	Date	Parameter	Value
S8	03 Mar 2026	Wind Speed (kts)	1.5
S8	03 Mar 2026	Wind Dir	SW
S8	03 Mar 2026	Animal Life	
S8	03 Mar 2026	Floatables	
S8	03 Mar 2026	Current Direction	S
S8	03 Mar 2026	Water Temp (C)	14.5
S8	03 Mar 2026	High Tide Time	836
S8	03 Mar 2026	Low Tide Time	242
S8	03 Mar 2026	Comments	Water clear; Fisherperson-1; Trash-2; Seagrass;Kelp; Person/Walker/Jogger-3; Sewage-like odor
S8	10 Mar 2026	Arrive Time	804
S8	10 Mar 2026	Wind Speed (kts)	1.9
S8	10 Mar 2026	Wind Dir	SW
S8	10 Mar 2026	Animal Life	Bird-3;
S8	10 Mar 2026	Floatables	
S8	10 Mar 2026	Current Direction	S
S8	10 Mar 2026	Water Temp (C)	13.8
S8	10 Mar 2026	High Tide Time	107
S8	10 Mar 2026	Low Tide Time	1014
S8	10 Mar 2026	Comments	Water clear; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-4
S8	12 Mar 2026	Arrive Time	833
S8	12 Mar 2026	Wind Speed (kts)	2.3
S8	12 Mar 2026	Wind Dir	NW
S8	12 Mar 2026	Animal Life	Bird-3;
S8	12 Mar 2026	Floatables	
S8	12 Mar 2026	Current Direction	S
S8	12 Mar 2026	Water Temp (C)	14
S8	12 Mar 2026	High Tide Time	438
S8	12 Mar 2026	Low Tide Time	1257
S8	12 Mar 2026	Comments	Water clear; Trash-3; Kelp;Seagrass; Person/Walker/Jogger-4
S8	17 Mar 2026	Arrive Time	834
S8	17 Mar 2026	Wind Speed (kts)	1.1
S8	17 Mar 2026	Wind Dir	NW
S8	17 Mar 2026	Animal Life	
S8	17 Mar 2026	Floatables	Foam
S8	17 Mar 2026	Current Direction	S
S8	17 Mar 2026	Water Temp (C)	15.6
S8	17 Mar 2026	High Tide Time	838
S8	17 Mar 2026	Low Tide Time	243
S8	17 Mar 2026	Comments	Water clear; Trash-3; Kelp;Seagrass; Person/Walker/Jogger-4
S8	24 Mar 2026	Arrive Time	818
S8	24 Mar 2026	Wind Speed (kts)	0.9
S8	24 Mar 2026	Wind Dir	E
S8	24 Mar 2026	Animal Life	Bird-1;
S8	24 Mar 2026	Floatables	
S8	24 Mar 2026	Current Direction	S
S8	24 Mar 2026	Water Temp (C)	16.5
S8	24 Mar 2026	High Tide Time	49
S8	24 Mar 2026	Low Tide Time	853
S8	24 Mar 2026	Comments	Water clear; Trash-3; Kelp;Seagrass
S9	03 Mar 2026	Arrive Time	850
S9	03 Mar 2026	Wind Speed (kts)	3.1
S9	03 Mar 2026	Wind Dir	SW

Station	Date	Parameter	Value
S9	03 Mar 2026	Animal Life	Bird-1;
S9	03 Mar 2026	Floatables	
S9	03 Mar 2026	Current Direction	S
S9	03 Mar 2026	Water Temp (C)	14
S9	03 Mar 2026	High Tide Time	836
S9	03 Mar 2026	Low Tide Time	242
S9	03 Mar 2026	Comments	Water clear; Trash-1; Kelp;Seagrass
S9	10 Mar 2026	Arrive Time	746
S9	10 Mar 2026	Wind Speed (kts)	3.3
S9	10 Mar 2026	Wind Dir	SW
S9	10 Mar 2026	Animal Life	Bird-4; Dog-1;
S9	10 Mar 2026	Floatables	
S9	10 Mar 2026	Current Direction	S
S9	10 Mar 2026	Water Temp (C)	13.3
S9	10 Mar 2026	High Tide Time	107
S9	10 Mar 2026	Low Tide Time	1014
S9	10 Mar 2026	Comments	Water clear; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-2
S9	12 Mar 2026	Arrive Time	902
S9	12 Mar 2026	Wind Speed (kts)	0
S9	12 Mar 2026	Wind Dir	XX
S9	12 Mar 2026	Animal Life	
S9	12 Mar 2026	Floatables	
S9	12 Mar 2026	Current Direction	S
S9	12 Mar 2026	Water Temp (C)	15.6
S9	12 Mar 2026	High Tide Time	438
S9	12 Mar 2026	Low Tide Time	1257
S9	12 Mar 2026	Comments	Water clear; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-4
S9	17 Mar 2026	Arrive Time	814
S9	17 Mar 2026	Wind Speed (kts)	0
S9	17 Mar 2026	Wind Dir	XX
S9	17 Mar 2026	Animal Life	Bird-2;
S9	17 Mar 2026	Floatables	
S9	17 Mar 2026	Current Direction	S
S9	17 Mar 2026	Water Temp (C)	16.1
S9	17 Mar 2026	High Tide Time	838
S9	17 Mar 2026	Low Tide Time	243
S9	17 Mar 2026	Comments	Water clear; Trash-2; Seagrass;Kelp; Sewage-like odor
S9	24 Mar 2026	Arrive Time	756
S9	24 Mar 2026	Wind Speed (kts)	1.5
S9	24 Mar 2026	Wind Dir	N
S9	24 Mar 2026	Animal Life	Bird-5;
S9	24 Mar 2026	Floatables	
S9	24 Mar 2026	Current Direction	S
S9	24 Mar 2026	Water Temp (C)	15.7
S9	24 Mar 2026	High Tide Time	49
S9	24 Mar 2026	Low Tide Time	853
S9	24 Mar 2026	Comments	Water clear; Trash-2; Kelp;Seagrass

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 Mar 2026	***753**	*109	*45	*22	*33	*7	***821**
02 Mar 2026	***753**	*109	*45	*22	*33	*7	***821**
03 Mar 2026	**230**	88	48	18	22	10	**325**
04 Mar 2026	***431**	*85	*46	*14	*16	*12	***520**
05 Mar 2026	***431**	*85	*46	*14	*16	*12	***520**
06 Mar 2026	***431**	*85	*46	*14	*16	*12	***520**
07 Mar 2026	***431**	*85	*46	*14	*16	*12	***520**
08 Mar 2026	***431**	*85	*46	*14	*16	*12	***520**
09 Mar 2026	***431**	*85	*46	*14	*16	*12	***520**
10 Mar 2026	**210**	46	25	11	10	9	**295**
11 Mar 2026	*136	*66	*46	*18	*16	*13	***262**
12 Mar 2026	*136	*66	*46	*18	*16	*13	***262**
13 Mar 2026	*136	*66	*46	*18	*16	*13	***262**
14 Mar 2026	*136	*66	*46	*18	*16	*13	***262**
15 Mar 2026	*136	*66	*46	*18	*16	*13	***262**
16 Mar 2026	*136	*66	*46	*18	*16	*13	***262**
17 Mar 2026	58	33	26	11	20	9	99
18 Mar 2026	58	33	26	11	20	9	99
19 Mar 2026	58	33	26	11	20	9	99
20 Mar 2026	58	33	26	11	20	9	99
21 Mar 2026	*24	*8	*7	*6	*10	*8	*38
22 Mar 2026	*24	*8	*7	*6	*10	*8	*38
23 Mar 2026	*24	*8	*7	*6	*10	*8	*38
24 Mar 2026	15	11	6	5	7	6	32
25 Mar 2026	15	11	6	5	7	6	32
26 Mar 2026	*3	*10	*5	*4	*6	*5	*9
27 Mar 2026	*3	*10	*5	*4	*6	*5	*9
28 Mar 2026	*3	*10	*5	*4	*6	*5	*9
29 Mar 2026	*3	*10	*5	*4	*6	*5	*9
30 Mar 2026	3	8	4	4	6	4	7
31 Mar 2026	3	8	4	4	6	4	7

* 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
03 Mar 2026	IC	IC	IC	IC	IC	IC	IC
10 Mar 2026	IC	IC	IC	IC	IC	IC	IC
17 Mar 2026	IC	IC	IC	IC	IC	IC	IC
24 Mar 2026	IC	IC	IC	IC	IC	IC	IC
30 Mar 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 Mar 2026	**107**	**75**	**38**	22	**39**	5	**459**
02 Mar 2026	**107**	**75**	**38**	22	**39**	5	**459**
03 Mar 2026	**126**	**59**	**36**	9	22	8	**267**
04 Mar 2026	**126**	**59**	**36**	9	22	8	**267**
05 Mar 2026	**126**	**59**	**36**	9	22	8	**267**
06 Mar 2026	**126**	**59**	**36**	9	22	8	**267**
07 Mar 2026	**126**	**59**	**36**	9	22	8	**267**
08 Mar 2026	**126**	**59**	**36**	9	22	8	**267**
09 Mar 2026	**126**	**59**	**36**	9	22	8	**267**
10 Mar 2026	**138**	**54**	**34**	14	29	8	**238**
11 Mar 2026	**138**	**54**	**34**	14	29	8	**238**
12 Mar 2026	**138**	**54**	**34**	14	29	8	**238**
13 Mar 2026	**138**	**54**	**34**	14	29	8	**238**
14 Mar 2026	**138**	**54**	**34**	14	29	8	**238**
15 Mar 2026	**138**	**54**	**34**	14	29	8	**238**
16 Mar 2026	**248**	**36**	22	9	18	9	**250**
17 Mar 2026	**125**	22	15	7	25	8	**122**
18 Mar 2026	**125**	22	15	7	25	8	**122**
19 Mar 2026	**125**	22	15	7	25	8	**122**
20 Mar 2026	**125**	22	15	7	25	8	**122**
21 Mar 2026	**125**	22	15	7	25	8	**122**
22 Mar 2026	**125**	22	15	7	25	8	**122**
23 Mar 2026	**104**	**36**	22	9	**42**	10	**119**
24 Mar 2026	**92**	**65**	15	7	25	8	**156**
25 Mar 2026	**92**	**65**	15	7	25	8	**156**
26 Mar 2026	**92**	**65**	15	7	25	8	**156**
27 Mar 2026	**92**	**65**	15	7	25	8	**156**
28 Mar 2026	**92**	**65**	15	7	25	8	**156**
29 Mar 2026	**92**	**65**	15	7	25	8	**156**
30 Mar 2026	**59**	**60**	14	8	**36**	6	**116**
31 Mar 2026	**59**	**60**	14	8	**36**	6	**116**

* 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
March	**E**	**E**	IC	IC	**E**	IC	**E**

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 Mar 2026	***12400**	***10100**	***8210**	***260**	***450**	***455**	***131**	***315**	***109**	*31	***114**	***450**	***302**	***310**	***160**	*2	*31	***130**	***9300**	***6600**	***1250**
02 Mar 2026	***12400**	***10100**	***8210**	***260**	***450**	***455**	***131**	***315**	***109**	*31	***114**	***450**	***302**	***310**	***160**	*2	*31	***130**	***9300**	***6600**	***1250**
03 Mar 2026	**8800**	**4200**	**420**	**260**	**160**	**100**	**240**	**340**	**160**	2	**92**	**120**	4	20	**120**	2	12	60	**2600**	**2200**	**500**
04 Mar 2026	***12400**	***10100**	***8200**	***490**	***130**	***95**	***211**	***195**	***119**	*2	*70	*70	*3	*12	***90**	*9	*35	***110**	***9300**	***6600**	***1250**
05 Mar 2026	***12400**	***10100**	***8200**	***490**	***130**	***95**	***211**	***195**	***119**	*2	*70	*70	*3	*12	***90**	*9	*35	***110**	***9300**	***6600**	***1250**
06 Mar 2026	***12400**	***10100**	***8200**	***490**	***130**	***95**	***211**	***195**	***119**	*2	*70	*70	*3	*12	***90**	*9	*35	***110**	***9300**	***6600**	***1250**
07 Mar 2026	***12400**	***10100**	***8200**	***490**	***130**	***95**	***211**	***195**	***119**	*2	*70	*70	*3	*12	***90**	*9	*35	***110**	***9300**	***6600**	***1250**
08 Mar 2026	***12400**	***10100**	***8200**	***490**	***130**	***95**	***211**	***195**	***119**	*2	*70	*70	*3	*12	***90**	*9	*35	***110**	***9300**	***6600**	***1250**
09 Mar 2026	***12400**	***10100**	***8200**	***490**	***130**	***95**	***211**	***195**	***119**	*2	*70	*70	*3	*12	***90**	*9	*35	***110**	***9300**	***6600**	***1250**
10 Mar 2026	**8800**	**4200**	**400**	**260**	**100**	**90**	34	50	58	2	48	26	2	4	60	2	22	58	**2600**	**2200**	**500**
11 Mar 2026	***8009**	***8210**	***8040**	***490**	***92**	***95**	***217**	***195**	***119**	*43	*70	***73**	*3	*12	***90**	*9	*40	***129**	***8070**	***5650**	***1190**
12 Mar 2026	***8009**	***8210**	***8040**	***490**	***92**	***95**	***217**	***195**	***119**	*43	*70	***73**	*3	*12	***90**	*9	*40	***129**	***8070**	***5650**	***1190**
13 Mar 2026	***8009**	***8210**	***8040**	***490**	***92**	***95**	***217**	***195**	***119**	*43	*70	***73**	*3	*12	***90**	*9	*40	***129**	***8070**	***5650**	***1190**
14 Mar 2026	***8009**	***8210**	***8040**	***490**	***92**	***95**	***217**	***195**	***119**	*43	*70	***73**	*3	*12	***90**	*9	*40	***129**	***8070**	***5650**	***1190**
15 Mar 2026	***8009**	***8210**	***8040**	***490**	***92**	***95**	***217**	***195**	***119**	*43	*70	***73**	*3	*12	***90**	*9	*40	***129**	***8070**	***5650**	***1190**
16 Mar 2026	***8009**	***8210**	***8040**	***490**	***92**	***95**	***217**	***195**	***119**	*43	*70	***73**	*3	*12	***90**	*9	*40	***129**	***8070**	***5650**	***1190**
17 Mar 2026	18	**420**	**80**	**260**	24	**90**	34	50	58	2	48	26	4	20	**120**	2	22	58	**140**	**300**	**380**
18 Mar 2026	18	**420**	**80**	**260**	24	**90**	34	50	58	2	48	26	4	20	**120**	2	22	58	**140**	**300**	**380**
19 Mar 2026	18	**420**	**80**	**260**	24	**90**	34	50	58	2	48	26	4	20	**120**	2	22	58	**140**	**300**	**380**
20 Mar 2026	18	**420**	**80**	**260**	24	**90**	34	50	58	2	48	26	4	20	**120**	2	22	58	**140**	**300**	**380**
21 Mar 2026	*17	***219**	*57	***175**	*21	*60	*28	*28	*35	*2	*25	*23	*3	*12	***90**	*2	*17	*30	***80**	***280**	***250**
22 Mar 2026	*17	***219**	*57	***175**	*21	*60	*28	*28	*35	*2	*25	*23	*3	*12	***90**	*2	*17	*30	***80**	***280**	***250**
23 Mar 2026	*17	***219**	*57	***175**	*21	*60	*28	*28	*35	*2	*25	*23	*3	*12	***90**	*2	*17	*30	***80**	***280**	***250**
24 Mar 2026	16	18	34	**260**	24	30	22	6	12	2	2	20	2	6	60	2	12	2	**140**	**260**	**120**
25 Mar 2026	16	18	34	**260**	24	30	22	6	12	2	2	20	2	6	60	2	12	2	**140**	**260**	**120**
26 Mar 2026	*16	*14	*25	***405**	*55	*16	*18	*4	*7	*2	*2	*11	*2	*5	*33	*2	*7	*2	***80**	***139**	*70
27 Mar 2026	*16	*14	*25	***405**	*55	*16	*18	*4	*7	*2	*2	*11	*2	*5	*33	*2	*7	*2	***80**	***139**	*70
28 Mar 2026	*16	*14	*25	***405**	*55	*16	*18	*4	*7	*2	*2	*11	*2	*5	*33	*2	*7	*2	***80**	***139**	*70
29 Mar 2026	*16	*14	*25	***405**	*55	*16	*18	*4	*7	*2	*2	*11	*2	*5	*33	*2	*7	*2	***80**	***139**	*70
30 Mar 2026	16	10	16	**90**	18	24	2	6	12	2	2	20	2	6	60	2	2	2	20	18	20
31 Mar 2026	16	10	16	**90**	18	24	2	6	12	2	2	20	2	6	60	2	2	2	20	18	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 mL in 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**
March	IC	**E**	IC	**E**	IC	IC	**E**	**E**	IC	IC	IC	IC	**E**	**E**	**E**	**E**	IC	IC	**E**	**E**	**E**

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; values for temperature (Temp,°C), transmissivity (XMS, %), dissolved oxygen (DO, mg/L), salinity (Sal, ppt) and pH were extracted from CTD profile data for depths closest to those at which the bacteriological samples were collected. Comments follow the data summary.

Station	Date	Time	Depth	Total	Fecal	Entero
I19	03 Mar 2026	1037	2	18e	2e	2e
I19	03 Mar 2026	1037	6	4e	<2	<2
I19	03 Mar 2026	1037	11	80e	2e	44
I19	10 Mar 2026	1201	2	16e	<2	34e
I19	10 Mar 2026	1201	6	420	32e	200e
I19	10 Mar 2026	1201	11	34e	2e	12e
I19	17 Mar 2026	1039	2	16e	2e	<2
I19	17 Mar 2026	1039	6	18e	2e	2e
I19	17 Mar 2026	1039	11	16e	<2	8e
I19	24 Mar 2026	1111	2	8e	2e	140e
I19	24 Mar 2026	1111	6	10e	2e	14e
I19	24 Mar 2026	1111	11	<2	<2	2e
I19	30 Mar 2026	1044	2	2e	<2	2e
I19	30 Mar 2026	1044	6	2e	<2	4e
I19	30 Mar 2026	1044	11	12e	2e	6e
I24	03 Mar 2026	1057	2	720	58	82
I24	03 Mar 2026	1057	6	160e	28e	20e
I24	03 Mar 2026	1057	11	100e	26e	6e
I24	10 Mar 2026	1222	2	90	8e	160e
I24	10 Mar 2026	1222	6	18e	2e	60
I24	10 Mar 2026	1222	11	30e	2e	2e
I24	17 Mar 2026	1059	2	2e	<2	<2
I24	17 Mar 2026	1059	6	12e	<2	2e
I24	17 Mar 2026	1059	11	2e	2e	<2
I24	24 Mar 2026	1128	2	2600e	80e	3600e
I24	24 Mar 2026	1128	6	92	12e	120e
I24	24 Mar 2026	1128	11	2e	<2	2e
I24	30 Mar 2026	1102	2	12e	<2	18e
I24	30 Mar 2026	1102	6	6e	<2	26e
I24	30 Mar 2026	1102	11	24e	8e	60
I25	03 Mar 2026	1102	2	400	110	22e
I25	03 Mar 2026	1102	6	340e	58	36e
I25	03 Mar 2026	1102	9	180e	24e	4e
I25	10 Mar 2026	1230	2	34e	2e	120e
I25	10 Mar 2026	1230	6	6e	<2	18e
I25	10 Mar 2026	1230	9	12e	<2	2e
I25	17 Mar 2026	1105	2	<2	<2	<2
I25	17 Mar 2026	1105	6	<2	4e	2e
I25	17 Mar 2026	1105	9	2e	<2	<2

Station	Date	Time	Depth	Total	Fecal	Entero
I25	24 Mar 2026	1139	2	<2	<2	<2
I25	24 Mar 2026	1139	6	<2	<2	<2
I25	24 Mar 2026	1139	9	<2	<2	<2
I25	30 Mar 2026	1108	2	<2	<2	2e
I25	30 Mar 2026	1108	6	20e	<2	14e
I25	30 Mar 2026	1108	9	14e	4e	18e
I26	03 Mar 2026	1112	2	2e	2e	<2
I26	03 Mar 2026	1112	6	92	24e	<2
I26	03 Mar 2026	1112	9	20e	2e	<2
I26	10 Mar 2026	1241	2	84	2e	120e
I26	10 Mar 2026	1241	6	<2	<2	10e
I26	10 Mar 2026	1241	9	26e	12e	<2
I26	17 Mar 2026	1114	2	2e	<2	2e
I26	17 Mar 2026	1114	6	<2	<2	<2
I26	17 Mar 2026	1114	9	2e	<2	<2
I26	24 Mar 2026	1148	2	<2	<2	<2
I26	24 Mar 2026	1148	6	<2	<2	<2
I26	24 Mar 2026	1148	9	<2	<2	<2
I26	30 Mar 2026	1117	2	<2	<2	2e
I26	30 Mar 2026	1117	6	20e	<2	30e
I26	30 Mar 2026	1117	9	40e	8e	62
I32	03 Mar 2026	1124	2	<2	<2	<2
I32	03 Mar 2026	1124	6	4e	2e	2e
I32	03 Mar 2026	1124	9	60e	10e	10e
I32	10 Mar 2026	1252	2	<2	<2	4e
I32	10 Mar 2026	1252	6	<2	<2	10e
I32	10 Mar 2026	1252	9	6e	<2	22e
I32	17 Mar 2026	1126	2	780	56	320e
I32	17 Mar 2026	1126	6	1600e	100e	80e
I32	17 Mar 2026	1126	9	160e	16e	22e
I32	24 Mar 2026	1200	2	<2	<2	<2
I32	24 Mar 2026	1200	6	6e	<2	<2
I32	24 Mar 2026	1200	9	<2	<2	<2
I32	30 Mar 2026	1129	2	60e	4e	180e
I32	30 Mar 2026	1129	6	100e	8e	380e
I32	30 Mar 2026	1129	9	1000e	20e	340e
I39	03 Mar 2026	1015	2	2200e	160e	320e
I39	03 Mar 2026	1015	12	12e	2e	<2
I39	03 Mar 2026	1015	18	2e	<2	2e
I39	10 Mar 2026	1134	2	<2	<2	<2
I39	10 Mar 2026	1134	12	22e	<2	<2
I39	10 Mar 2026	1134	18	58	4e	4e
I39	17 Mar 2026	1016	2	<2	<2	6e
I39	17 Mar 2026	1016	12	<2	<2	<2
I39	17 Mar 2026	1016	18	2e	<2	<2

Station	Date	Time	Depth	Total	Fecal	Entero
I39	24 Mar 2026	1049	2	<2	<2	<2
I39	24 Mar 2026	1049	12	<2	<2	<2
I39	24 Mar 2026	1049	18	<2	<2	<2
I39	30 Mar 2026	1021	2	<2	<2	<2
I39	30 Mar 2026	1021	12	2e	<2	2e
I39	30 Mar 2026	1021	18	12e	4e	<2
I40	03 Mar 2026	1049	2	20e	<2	<2
I40	03 Mar 2026	1049	6	260e	16e	30e
I40	03 Mar 2026	1049	9	120e	6e	36e
I40	10 Mar 2026	1214	2	140	16e	320e
I40	10 Mar 2026	1214	6	300e	30e	48
I40	10 Mar 2026	1214	9	380e	46	120
I40	17 Mar 2026	1051	2	6e	<2	<2
I40	17 Mar 2026	1051	6	6e	<2	<2
I40	17 Mar 2026	1051	9	20e	<2	6e
I40	24 Mar 2026	1121	2	2400e	40e	1800e
I40	24 Mar 2026	1121	6	18e	2e	8e
I40	24 Mar 2026	1121	9	18e	2e	6e
I40	30 Mar 2026	1055	2	<2	<2	2e
I40	30 Mar 2026	1055	6	4e	<2	18e
I40	30 Mar 2026	1055	9	8e	<2	40

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	03 Mar 2026	Arrive Time	1037
I19	03 Mar 2026	Depart Time	1041
I19	03 Mar 2026	Air Temp (C)	17.8
I19	03 Mar 2026	Visibility (mi)	10
I19	03 Mar 2026	Wind Speed (kts)	2
I19	03 Mar 2026	Wind Dir	SW
I19	03 Mar 2026	Sea State	Calm
I19	03 Mar 2026	High Tide Time	836
I19	03 Mar 2026	Low Tide Time	1506
I19	03 Mar 2026	Comments	
I19	10 Mar 2026	Arrive Time	1201
I19	10 Mar 2026	Depart Time	1206
I19	10 Mar 2026	Air Temp (C)	18.6
I19	10 Mar 2026	Visibility (mi)	10
I19	10 Mar 2026	Wind Speed (kts)	5.1
I19	10 Mar 2026	Wind Dir	NW
I19	10 Mar 2026	Sea State	Regular Swell
I19	10 Mar 2026	High Tide Time	100
I19	10 Mar 2026	Low Tide Time	1012
I19	10 Mar 2026	Comments	
I19	17 Mar 2026	Arrive Time	1039
I19	17 Mar 2026	Depart Time	1044
I19	17 Mar 2026	Air Temp (C)	20.2
I19	17 Mar 2026	Visibility (mi)	10
I19	17 Mar 2026	Wind Speed (kts)	1.9
I19	17 Mar 2026	Wind Dir	W
I19	17 Mar 2026	Sea State	Calm
I19	17 Mar 2026	High Tide Time	836
I19	17 Mar 2026	Low Tide Time	1512
I19	17 Mar 2026	Comments	
I19	24 Mar 2026	Arrive Time	1111
I19	24 Mar 2026	Depart Time	1116
I19	24 Mar 2026	Air Temp (C)	19.7
I19	24 Mar 2026	Visibility (mi)	5
I19	24 Mar 2026	Wind Speed (kts)	2.8
I19	24 Mar 2026	Wind Dir	SW
I19	24 Mar 2026	Sea State	Calm
I19	24 Mar 2026	High Tide Time	48
I19	24 Mar 2026	Low Tide Time	842
I19	24 Mar 2026	Comments	
I19	30 Mar 2026	Arrive Time	1044
I19	30 Mar 2026	Depart Time	1048
I19	30 Mar 2026	Air Temp (C)	18.3
I19	30 Mar 2026	Visibility (mi)	6
I19	30 Mar 2026	Wind Speed (kts)	5
I19	30 Mar 2026	Wind Dir	SW
I19	30 Mar 2026	Sea State	Light Chop
I19	30 Mar 2026	High Tide Time	812
I19	30 Mar 2026	Low Tide Time	1442
I19	30 Mar 2026	Comments	
I40	03 Mar 2026	Arrive Time	1049

Station	Date	Parameter	Value
I40	03 Mar 2026	Depart Time	1052
I40	03 Mar 2026	Air Temp (C)	18.7
I40	03 Mar 2026	Visibility (mi)	10
I40	03 Mar 2026	Wind Speed (kts)	1.9
I40	03 Mar 2026	Wind Dir	W
I40	03 Mar 2026	Sea State	Calm
I40	03 Mar 2026	High Tide Time	836
I40	03 Mar 2026	Low Tide Time	1506
I40	03 Mar 2026	Comments	
I40	10 Mar 2026	Arrive Time	1214
I40	10 Mar 2026	Depart Time	1218
I40	10 Mar 2026	Air Temp (C)	18.1
I40	10 Mar 2026	Visibility (mi)	10
I40	10 Mar 2026	Wind Speed (kts)	3.9
I40	10 Mar 2026	Wind Dir	W
I40	10 Mar 2026	Sea State	Regular Swell
I40	10 Mar 2026	High Tide Time	100
I40	10 Mar 2026	Low Tide Time	1012
I40	10 Mar 2026	Comments	
I40	17 Mar 2026	Arrive Time	1051
I40	17 Mar 2026	Depart Time	1055
I40	17 Mar 2026	Air Temp (C)	19.3
I40	17 Mar 2026	Visibility (mi)	10
I40	17 Mar 2026	Wind Speed (kts)	3.6
I40	17 Mar 2026	Wind Dir	NW
I40	17 Mar 2026	Sea State	Calm
I40	17 Mar 2026	High Tide Time	836
I40	17 Mar 2026	Low Tide Time	1512
I40	17 Mar 2026	Comments	dozens of birds on station
I40	24 Mar 2026	Arrive Time	1121
I40	24 Mar 2026	Depart Time	1128
I40	24 Mar 2026	Air Temp (C)	19
I40	24 Mar 2026	Visibility (mi)	5
I40	24 Mar 2026	Wind Speed (kts)	2.7
I40	24 Mar 2026	Wind Dir	W
I40	24 Mar 2026	Sea State	Calm
I40	24 Mar 2026	High Tide Time	48
I40	24 Mar 2026	Low Tide Time	842
I40	24 Mar 2026	Comments	Sewage-like Odor
I40	30 Mar 2026	Arrive Time	1055
I40	30 Mar 2026	Depart Time	1100
I40	30 Mar 2026	Air Temp (C)	19.1
I40	30 Mar 2026	Visibility (mi)	6
I40	30 Mar 2026	Wind Speed (kts)	7.8
I40	30 Mar 2026	Wind Dir	S
I40	30 Mar 2026	Sea State	Light Chop
I40	30 Mar 2026	High Tide Time	812
I40	30 Mar 2026	Low Tide Time	1442
I40	30 Mar 2026	Comments	
I24	03 Mar 2026	Arrive Time	1057
I24	03 Mar 2026	Depart Time	1100
I24	03 Mar 2026	Air Temp (C)	17.4
I24	03 Mar 2026	Visibility (mi)	10
I24	03 Mar 2026	Wind Speed (kts)	1.9
I24	03 Mar 2026	Wind Dir	SW
I24	03 Mar 2026	Sea State	Calm

Station	Date	Parameter	Value
I24	03 Mar 2026	High Tide Time	836
I24	03 Mar 2026	Low Tide Time	1506
I24	03 Mar 2026	Comments	
I24	10 Mar 2026	Arrive Time	1222
I24	10 Mar 2026	Depart Time	1227
I24	10 Mar 2026	Air Temp (C)	17.1
I24	10 Mar 2026	Visibility (mi)	10
I24	10 Mar 2026	Wind Speed (kts)	6.6
I24	10 Mar 2026	Wind Dir	NW
I24	10 Mar 2026	Sea State	Regular Swell
I24	10 Mar 2026	High Tide Time	100
I24	10 Mar 2026	Low Tide Time	1012
I24	10 Mar 2026	Comments	
I24	17 Mar 2026	Arrive Time	1059
I24	17 Mar 2026	Depart Time	1102
I24	17 Mar 2026	Air Temp (C)	19.6
I24	17 Mar 2026	Visibility (mi)	10
I24	17 Mar 2026	Wind Speed (kts)	4.1
I24	17 Mar 2026	Wind Dir	NW
I24	17 Mar 2026	Sea State	Calm
I24	17 Mar 2026	High Tide Time	836
I24	17 Mar 2026	Low Tide Time	1512
I24	17 Mar 2026	Comments	
I24	24 Mar 2026	Arrive Time	1128
I24	24 Mar 2026	Depart Time	1132
I24	24 Mar 2026	Air Temp (C)	18.8
I24	24 Mar 2026	Visibility (mi)	5
I24	24 Mar 2026	Wind Speed (kts)	4.6
I24	24 Mar 2026	Wind Dir	W
I24	24 Mar 2026	Sea State	Calm
I24	24 Mar 2026	High Tide Time	48
I24	24 Mar 2026	Low Tide Time	842
I24	24 Mar 2026	Comments	Sewage-like Odor
I24	30 Mar 2026	Arrive Time	1102
I24	30 Mar 2026	Depart Time	1105
I24	30 Mar 2026	Air Temp (C)	18.2
I24	30 Mar 2026	Visibility (mi)	6
I24	30 Mar 2026	Wind Speed (kts)	6.2
I24	30 Mar 2026	Wind Dir	S
I24	30 Mar 2026	Sea State	Light Chop
I24	30 Mar 2026	High Tide Time	812
I24	30 Mar 2026	Low Tide Time	1442
I24	30 Mar 2026	Comments	
I25	03 Mar 2026	Arrive Time	1102
I25	03 Mar 2026	Depart Time	1106
I25	03 Mar 2026	Air Temp (C)	17.7
I25	03 Mar 2026	Visibility (mi)	10
I25	03 Mar 2026	Wind Speed (kts)	1.3
I25	03 Mar 2026	Wind Dir	W
I25	03 Mar 2026	Sea State	Calm
I25	03 Mar 2026	High Tide Time	836
I25	03 Mar 2026	Low Tide Time	1506
I25	03 Mar 2026	Comments	
I25	10 Mar 2026	Arrive Time	1230
I25	10 Mar 2026	Depart Time	1233

Station	Date	Parameter	Value
I25	10 Mar 2026	Air Temp (C)	17.5
I25	10 Mar 2026	Visibility (mi)	10
I25	10 Mar 2026	Wind Speed (kts)	5.7
I25	10 Mar 2026	Wind Dir	W
I25	10 Mar 2026	Sea State	Regular Swell
I25	10 Mar 2026	High Tide Time	100
I25	10 Mar 2026	Low Tide Time	1012
I25	10 Mar 2026	Comments	
I25	17 Mar 2026	Arrive Time	1105
I25	17 Mar 2026	Depart Time	1109
I25	17 Mar 2026	Air Temp (C)	19.9
I25	17 Mar 2026	Visibility (mi)	10
I25	17 Mar 2026	Wind Speed (kts)	2.7
I25	17 Mar 2026	Wind Dir	NW
I25	17 Mar 2026	Sea State	Calm
I25	17 Mar 2026	High Tide Time	836
I25	17 Mar 2026	Low Tide Time	1512
I25	17 Mar 2026	Comments	
I25	24 Mar 2026	Arrive Time	1139
I25	24 Mar 2026	Depart Time	1144
I25	24 Mar 2026	Air Temp (C)	19.6
I25	24 Mar 2026	Visibility (mi)	5
I25	24 Mar 2026	Wind Speed (kts)	3.4
I25	24 Mar 2026	Wind Dir	W
I25	24 Mar 2026	Sea State	Calm
I25	24 Mar 2026	High Tide Time	48
I25	24 Mar 2026	Low Tide Time	842
I25	24 Mar 2026	Comments	
I25	30 Mar 2026	Arrive Time	1108
I25	30 Mar 2026	Depart Time	1113
I25	30 Mar 2026	Air Temp (C)	18.2
I25	30 Mar 2026	Visibility (mi)	6
I25	30 Mar 2026	Wind Speed (kts)	6.2
I25	30 Mar 2026	Wind Dir	SW
I25	30 Mar 2026	Sea State	Light Chop
I25	30 Mar 2026	High Tide Time	812
I25	30 Mar 2026	Low Tide Time	1442
I25	30 Mar 2026	Comments	
I39	03 Mar 2026	Arrive Time	1015
I39	03 Mar 2026	Depart Time	1019
I39	03 Mar 2026	Air Temp (C)	18.3
I39	03 Mar 2026	Visibility (mi)	10
I39	03 Mar 2026	Wind Speed (kts)	1
I39	03 Mar 2026	Wind Dir	S
I39	03 Mar 2026	Sea State	Regular Swell
I39	03 Mar 2026	High Tide Time	836
I39	03 Mar 2026	Low Tide Time	1506
I39	03 Mar 2026	Comments	Lobster Floats
I39	10 Mar 2026	Arrive Time	1134
I39	10 Mar 2026	Depart Time	1143
I39	10 Mar 2026	Air Temp (C)	19.4
I39	10 Mar 2026	Visibility (mi)	10
I39	10 Mar 2026	Wind Speed (kts)	3.7
I39	10 Mar 2026	Wind Dir	W
I39	10 Mar 2026	Sea State	Regular Swell
I39	10 Mar 2026	High Tide Time	100

Station	Date	Parameter	Value
I39	10 Mar 2026	Low Tide Time	1012
I39	10 Mar 2026	Comments	bottle 3 misfire; recast for 18m depth; use first cast for data;
I39	17 Mar 2026	Arrive Time	1016
I39	17 Mar 2026	Depart Time	1021
I39	17 Mar 2026	Air Temp (C)	20.5
I39	17 Mar 2026	Visibility (mi)	10
I39	17 Mar 2026	Wind Speed (kts)	0.6
I39	17 Mar 2026	Wind Dir	SE
I39	17 Mar 2026	Sea State	Calm
I39	17 Mar 2026	High Tide Time	836
I39	17 Mar 2026	Low Tide Time	1512
I39	17 Mar 2026	Comments	
I39	24 Mar 2026	Arrive Time	1049
I39	24 Mar 2026	Depart Time	1054
I39	24 Mar 2026	Air Temp (C)	20.6
I39	24 Mar 2026	Visibility (mi)	5
I39	24 Mar 2026	Wind Speed (kts)	2
I39	24 Mar 2026	Wind Dir	NW
I39	24 Mar 2026	Sea State	Calm
I39	24 Mar 2026	High Tide Time	48
I39	24 Mar 2026	Low Tide Time	842
I39	24 Mar 2026	Comments	
I39	30 Mar 2026	Arrive Time	1021
I39	30 Mar 2026	Depart Time	1026
I39	30 Mar 2026	Air Temp (C)	18.2
I39	30 Mar 2026	Visibility (mi)	6
I39	30 Mar 2026	Wind Speed (kts)	6
I39	30 Mar 2026	Wind Dir	SW
I39	30 Mar 2026	Sea State	Light Chop
I39	30 Mar 2026	High Tide Time	812
I39	30 Mar 2026	Low Tide Time	1442
I39	30 Mar 2026	Comments	
I26	03 Mar 2026	Arrive Time	1112
I26	03 Mar 2026	Depart Time	1115
I26	03 Mar 2026	Air Temp (C)	18.2
I26	03 Mar 2026	Visibility (mi)	10
I26	03 Mar 2026	Wind Speed (kts)	1.2
I26	03 Mar 2026	Wind Dir	W
I26	03 Mar 2026	Sea State	Calm
I26	03 Mar 2026	High Tide Time	836
I26	03 Mar 2026	Low Tide Time	1506
I26	03 Mar 2026	Comments	
I26	10 Mar 2026	Arrive Time	1241
I26	10 Mar 2026	Depart Time	1243
I26	10 Mar 2026	Air Temp (C)	18.2
I26	10 Mar 2026	Visibility (mi)	10
I26	10 Mar 2026	Wind Speed (kts)	3.2
I26	10 Mar 2026	Wind Dir	NW
I26	10 Mar 2026	Sea State	Regular Swell
I26	10 Mar 2026	High Tide Time	100
I26	10 Mar 2026	Low Tide Time	1012
I26	10 Mar 2026	Comments	
I26	17 Mar 2026	Arrive Time	1114
I26	17 Mar 2026	Depart Time	1116
I26	17 Mar 2026	Air Temp (C)	19.3

Station	Date	Parameter	Value
I26	17 Mar 2026	Visibility (mi)	10
I26	17 Mar 2026	Wind Speed (kts)	1.9
I26	17 Mar 2026	Wind Dir	NW
I26	17 Mar 2026	Sea State	Calm
I26	17 Mar 2026	High Tide Time	836
I26	17 Mar 2026	Low Tide Time	1512
I26	17 Mar 2026	Comments	
I26	24 Mar 2026	Arrive Time	1148
I26	24 Mar 2026	Depart Time	1152
I26	24 Mar 2026	Air Temp (C)	19
I26	24 Mar 2026	Visibility (mi)	5
I26	24 Mar 2026	Wind Speed (kts)	3.7
I26	24 Mar 2026	Wind Dir	NW
I26	24 Mar 2026	Sea State	Calm
I26	24 Mar 2026	High Tide Time	48
I26	24 Mar 2026	Low Tide Time	842
I26	24 Mar 2026	Comments	
I26	30 Mar 2026	Arrive Time	1117
I26	30 Mar 2026	Depart Time	1121
I26	30 Mar 2026	Air Temp (C)	19.1
I26	30 Mar 2026	Visibility (mi)	6
I26	30 Mar 2026	Wind Speed (kts)	5.3
I26	30 Mar 2026	Wind Dir	S
I26	30 Mar 2026	Sea State	Light Chop
I26	30 Mar 2026	High Tide Time	812
I26	30 Mar 2026	Low Tide Time	1442
I26	30 Mar 2026	Comments	
I32	03 Mar 2026	Arrive Time	1124
I32	03 Mar 2026	Depart Time	1128
I32	03 Mar 2026	Air Temp (C)	17.1
I32	03 Mar 2026	Visibility (mi)	10
I32	03 Mar 2026	Wind Speed (kts)	2.2
I32	03 Mar 2026	Wind Dir	W
I32	03 Mar 2026	Sea State	Calm
I32	03 Mar 2026	High Tide Time	836
I32	03 Mar 2026	Low Tide Time	1506
I32	03 Mar 2026	Comments	
I32	10 Mar 2026	Arrive Time	1252
I32	10 Mar 2026	Depart Time	1255
I32	10 Mar 2026	Air Temp (C)	18.6
I32	10 Mar 2026	Visibility (mi)	10
I32	10 Mar 2026	Wind Speed (kts)	2.9
I32	10 Mar 2026	Wind Dir	W
I32	10 Mar 2026	Sea State	Regular Swell
I32	10 Mar 2026	High Tide Time	100
I32	10 Mar 2026	Low Tide Time	1012
I32	10 Mar 2026	Comments	raft of birds nearby; Kelp Debris
I32	17 Mar 2026	Arrive Time	1126
I32	17 Mar 2026	Depart Time	1128
I32	17 Mar 2026	Air Temp (C)	19.8
I32	17 Mar 2026	Visibility (mi)	10
I32	17 Mar 2026	Wind Speed (kts)	2.6
I32	17 Mar 2026	Wind Dir	NW
I32	17 Mar 2026	Sea State	Calm
I32	17 Mar 2026	High Tide Time	836
I32	17 Mar 2026	Low Tide Time	1512

Station	Date	Parameter	Value
I32	17 Mar 2026	Comments	
I32	24 Mar 2026	Arrive Time	1200
I32	24 Mar 2026	Depart Time	1205
I32	24 Mar 2026	Air Temp (C)	18.7
I32	24 Mar 2026	Visibility (mi)	5
I32	24 Mar 2026	Wind Speed (kts)	2.8
I32	24 Mar 2026	Wind Dir	S
I32	24 Mar 2026	Sea State	Calm
I32	24 Mar 2026	High Tide Time	48
I32	24 Mar 2026	Low Tide Time	842
I32	24 Mar 2026	Comments	
I32	30 Mar 2026	Arrive Time	1129
I32	30 Mar 2026	Depart Time	1132
I32	30 Mar 2026	Air Temp (C)	20.3
I32	30 Mar 2026	Visibility (mi)	6
I32	30 Mar 2026	Wind Speed (kts)	6.4
I32	30 Mar 2026	Wind Dir	S
I32	30 Mar 2026	Sea State	Light Chop
I32	30 Mar 2026	High Tide Time	812
I32	30 Mar 2026	Low Tide Time	1442
I32	30 Mar 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	03 Mar 2026	1	15.64	80.37	8.3	33.30	8.1	24.5	0.79
I19	03 Mar 2026	2	15.71	80.22	8.3	33.29	8.1	24.5	0.77
I19	03 Mar 2026	3	15.64	79.60	8.3	33.31	8.1	24.5	0.75
I19	03 Mar 2026	4	15.22	81.40	8.3	33.34	8.1	24.6	0.76
I19	03 Mar 2026	5	14.98	83.48	8.3	33.34	8.1	24.7	0.92
I19	03 Mar 2026	6	14.53	83.89	8.0	33.37	8.1	24.8	1.42
I19	03 Mar 2026	7	14.38	84.30	7.8	33.35	8.1	24.8	2.90
I19	03 Mar 2026	8	14.34	81.84	7.6	33.34	8.1	24.8	4.58
I19	03 Mar 2026	9	14.29	80.22	7.6	33.34	8.1	24.8	5.80
I19	03 Mar 2026	10	14.26	79.47	7.5	33.34	8.1	24.9	6.08
I19	10 Mar 2026	1	16.48	90.32	8.0	33.28	8.2	24.3	0.42
I19	10 Mar 2026	2	16.46	90.69	8.0	33.29	8.2	24.3	0.42
I19	10 Mar 2026	3	16.29	90.95	8.0	33.29	8.2	24.4	0.46
I19	10 Mar 2026	4	16.12	90.31	8.0	33.28	8.2	24.4	0.60
I19	10 Mar 2026	5	16.13	88.75	8.1	33.28	8.2	24.4	0.67
I19	10 Mar 2026	6	16.12	89.32	8.0	33.29	8.2	24.4	0.82
I19	10 Mar 2026	7	16.05	90.52	8.1	33.30	8.2	24.4	0.86
I19	10 Mar 2026	8	15.99	93.39	8.2	33.30	8.2	24.4	0.80
I19	10 Mar 2026	9	15.87	93.96	8.2	33.30	8.2	24.5	0.83
I19	10 Mar 2026	10	15.82	94.02	8.2	33.30	8.2	24.5	0.87
I19	17 Mar 2026	1	15.97	72.84	8.0	33.30	8.1	24.4	1.20
I19	17 Mar 2026	2	15.86	71.92	7.9	33.30	8.1	24.5	1.16
I19	17 Mar 2026	3	15.55	70.03	7.7	33.31	8.1	24.6	1.41
I19	17 Mar 2026	4	15.43	70.18	7.5	33.31	8.1	24.6	1.94
I19	17 Mar 2026	5	15.34	71.44	7.4	33.31	8.0	24.6	1.93
I19	17 Mar 2026	6	15.30	74.10	7.3	33.31	8.0	24.6	1.91
I19	17 Mar 2026	7	15.13	75.70	7.2	33.32	8.0	24.6	1.88
I19	17 Mar 2026	8	14.84	77.03	7.2	33.34	8.0	24.7	1.92
I19	17 Mar 2026	9	14.73	76.99	7.2	33.33	8.0	24.7	2.10
I19	17 Mar 2026	10	14.65	76.05	7.1	33.33	8.0	24.8	2.26
I19	24 Mar 2026	1	19.39	67.92	7.9	33.15	8.1	23.5	2.35
I19	24 Mar 2026	2	19.35	67.89	7.9	33.16	8.1	23.5	2.44
I19	24 Mar 2026	3	19.15	68.17	7.9	33.19	8.1	23.6	2.63
I19	24 Mar 2026	4	18.68	68.93	7.9	33.25	8.1	23.8	2.97
I19	24 Mar 2026	5	17.96	72.30	7.9	33.29	8.1	24.0	2.96
I19	24 Mar 2026	6	17.05	76.40	7.8	33.32	8.1	24.2	2.82
I19	24 Mar 2026	7	16.36	76.63	7.6	33.31	8.1	24.4	3.12
I19	24 Mar 2026	8	16.04	71.87	7.7	33.31	8.1	24.4	3.05
I19	24 Mar 2026	9	15.88	72.41	7.7	33.31	8.1	24.5	2.56
I19	24 Mar 2026	10	15.74	77.86	7.2	33.31	8.0	24.5	2.80
I19	30 Mar 2026	1	16.75	89.81	8.0	33.30	8.1	24.3	0.54
I19	30 Mar 2026	2	16.71	89.83	8.0	33.30	8.1	24.3	0.52
I19	30 Mar 2026	3	16.65	89.67	8.0	33.30	8.1	24.3	0.59
I19	30 Mar 2026	4	16.25	89.08	8.0	33.30	8.1	24.4	0.73
I19	30 Mar 2026	5	16.18	88.78	7.9	33.30	8.1	24.4	0.86
I19	30 Mar 2026	6	16.06	88.64	7.9	33.30	8.1	24.4	0.97
I19	30 Mar 2026	7	15.75	88.25	7.8	33.30	8.1	24.5	1.04
I19	30 Mar 2026	8	15.62	86.82	7.8	33.30	8.1	24.5	1.24
I19	30 Mar 2026	9	15.47	85.49	7.7	33.31	8.1	24.6	1.34
I19	30 Mar 2026	10	15.34	83.79	7.4	33.31	8.1	24.6	1.54
I40	03 Mar 2026	1	16.02	70.01	8.2	33.28	8.1	24.4	1.30
I40	03 Mar 2026	2	15.73	69.66	8.3	33.29	8.1	24.5	1.21
I40	03 Mar 2026	3	15.57	69.08	8.3	33.30	8.1	24.5	1.76
I40	03 Mar 2026	4	15.41	67.17	8.4	33.30	8.2	24.6	2.65
I40	03 Mar 2026	5	15.01	66.55	8.5	33.31	8.2	24.7	3.03
I40	03 Mar 2026	6	14.61	71.07	8.0	33.32	8.1	24.8	3.37
I40	03 Mar 2026	7	14.25	73.09	7.4	33.33	8.1	24.8	7.70
I40	03 Mar 2026	8	14.14	61.55	7.2	33.33	8.0	24.9	11.56
I40	03 Mar 2026	9	14.02	62.12	6.9	33.33	8.0	24.9	9.85
I40	03 Mar 2026	10	13.92	65.81	6.5	33.34	8.0	24.9	10.62
I40	10 Mar 2026	1	16.46	82.79	7.9	33.08	8.1	24.2	0.60
I40	10 Mar 2026	2	16.26	84.88	8.1	33.25	8.2	24.3	0.57

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I40	10 Mar 2026	3	16.19	88.76	8.1	33.28	8.2	24.4	0.54
I40	10 Mar 2026	4	16.12	91.32	8.1	33.29	8.2	24.4	0.63
I40	10 Mar 2026	5	16.10	91.11	8.1	33.29	8.2	24.4	0.84
I40	10 Mar 2026	6	16.10	89.65	8.0	33.29	8.2	24.4	0.96
I40	10 Mar 2026	7	16.08	88.81	8.1	33.29	8.1	24.4	1.18
I40	10 Mar 2026	8	16.07	88.03	8.1	33.28	8.1	24.4	1.21
I40	10 Mar 2026	9	16.02	86.98	8.0	33.28	8.1	24.4	1.18
I40	10 Mar 2026	10	15.84	85.07	7.8	33.30	8.1	24.5	1.36
I40	17 Mar 2026	1	15.93	76.43	8.1	33.30	8.1	24.5	1.24
I40	17 Mar 2026	2	15.84	76.51	8.1	33.31	8.1	24.5	1.28
I40	17 Mar 2026	3	15.86	75.90	8.0	33.31	8.1	24.5	1.24
I40	17 Mar 2026	4	15.36	75.53	8.1	33.34	8.1	24.6	1.60
I40	17 Mar 2026	5	14.99	77.96	8.0	33.34	8.1	24.7	2.37
I40	17 Mar 2026	6	14.88	80.57	7.8	33.33	8.1	24.7	3.38
I40	17 Mar 2026	7	14.82	81.16	7.7	33.33	8.1	24.7	3.86
I40	17 Mar 2026	8	14.82	80.15	7.4	33.33	8.0	24.7	3.68
I40	17 Mar 2026	9	14.80	74.55	7.2	33.33	8.0	24.7	3.12
I40	17 Mar 2026	10	14.73	69.26	6.9	33.34	8.0	24.7	2.90
I40	24 Mar 2026	1	19.42	53.76	7.6	32.79	8.1	23.2	3.68
I40	24 Mar 2026	2	19.04	54.82	7.7	33.08	8.1	23.5	3.34
I40	24 Mar 2026	3	18.67	62.00	7.5	33.25	8.1	23.8	2.06
I40	24 Mar 2026	4	17.57	72.74	7.3	33.33	8.1	24.1	1.79
I40	24 Mar 2026	5	16.42	77.60	7.4	33.36	8.1	24.4	1.82
I40	24 Mar 2026	6	15.92	79.33	7.3	33.33	8.1	24.5	1.83
I40	24 Mar 2026	7	15.79	79.34	7.2	33.32	8.0	24.5	1.84
I40	24 Mar 2026	8	15.77	74.15	7.1	33.31	8.0	24.5	1.81
I40	24 Mar 2026	9	15.77	65.48	7.1	33.31	8.0	24.5	1.89
I40	30 Mar 2026	1	16.74	89.53	8.0	33.31	8.1	24.3	0.49
I40	30 Mar 2026	2	16.70	80.11	8.0	33.31	8.1	24.3	0.50
I40	30 Mar 2026	3	16.67	80.18	8.0	33.31	8.1	24.3	0.57
I40	30 Mar 2026	4	16.53	88.81	8.0	33.30	8.1	24.3	0.73
I40	30 Mar 2026	5	16.44	88.30	7.9	33.29	8.1	24.3	0.91
I40	30 Mar 2026	6	16.23	87.68	7.9	33.28	8.1	24.4	1.05
I40	30 Mar 2026	7	16.05	86.43	7.9	33.27	8.1	24.4	1.21
I40	30 Mar 2026	8	15.95	85.62	7.8	33.27	8.1	24.4	1.31
I40	30 Mar 2026	9	15.69	84.57	7.8	33.27	8.1	24.5	1.56
I40	30 Mar 2026	10	15.52	81.31	7.7	33.27	8.1	24.5	2.01
I24	03 Mar 2026	1	16.17	77.75	8.7	33.18	8.2	24.3	0.74
I24	03 Mar 2026	2	16.17	78.00	8.7	33.18	8.2	24.3	0.75
I24	03 Mar 2026	3	16.07	75.85	8.8	33.23	8.2	24.4	0.80
I24	03 Mar 2026	4	16.04	77.99	9.0	33.26	8.2	24.4	0.95
I24	03 Mar 2026	5	16.02	80.62	9.1	33.28	8.2	24.4	1.00
I24	03 Mar 2026	6	15.90	85.28	9.0	33.28	8.2	24.4	1.09
I24	03 Mar 2026	7	15.61	87.08	8.9	33.28	8.2	24.5	1.26
I24	03 Mar 2026	8	15.15	87.35	8.6	33.30	8.2	24.6	1.60
I24	03 Mar 2026	9	14.44	86.77	8.2	33.31	8.1	24.8	2.95
I24	03 Mar 2026	10	14.14	83.43	7.9	33.34	8.1	24.9	5.75
I24	10 Mar 2026	1	16.59	89.62	8.0	33.13	8.2	24.2	0.35
I24	10 Mar 2026	2	16.32	90.16	8.1	33.27	8.2	24.3	0.36
I24	10 Mar 2026	3	16.25	93.32	8.2	33.30	8.2	24.4	0.40
I24	10 Mar 2026	4	16.15	93.83	8.2	33.30	8.2	24.4	0.45
I24	10 Mar 2026	5	16.12	93.89	8.2	33.30	8.2	24.4	0.46
I24	10 Mar 2026	6	16.05	93.92	8.2	33.30	8.2	24.4	0.50
I24	10 Mar 2026	7	15.75	93.96	8.3	33.31	8.2	24.5	0.58
I24	10 Mar 2026	8	15.67	93.36	8.2	33.30	8.2	24.5	0.72
I24	10 Mar 2026	9	15.62	90.83	8.2	33.30	8.2	24.5	0.72
I24	17 Mar 2026	1	15.74	82.14	8.2	33.31	8.1	24.5	1.17
I24	17 Mar 2026	2	15.54	78.85	8.1	33.31	8.1	24.6	1.18
I24	17 Mar 2026	3	15.26	80.82	7.8	33.32	8.1	24.6	1.43
I24	17 Mar 2026	4	15.12	82.04	7.7	33.32	8.1	24.7	1.93
I24	17 Mar 2026	5	15.03	80.96	7.6	33.32	8.1	24.7	2.31
I24	17 Mar 2026	6	14.86	80.68	7.7	33.32	8.1	24.7	2.78
I24	17 Mar 2026	7	14.70	81.27	7.6	33.33	8.1	24.7	3.09
I24	17 Mar 2026	8	14.61	82.04	7.1	33.33	8.0	24.8	3.37
I24	17 Mar 2026	9	14.51	79.57	6.8	33.34	8.0	24.8	2.92
I24	17 Mar 2026	10	14.45	75.55	6.6	33.34	8.0	24.8	2.21
I24	24 Mar 2026	1	19.11	68.56	7.3	32.83	8.1	23.3	1.22

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I24	24 Mar 2026	2	18.96	68.29	7.5	33.06	8.1	23.5	1.31
I24	24 Mar 2026	3	18.61	67.82	7.8	33.24	8.1	23.8	1.60
I24	24 Mar 2026	4	17.74	74.67	7.9	33.34	8.1	24.1	1.06
I24	24 Mar 2026	5	17.12	80.72	8.0	33.34	8.1	24.2	1.11
I24	24 Mar 2026	6	16.38	85.10	7.9	33.34	8.1	24.4	2.01
I24	24 Mar 2026	7	16.15	86.43	7.8	33.32	8.1	24.4	1.69
I24	24 Mar 2026	8	16.11	88.96	7.8	33.31	8.1	24.4	1.25
I24	24 Mar 2026	9	16.12	89.71	7.7	33.31	8.1	24.4	1.25
I24	30 Mar 2026	1	16.37	90.49	7.9	33.31	8.1	24.4	0.55
I24	30 Mar 2026	2	16.25	89.99	7.9	33.31	8.1	24.4	0.70
I24	30 Mar 2026	3	16.17	88.92	7.8	33.31	8.1	24.4	0.68
I24	30 Mar 2026	4	15.84	88.39	7.8	33.30	8.1	24.5	1.08
I24	30 Mar 2026	5	15.81	86.58	7.8	33.30	8.1	24.5	1.40
I24	30 Mar 2026	6	15.81	86.20	7.8	33.30	8.1	24.5	1.59
I24	30 Mar 2026	7	15.76	85.86	7.8	33.29	8.1	24.5	1.71
I24	30 Mar 2026	8	15.74	85.49	7.8	33.29	8.1	24.5	1.81
I24	30 Mar 2026	9	15.28	84.91	7.6	33.30	8.1	24.6	1.91
I24	30 Mar 2026	10	14.88	84.77	7.3	33.32	8.1	24.7	2.05
I25	03 Mar 2026	1	16.22	76.03	8.7	33.16	8.2	24.3	0.78
I25	03 Mar 2026	2	16.24	75.48	8.7	33.16	8.2	24.3	0.78
I25	03 Mar 2026	3	16.06	75.89	8.8	33.19	8.2	24.3	0.77
I25	03 Mar 2026	4	16.05	76.06	8.9	33.27	8.2	24.4	1.18
I25	03 Mar 2026	5	15.97	78.42	9.0	33.29	8.2	24.4	1.26
I25	03 Mar 2026	6	15.92	84.02	9.0	33.29	8.2	24.4	1.22
I25	03 Mar 2026	7	15.78	86.76	8.8	33.29	8.2	24.5	1.56
I25	03 Mar 2026	8	15.01	87.49	8.5	33.32	8.2	24.7	1.60
I25	03 Mar 2026	9	14.35	86.93	8.2	33.34	8.1	24.8	3.38
I25	10 Mar 2026	1	16.52	90.29	8.1	33.20	8.2	24.2	0.34
I25	10 Mar 2026	2	16.47	90.53	8.1	33.23	8.2	24.3	0.33
I25	10 Mar 2026	3	16.25	92.08	8.1	33.30	8.2	24.4	0.33
I25	10 Mar 2026	4	16.16	94.06	8.2	33.30	8.2	24.4	0.40
I25	10 Mar 2026	5	16.08	93.87	8.2	33.30	8.2	24.4	0.48
I25	10 Mar 2026	6	15.87	93.63	8.2	33.31	8.2	24.5	0.52
I25	10 Mar 2026	7	15.68	93.03	8.2	33.30	8.2	24.5	0.57
I25	10 Mar 2026	8	15.64	90.25	8.1	33.30	8.2	24.5	0.61
I25	10 Mar 2026	9	15.62	89.86	8.1	33.30	8.1	24.5	0.69
I25	17 Mar 2026	1	16.42	77.61	8.1	33.28	8.1	24.3	1.06
I25	17 Mar 2026	2	16.10	77.33	8.0	33.30	8.1	24.4	1.02
I25	17 Mar 2026	3	15.46	75.88	8.3	33.32	8.1	24.6	1.22
I25	17 Mar 2026	4	15.17	78.44	8.3	33.32	8.1	24.6	1.54
I25	17 Mar 2026	5	14.96	81.73	7.9	33.32	8.1	24.7	2.03
I25	17 Mar 2026	6	14.86	80.61	7.4	33.32	8.0	24.7	3.02
I25	17 Mar 2026	7	14.82	75.60	7.2	33.32	8.0	24.7	3.56
I25	17 Mar 2026	8	14.75	76.04	7.0	33.33	8.0	24.7	2.33
I25	17 Mar 2026	9	14.72	78.74	6.8	33.33	8.0	24.7	1.77
I25	24 Mar 2026	1	19.59	79.00	7.8	33.22	8.1	23.5	0.91
I25	24 Mar 2026	2	19.56	78.92	7.7	33.23	8.1	23.5	0.94
I25	24 Mar 2026	3	19.13	79.06	7.7	33.27	8.1	23.7	0.98
I25	24 Mar 2026	4	18.07	79.47	8.1	33.34	8.1	24.0	0.89
I25	24 Mar 2026	5	17.51	82.01	8.3	33.33	8.1	24.1	0.67
I25	24 Mar 2026	6	16.75	87.15	8.3	33.34	8.1	24.3	0.69
I25	24 Mar 2026	7	15.95	89.36	8.2	33.34	8.1	24.5	0.96
I25	24 Mar 2026	8	15.68	88.56	8.1	33.32	8.1	24.5	1.26
I25	24 Mar 2026	9	15.66	88.05	8.0	33.32	8.1	24.5	1.33
I25	30 Mar 2026	1	16.45	90.77	7.9	33.31	8.1	24.3	0.54
I25	30 Mar 2026	2	16.38	90.95	7.9	33.31	8.1	24.4	0.53
I25	30 Mar 2026	3	15.98	90.89	7.9	33.32	8.1	24.5	0.59
I25	30 Mar 2026	4	15.73	90.48	7.9	33.31	8.1	24.5	0.81
I25	30 Mar 2026	5	15.70	88.31	7.9	33.30	8.1	24.5	1.23
I25	30 Mar 2026	6	15.69	87.03	7.8	33.30	8.1	24.5	1.53
I25	30 Mar 2026	7	15.63	86.62	7.7	33.30	8.1	24.5	1.74
I25	30 Mar 2026	8	15.22	86.04	7.5	33.31	8.1	24.6	1.95
I25	30 Mar 2026	9	14.79	85.28	7.3	33.30	8.0	24.7	2.20
I39	03 Mar 2026	1	16.43	76.67	8.7	33.06	8.2	24.2	0.67
I39	03 Mar 2026	2	16.33	77.49	8.8	33.18	8.2	24.3	0.69
I39	03 Mar 2026	3	16.27	81.44	9.0	33.26	8.2	24.3	0.79
I39	03 Mar 2026	4	16.18	85.46	8.8	33.26	8.2	24.4	0.99

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I39	03 Mar 2026	5	14.90	86.63	8.6	33.27	8.2	24.7	1.19
I39	03 Mar 2026	6	14.54	86.34	8.3	33.26	8.1	24.7	2.46
I39	03 Mar 2026	7	14.54	84.72	8.2	33.26	8.1	24.7	3.10
I39	03 Mar 2026	8	14.27	83.73	8.0	33.27	8.1	24.8	4.09
I39	03 Mar 2026	9	14.20	83.70	7.9	33.29	8.1	24.8	4.79
I39	03 Mar 2026	10	14.14	83.99	7.8	33.30	8.1	24.8	4.97
I39	03 Mar 2026	11	14.12	83.79	7.6	33.30	8.1	24.9	4.94
I39	03 Mar 2026	12	13.95	83.22	7.2	33.33	8.0	24.9	4.61
I39	03 Mar 2026	13	13.83	82.71	6.9	33.34	8.0	24.9	4.40
I39	03 Mar 2026	14	13.81	82.69	6.9	33.35	8.0	24.9	4.79
I39	03 Mar 2026	15	13.73	82.04	6.9	33.35	8.0	25.0	4.96
I39	03 Mar 2026	16	13.57	81.33	6.7	33.36	8.0	25.0	5.20
I39	03 Mar 2026	17	13.47	82.04	6.5	33.37	8.0	25.0	5.66
I39	03 Mar 2026	18	13.44	82.67	6.4	33.36	8.0	25.0	5.62
I39	10 Mar 2026	1	16.36	95.24	8.2	33.29	8.2	24.4	0.22
I39	10 Mar 2026	2	16.28	95.23	8.2	33.30	8.2	24.4	0.22
I39	10 Mar 2026	3	16.06	95.31	8.2	33.30	8.2	24.4	0.21
I39	10 Mar 2026	4	16.03	95.25	8.2	33.30	8.2	24.4	0.24
I39	10 Mar 2026	5	16.00	94.95	8.2	33.30	8.2	24.4	0.27
I39	10 Mar 2026	6	15.94	94.81	8.2	33.30	8.2	24.5	0.30
I39	10 Mar 2026	7	15.88	94.57	8.2	33.30	8.2	24.5	0.36
I39	10 Mar 2026	8	15.84	94.55	8.3	33.30	8.2	24.5	0.39
I39	10 Mar 2026	9	15.72	94.59	8.2	33.30	8.2	24.5	0.45
I39	10 Mar 2026	10	15.62	94.10	8.2	33.30	8.2	24.5	0.63
I39	10 Mar 2026	11	15.60	93.39	8.2	33.30	8.2	24.5	0.89
I39	10 Mar 2026	12	15.57	92.83	8.1	33.30	8.2	24.5	1.01
I39	10 Mar 2026	13	15.50	92.71	8.1	33.30	8.1	24.6	1.07
I39	10 Mar 2026	14	15.45	92.77	8.0	33.31	8.1	24.6	1.06
I39	10 Mar 2026	15	15.40	92.42	7.9	33.30	8.1	24.6	1.03
I39	10 Mar 2026	16	15.37	92.46	7.9	33.30	8.1	24.6	1.03
I39	10 Mar 2026	17	15.32	92.76	7.8	33.31	8.1	24.6	0.83
I39	10 Mar 2026	18	15.25	92.77	7.6	33.31	8.1	24.6	0.77
I39	17 Mar 2026	1	17.47	89.87	8.1	33.29	8.1	24.1	0.69
I39	17 Mar 2026	2	17.36	89.73	8.1	33.30	8.1	24.1	0.70
I39	17 Mar 2026	3	17.01	89.69	8.1	33.30	8.1	24.2	0.72
I39	17 Mar 2026	4	16.88	89.72	8.1	33.30	8.1	24.2	0.80
I39	17 Mar 2026	5	16.78	89.80	8.1	33.30	8.1	24.3	0.90
I39	17 Mar 2026	6	16.72	88.96	8.2	33.30	8.1	24.3	1.16
I39	17 Mar 2026	7	16.70	87.30	8.2	33.30	8.1	24.3	1.58
I39	17 Mar 2026	8	16.70	86.75	8.2	33.30	8.1	24.3	1.84
I39	17 Mar 2026	9	16.68	86.47	8.2	33.30	8.1	24.3	1.97
I39	17 Mar 2026	10	16.67	86.16	8.2	33.30	8.1	24.3	1.99
I39	17 Mar 2026	11	16.45	86.21	8.1	33.31	8.1	24.3	2.10
I39	17 Mar 2026	12	16.10	85.51	8.2	33.31	8.1	24.4	2.17
I39	17 Mar 2026	13	15.81	84.12	8.1	33.31	8.1	24.5	2.27
I39	17 Mar 2026	14	15.13	83.49	7.9	33.33	8.1	24.7	2.22
I39	17 Mar 2026	15	14.92	83.61	7.6	33.33	8.1	24.7	2.23
I39	17 Mar 2026	16	14.65	85.02	7.2	33.33	8.0	24.8	2.32
I39	17 Mar 2026	17	14.45	86.73	7.2	33.34	8.0	24.8	2.35
I39	17 Mar 2026	18	14.17	86.87	6.9	33.34	8.0	24.9	2.39
I39	24 Mar 2026	1	18.80	88.10	8.3	33.30	8.1	23.8	0.71
I39	24 Mar 2026	2	18.66	88.03	8.3	33.30	8.1	23.8	0.74
I39	24 Mar 2026	3	18.52	87.73	8.3	33.30	8.1	23.8	0.80
I39	24 Mar 2026	4	18.41	87.71	8.3	33.30	8.1	23.9	0.87
I39	24 Mar 2026	5	18.38	87.22	8.3	33.30	8.1	23.9	0.98
I39	24 Mar 2026	6	18.36	87.59	8.3	33.30	8.1	23.9	1.08
I39	24 Mar 2026	7	18.19	88.12	8.4	33.30	8.1	23.9	1.47
I39	24 Mar 2026	8	18.06	88.48	8.4	33.30	8.1	24.0	1.40
I39	24 Mar 2026	9	17.92	88.91	8.4	33.30	8.1	24.0	1.28
I39	24 Mar 2026	10	17.57	90.43	8.4	33.30	8.1	24.1	1.19
I39	24 Mar 2026	11	17.35	91.14	8.5	33.30	8.1	24.1	1.11
I39	24 Mar 2026	12	17.25	91.37	8.6	33.30	8.1	24.2	1.15
I39	24 Mar 2026	13	17.07	91.22	8.6	33.29	8.1	24.2	1.38
I39	24 Mar 2026	14	16.53	90.65	8.8	33.31	8.1	24.3	1.46
I39	24 Mar 2026	15	15.79	90.18	8.6	33.32	8.1	24.5	1.58
I39	24 Mar 2026	16	15.02	89.72	8.0	33.32	8.1	24.7	2.32
I39	24 Mar 2026	17	14.96	88.63	7.7	33.31	8.0	24.7	2.57
I39	24 Mar 2026	18	14.89	88.27	7.4	33.31	8.0	24.7	1.87
I39	30 Mar 2026	1	15.79	91.02	7.7	33.32	8.1	24.5	0.53
I39	30 Mar 2026	2	15.83	90.95	7.6	33.31	8.1	24.5	0.57

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I39	30 Mar 2026	3	15.06	90.82	7.3	33.34	8.1	24.7	0.53
I39	30 Mar 2026	4	14.41	90.88	7.0	33.34	8.0	24.8	0.63
I39	30 Mar 2026	5	14.13	90.68	6.9	33.34	8.0	24.9	0.89
I39	30 Mar 2026	6	14.07	90.39	6.8	33.34	8.0	24.9	1.05
I39	30 Mar 2026	7	13.93	90.42	6.7	33.34	8.0	24.9	1.21
I39	30 Mar 2026	8	13.75	90.87	6.5	33.35	8.0	25.0	1.27
I39	30 Mar 2026	9	13.65	91.36	6.4	33.36	8.0	25.0	1.22
I39	30 Mar 2026	10	13.59	91.87	6.3	33.36	8.0	25.0	1.28
I39	30 Mar 2026	11	13.51	92.62	6.2	33.37	8.0	25.0	1.19
I39	30 Mar 2026	12	13.47	92.95	6.1	33.37	8.0	25.0	1.16
I39	30 Mar 2026	13	13.47	93.18	6.1	33.37	8.0	25.0	1.18
I39	30 Mar 2026	14	13.46	93.27	6.1	33.37	8.0	25.0	1.22
I39	30 Mar 2026	15	13.43	93.31	6.1	33.37	8.0	25.0	1.23
I39	30 Mar 2026	16	13.43	93.44	6.0	33.37	8.0	25.0	1.21
I39	30 Mar 2026	17	13.40	93.50	6.0	33.38	8.0	25.1	1.23
I39	30 Mar 2026	18	13.36	93.64	6.0	33.38	7.9	25.1	1.13
I26	03 Mar 2026	1	16.38	78.83	8.7	33.29	8.2	24.3	0.67
I26	03 Mar 2026	2	16.21	78.57	8.7	33.30	8.2	24.4	0.71
I26	03 Mar 2026	3	16.09	79.24	8.7	33.30	8.2	24.4	0.71
I26	03 Mar 2026	4	15.74	77.97	8.9	33.30	8.2	24.5	0.77
I26	03 Mar 2026	5	15.57	80.44	8.9	33.30	8.2	24.5	1.06
I26	03 Mar 2026	6	15.43	83.32	8.7	33.30	8.2	24.6	1.44
I26	03 Mar 2026	7	15.10	83.24	8.3	33.31	8.1	24.6	1.68
I26	03 Mar 2026	8	14.68	83.41	8.1	33.33	8.1	24.8	2.51
I26	03 Mar 2026	9	14.56	82.53	7.9	33.33	8.1	24.8	4.54
I26	10 Mar 2026	1	16.66	87.61	8.0	33.03	8.1	24.1	0.29
I26	10 Mar 2026	2	16.43	87.57	8.0	33.14	8.1	24.2	0.32
I26	10 Mar 2026	3	16.06	88.45	8.2	33.31	8.2	24.4	0.35
I26	10 Mar 2026	4	16.00	92.07	8.2	33.30	8.2	24.4	0.39
I26	10 Mar 2026	5	15.99	93.53	8.2	33.30	8.2	24.4	0.48
I26	10 Mar 2026	6	15.98	93.52	8.2	33.30	8.2	24.4	0.59
I26	10 Mar 2026	7	15.82	92.53	7.9	33.30	8.1	24.5	0.69
I26	10 Mar 2026	8	15.73	90.88	7.7	33.30	8.1	24.5	0.55
I26	10 Mar 2026	9	15.73	89.47	7.7	33.30	8.1	24.5	0.53
I26	17 Mar 2026	1	16.85	79.08	7.7	33.29	8.1	24.2	0.73
I26	17 Mar 2026	2	15.68	77.84	7.5	33.34	8.1	24.5	0.82
I26	17 Mar 2026	3	15.38	75.66	7.3	33.33	8.0	24.6	1.00
I26	17 Mar 2026	4	15.23	80.10	7.5	33.33	8.1	24.6	1.24
I26	17 Mar 2026	5	15.02	84.18	7.6	33.33	8.1	24.7	1.81
I26	17 Mar 2026	6	14.81	85.97	7.7	33.33	8.1	24.7	2.86
I26	17 Mar 2026	7	14.70	86.26	7.6	33.33	8.1	24.7	2.39
I26	17 Mar 2026	8	14.69	88.74	7.6	33.33	8.1	24.8	2.12
I26	17 Mar 2026	9	14.69	89.75	7.6	33.33	8.1	24.8	1.95
I26	24 Mar 2026	1	19.17	83.42	8.0	33.27	8.1	23.7	0.80
I26	24 Mar 2026	2	18.59	83.89	8.0	33.31	8.1	23.8	0.74
I26	24 Mar 2026	3	17.76	84.20	8.3	33.31	8.1	24.0	0.55
I26	24 Mar 2026	4	17.38	87.36	8.4	33.31	8.1	24.1	0.54
I26	24 Mar 2026	5	16.86	89.87	8.2	33.32	8.1	24.3	0.63
I26	24 Mar 2026	6	15.88	89.55	7.9	33.33	8.1	24.5	0.92
I26	24 Mar 2026	7	15.60	87.89	7.8	33.31	8.1	24.5	1.90
I26	24 Mar 2026	8	15.53	84.81	7.7	33.31	8.1	24.6	1.52
I26	24 Mar 2026	9	15.45	86.16	7.6	33.31	8.1	24.6	1.19
I26	30 Mar 2026	1	16.53	91.00	7.9	33.31	8.1	24.3	0.50
I26	30 Mar 2026	2	16.51	91.01	7.9	33.31	8.1	24.3	0.51
I26	30 Mar 2026	3	16.37	90.62	7.9	33.32	8.1	24.4	0.55
I26	30 Mar 2026	4	16.02	90.50	7.9	33.32	8.1	24.5	0.64
I26	30 Mar 2026	5	15.90	88.73	7.9	33.31	8.1	24.5	1.03
I26	30 Mar 2026	6	15.87	87.29	7.8	33.30	8.1	24.5	1.20
I26	30 Mar 2026	7	15.76	86.96	7.7	33.31	8.1	24.5	1.36
I26	30 Mar 2026	8	14.80	86.86	7.4	33.35	8.1	24.7	1.54
I26	30 Mar 2026	9	14.52	88.69	7.2	33.34	8.1	24.8	1.34
I32	03 Mar 2026	1	16.39	82.10	9.2	33.28	8.2	24.3	0.83
I32	03 Mar 2026	2	16.29	79.70	9.1	33.29	8.2	24.4	0.82
I32	03 Mar 2026	3	15.82	78.03	8.8	33.29	8.2	24.5	0.87
I32	03 Mar 2026	4	15.52	74.87	8.5	33.29	8.2	24.5	1.45
I32	03 Mar 2026	5	15.31	66.41	8.4	33.29	8.2	24.6	2.98
I32	03 Mar 2026	6	14.93	59.75	8.5	33.31	8.1	24.7	5.90
I32	03 Mar 2026	7	14.61	59.56	8.3	33.31	8.1	24.8	7.96

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I32	03 Mar 2026	8	14.38	62.92	7.7	33.32	8.1	24.8	9.84
I32	03 Mar 2026	9	14.28	63.00	7.2	33.33	8.0	24.8	13.58
I32	03 Mar 2026	10	14.03	55.82	6.8	33.34	8.0	24.9	14.48
I32	10 Mar 2026	1	16.55	92.87	8.0	33.30	8.1	24.3	0.46
I32	10 Mar 2026	2	16.54	92.04	8.0	33.30	8.1	24.3	0.42
I32	10 Mar 2026	3	16.42	92.33	8.1	33.31	8.1	24.3	0.48
I32	10 Mar 2026	4	16.35	90.24	8.1	33.30	8.1	24.4	0.69
I32	10 Mar 2026	5	16.33	91.32	8.0	33.30	8.1	24.4	0.79
I32	10 Mar 2026	6	16.32	90.28	8.1	33.30	8.1	24.4	0.89
I32	10 Mar 2026	7	16.28	88.94	8.1	33.29	8.1	24.4	1.03
I32	10 Mar 2026	8	16.27	87.53	8.1	33.29	8.1	24.4	1.20
I32	10 Mar 2026	9	16.24	85.95	8.1	33.29	8.1	24.4	1.35
I32	10 Mar 2026	10	16.16	79.11	8.0	33.28	8.1	24.4	1.37
I32	17 Mar 2026	1	16.93	73.71	8.0	33.11	8.1	24.1	1.33
I32	17 Mar 2026	2	16.66	73.45	7.9	33.12	8.1	24.2	1.30
I32	17 Mar 2026	3	16.20	72.70	8.0	33.21	8.1	24.3	1.49
I32	17 Mar 2026	4	15.84	72.24	7.9	33.24	8.1	24.4	1.69
I32	17 Mar 2026	5	15.66	74.14	7.8	33.26	8.1	24.5	2.03
I32	17 Mar 2026	6	15.19	74.25	7.7	33.33	8.1	24.6	2.35
I32	17 Mar 2026	7	14.87	77.04	7.7	33.34	8.1	24.7	2.64
I32	17 Mar 2026	8	14.75	80.07	7.5	33.33	8.1	24.7	2.76
I32	17 Mar 2026	9	14.61	81.82	7.4	33.34	8.1	24.8	2.17
I32	17 Mar 2026	10	14.59	81.68	7.3	33.33	8.0	24.8	1.97
I32	24 Mar 2026	1	19.41	79.65	8.0	33.28	8.1	23.6	1.12
I32	24 Mar 2026	2	19.18	79.80	7.9	33.30	8.1	23.7	1.13
I32	24 Mar 2026	3	18.13	79.73	7.8	33.32	8.1	24.0	1.19
I32	24 Mar 2026	4	17.06	79.69	7.9	33.32	8.1	24.2	0.93
I32	24 Mar 2026	5	16.38	81.71	7.8	33.32	8.1	24.4	1.06
I32	24 Mar 2026	6	16.19	82.91	7.5	33.31	8.1	24.4	2.16
I32	24 Mar 2026	7	16.08	80.91	7.3	33.31	8.0	24.4	4.68
I32	24 Mar 2026	8	15.98	74.30	7.2	33.30	8.0	24.4	3.83
I32	24 Mar 2026	9	15.95	70.23	7.1	33.30	8.0	24.5	3.81
I32	24 Mar 2026	10	15.95	69.57	7.1	33.31	8.0	24.5	3.40
I32	30 Mar 2026	1	16.64	88.15	7.8	33.28	8.1	24.3	0.55
I32	30 Mar 2026	2	16.48	88.06	7.8	33.28	8.1	24.3	0.57
I32	30 Mar 2026	3	16.22	87.16	7.8	33.27	8.1	24.4	0.73
I32	30 Mar 2026	4	16.20	86.42	7.8	33.26	8.1	24.4	0.93
I32	30 Mar 2026	5	16.18	86.30	7.7	33.26	8.1	24.4	1.08
I32	30 Mar 2026	6	16.08	86.07	7.7	33.26	8.1	24.4	1.18
I32	30 Mar 2026	7	16.00	85.82	7.6	33.24	8.1	24.4	1.22
I32	30 Mar 2026	8	15.89	85.58	7.5	33.23	8.1	24.4	1.22
I32	30 Mar 2026	9	15.87	85.47	7.5	33.24	8.1	24.4	1.22
I32	30 Mar 2026	10	15.76	84.45	7.6	33.29	8.1	24.5	1.44

NA = not available

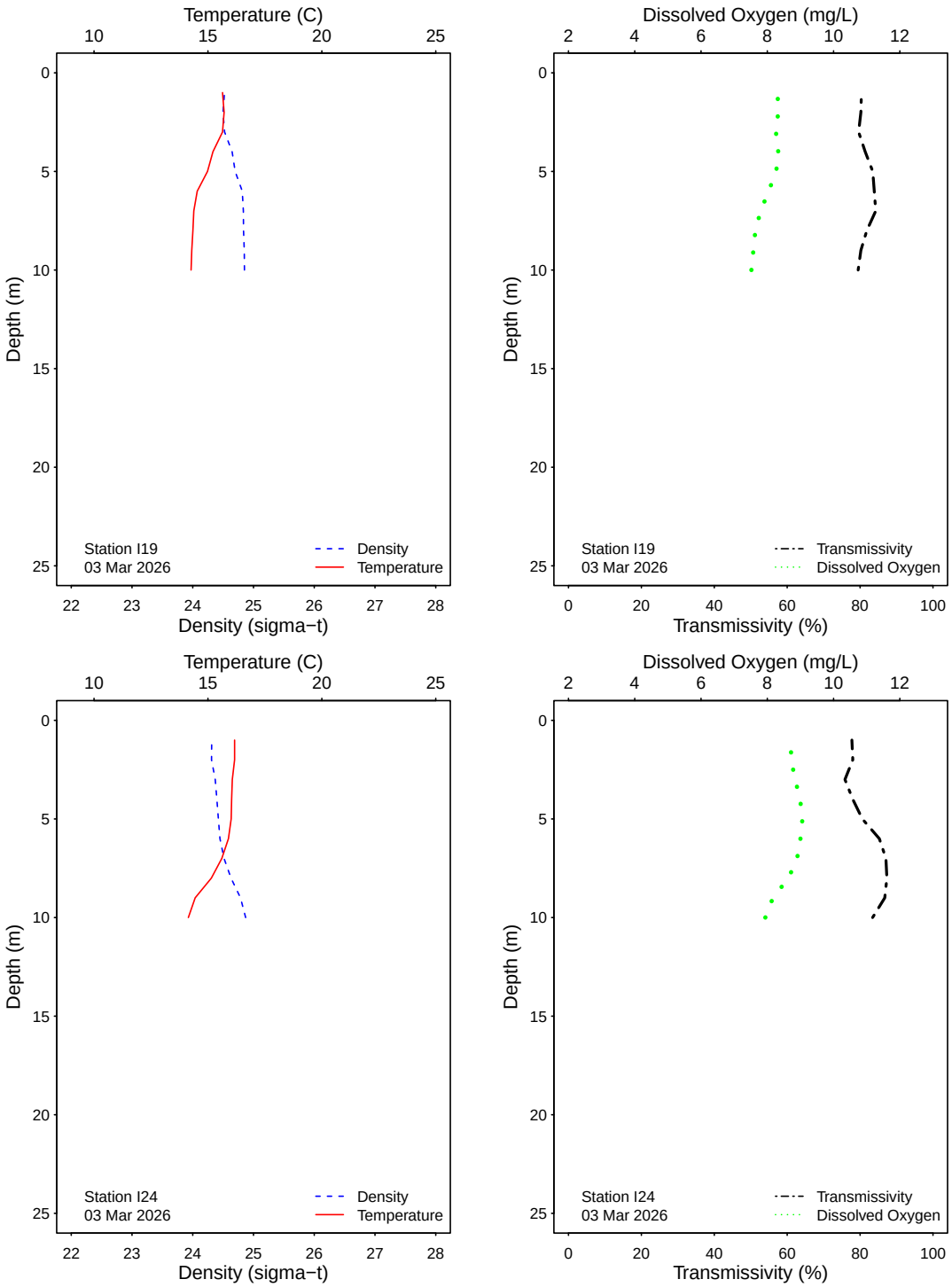

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

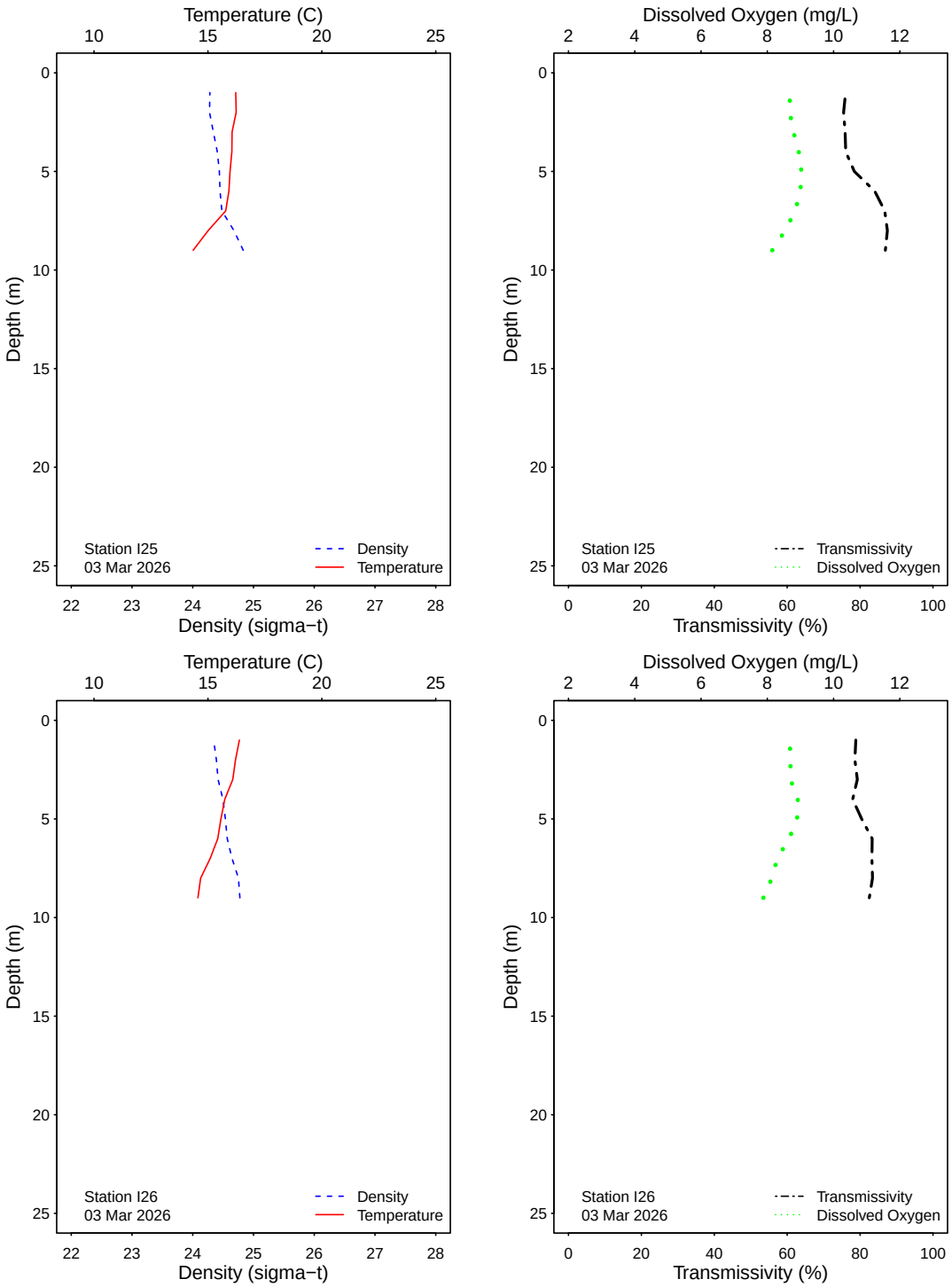

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

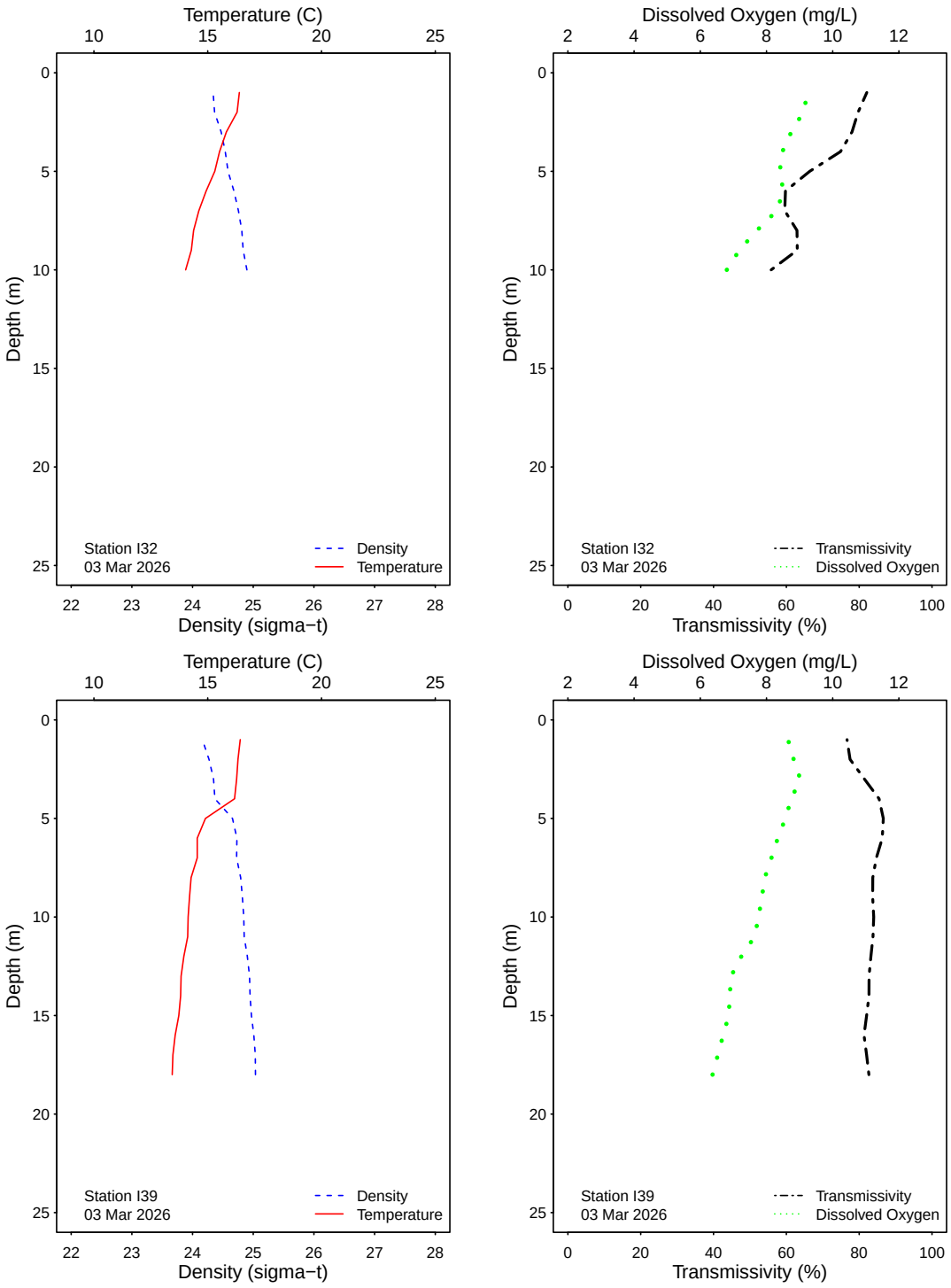

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

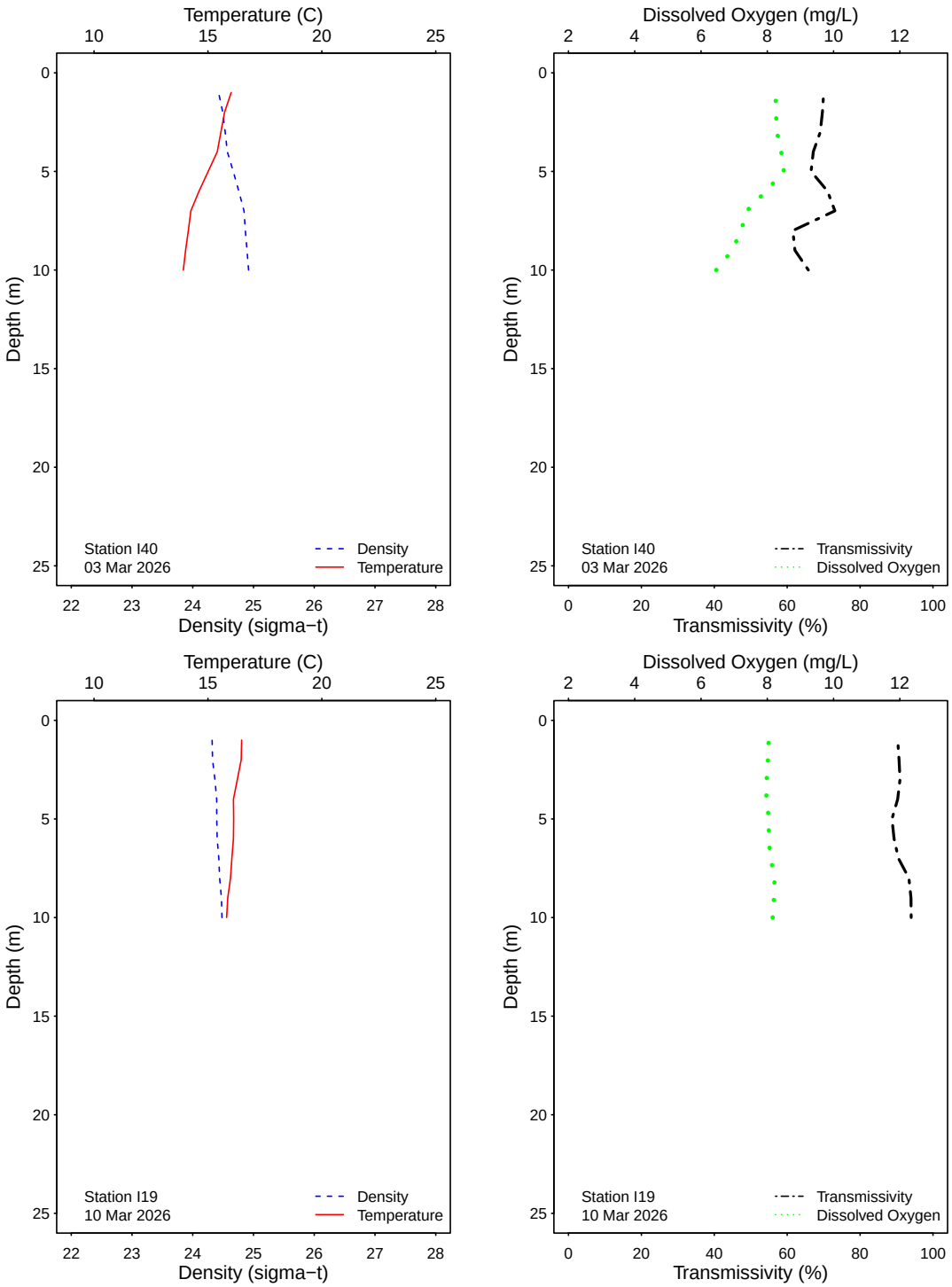

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

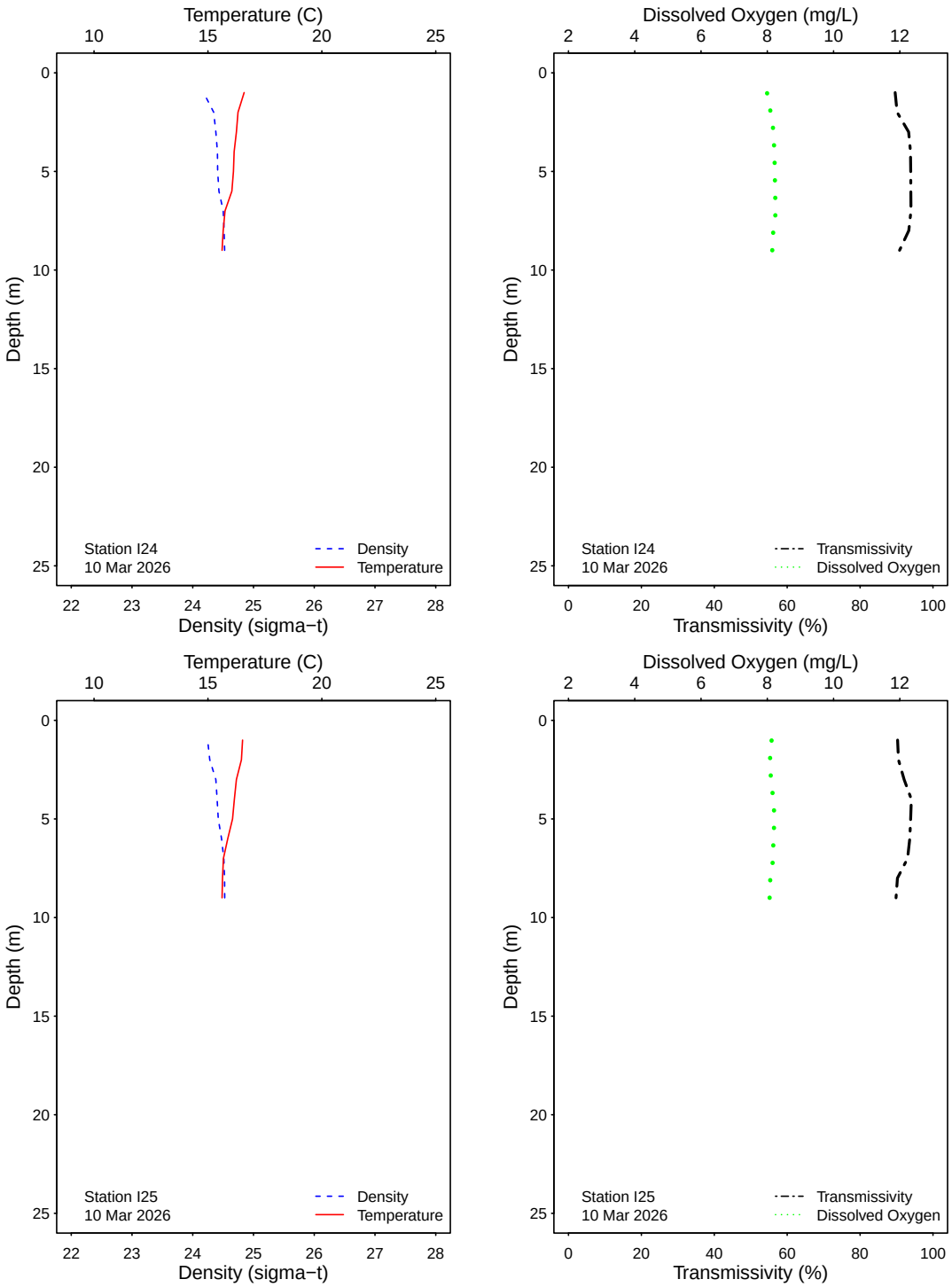

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

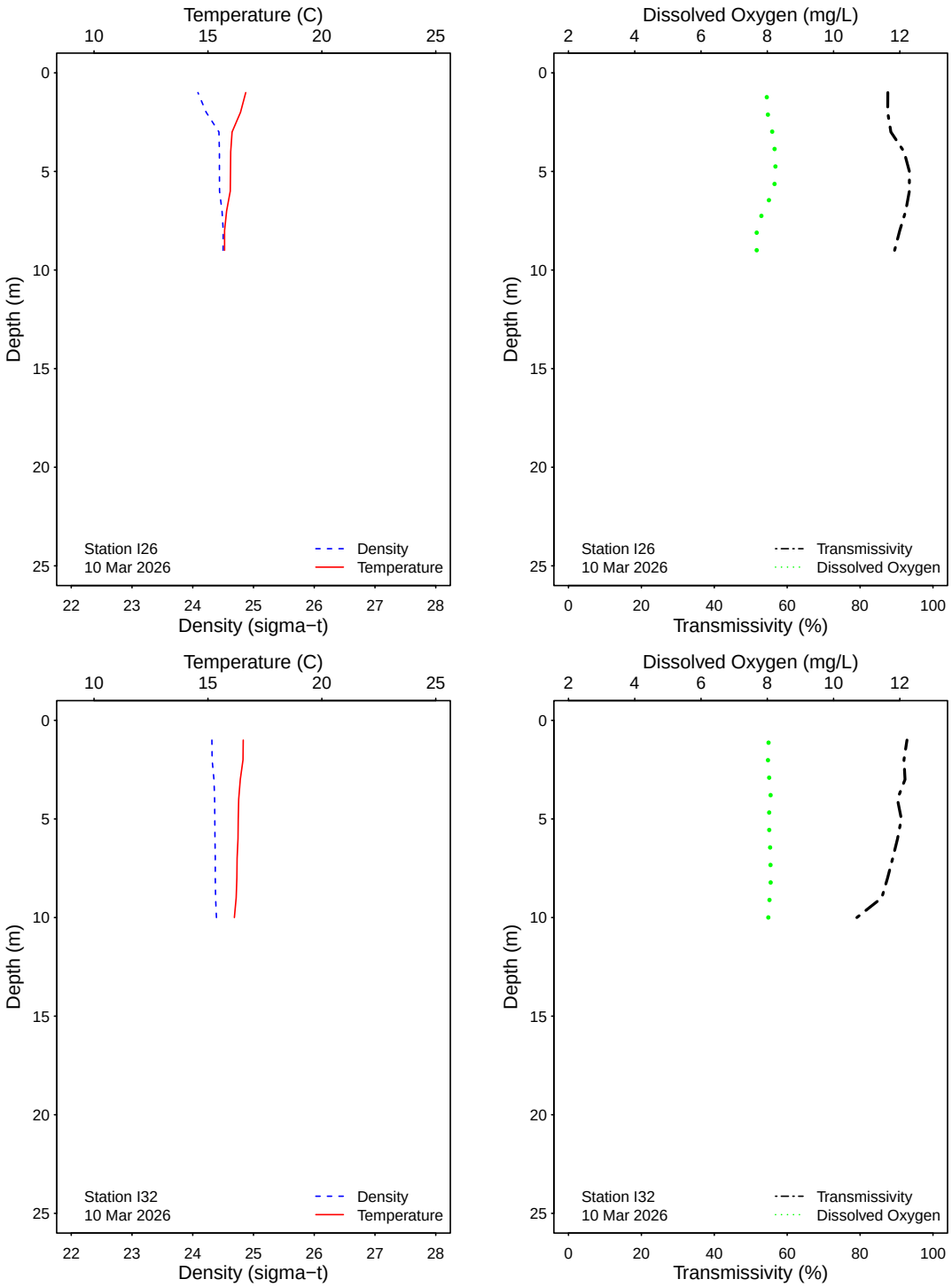

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

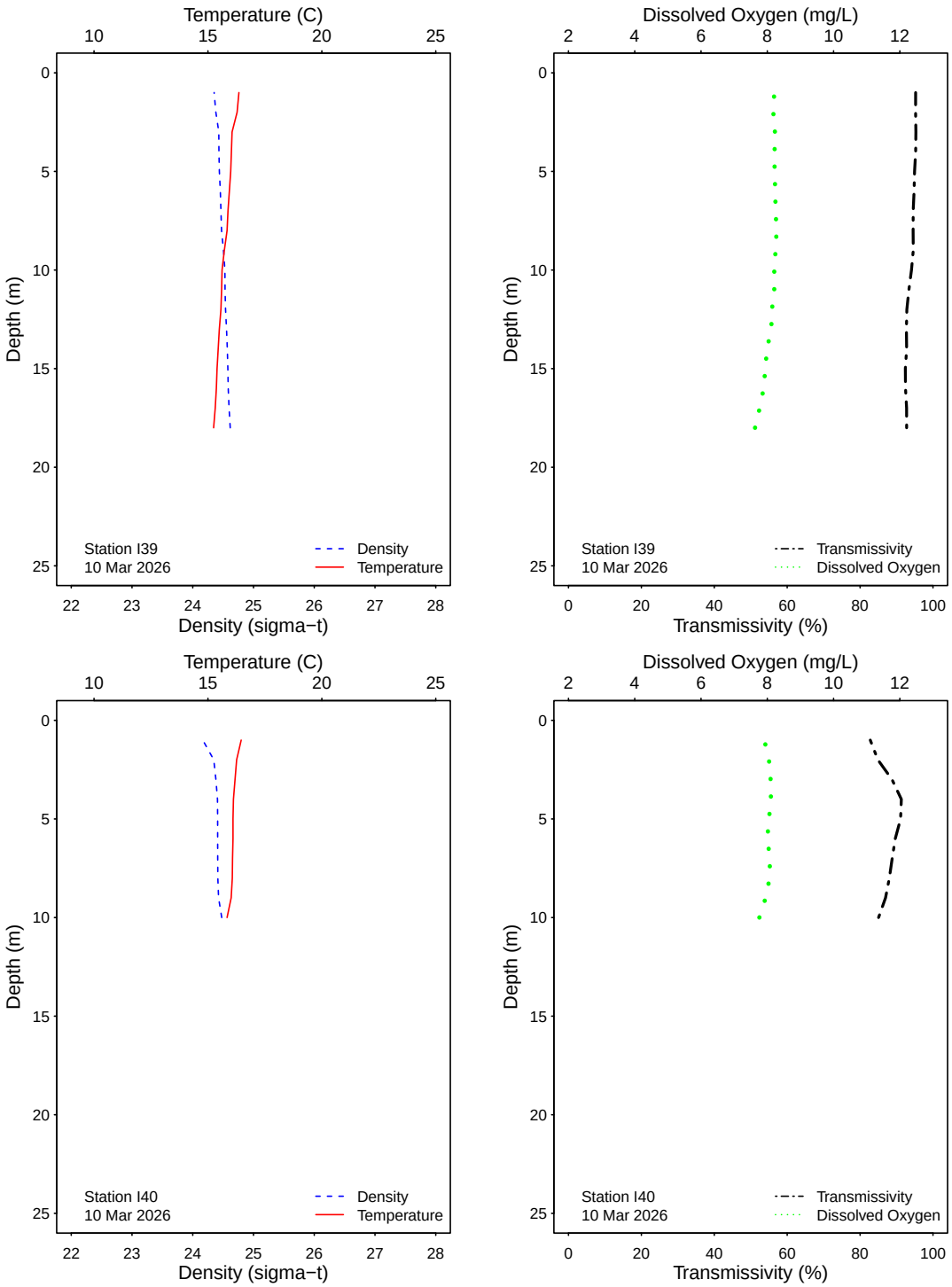

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

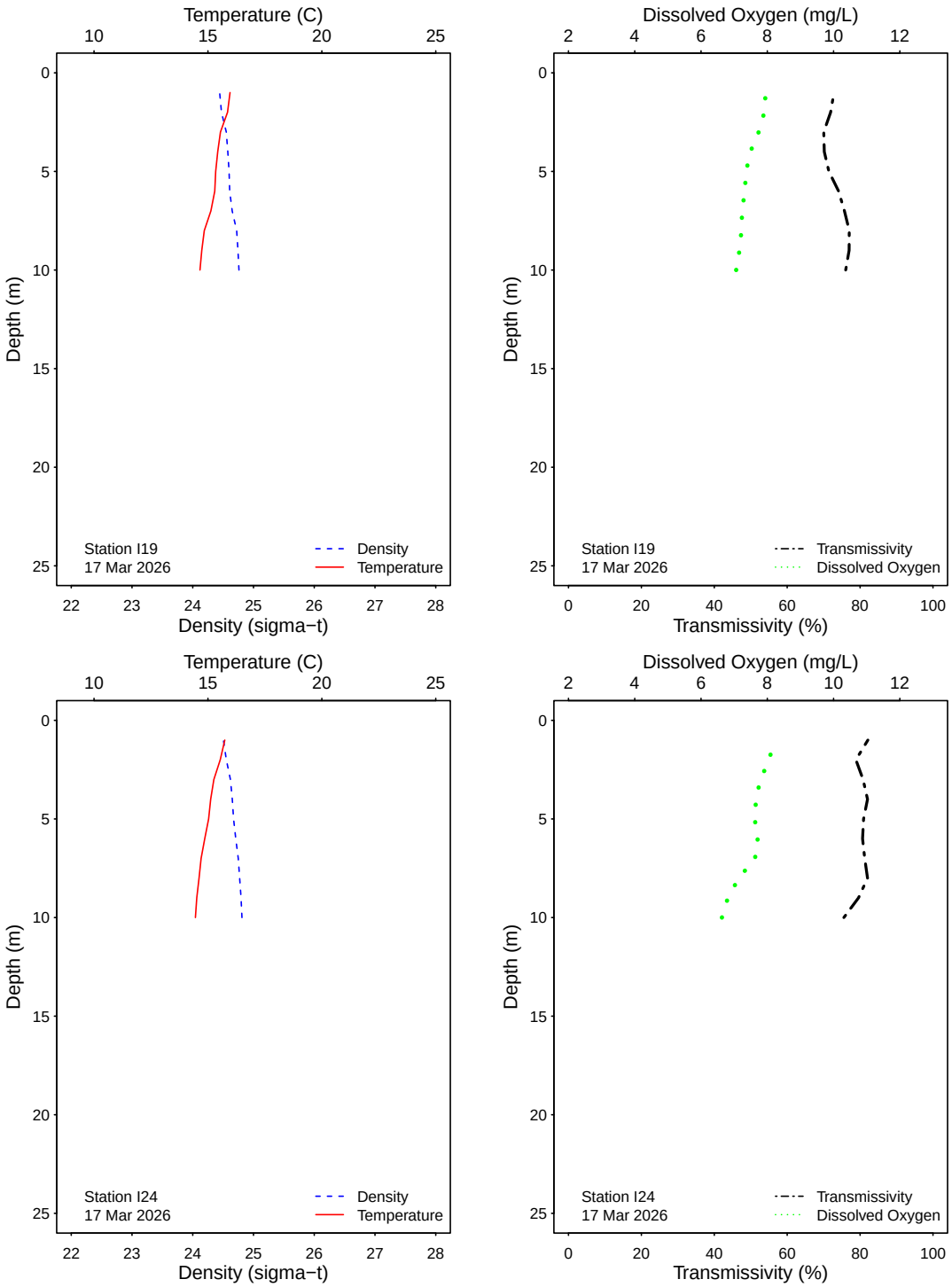

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

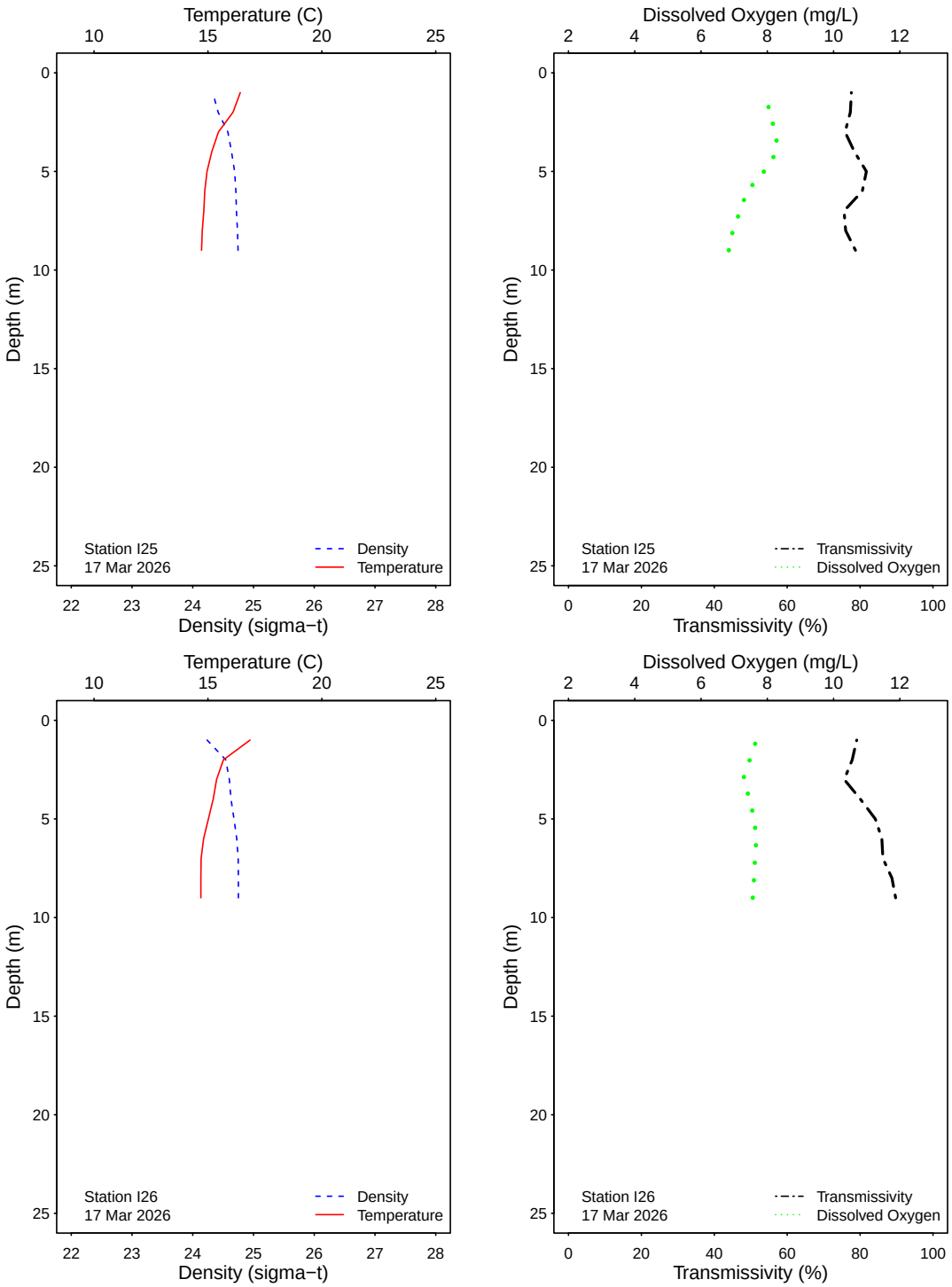

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

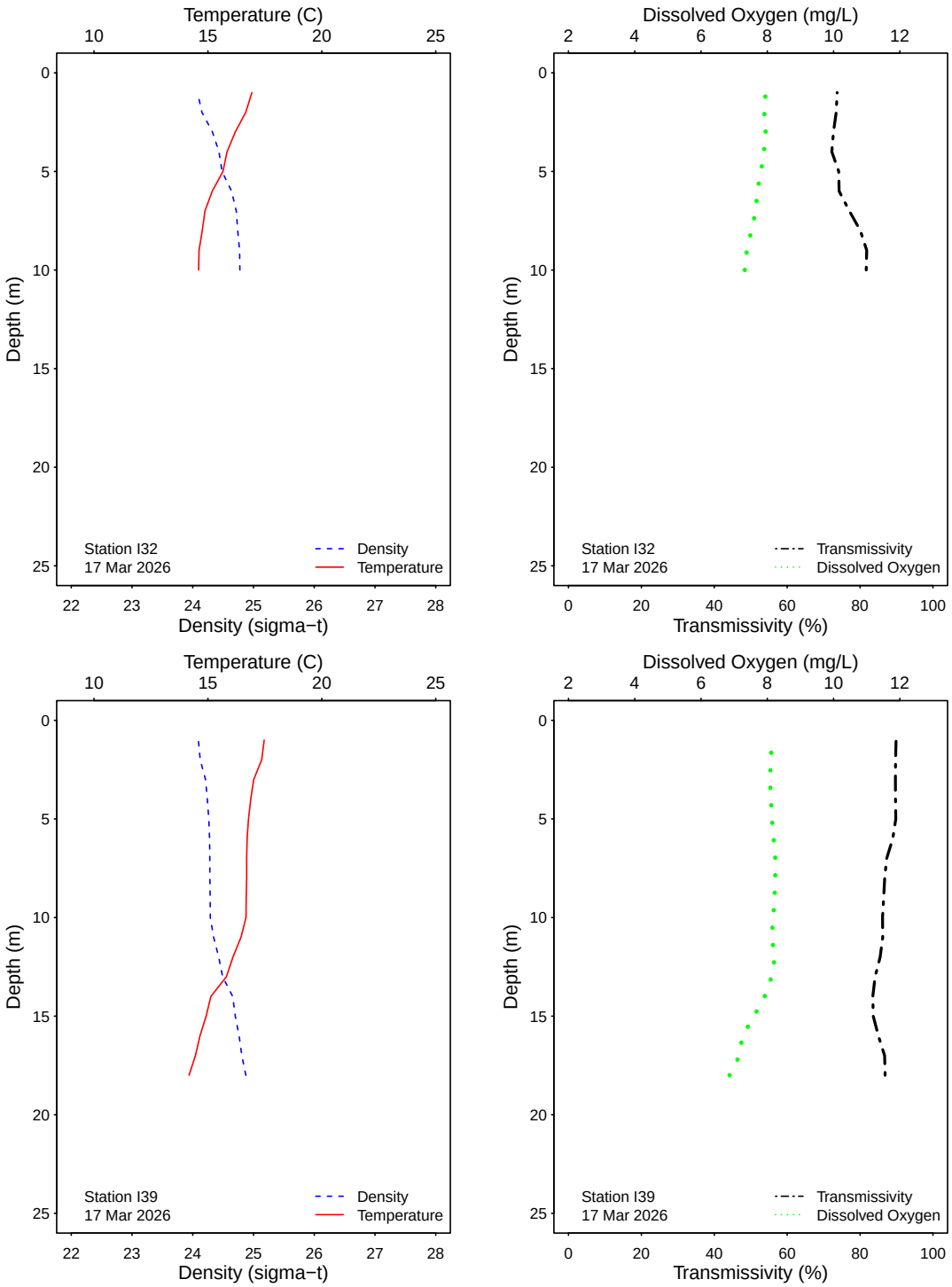

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

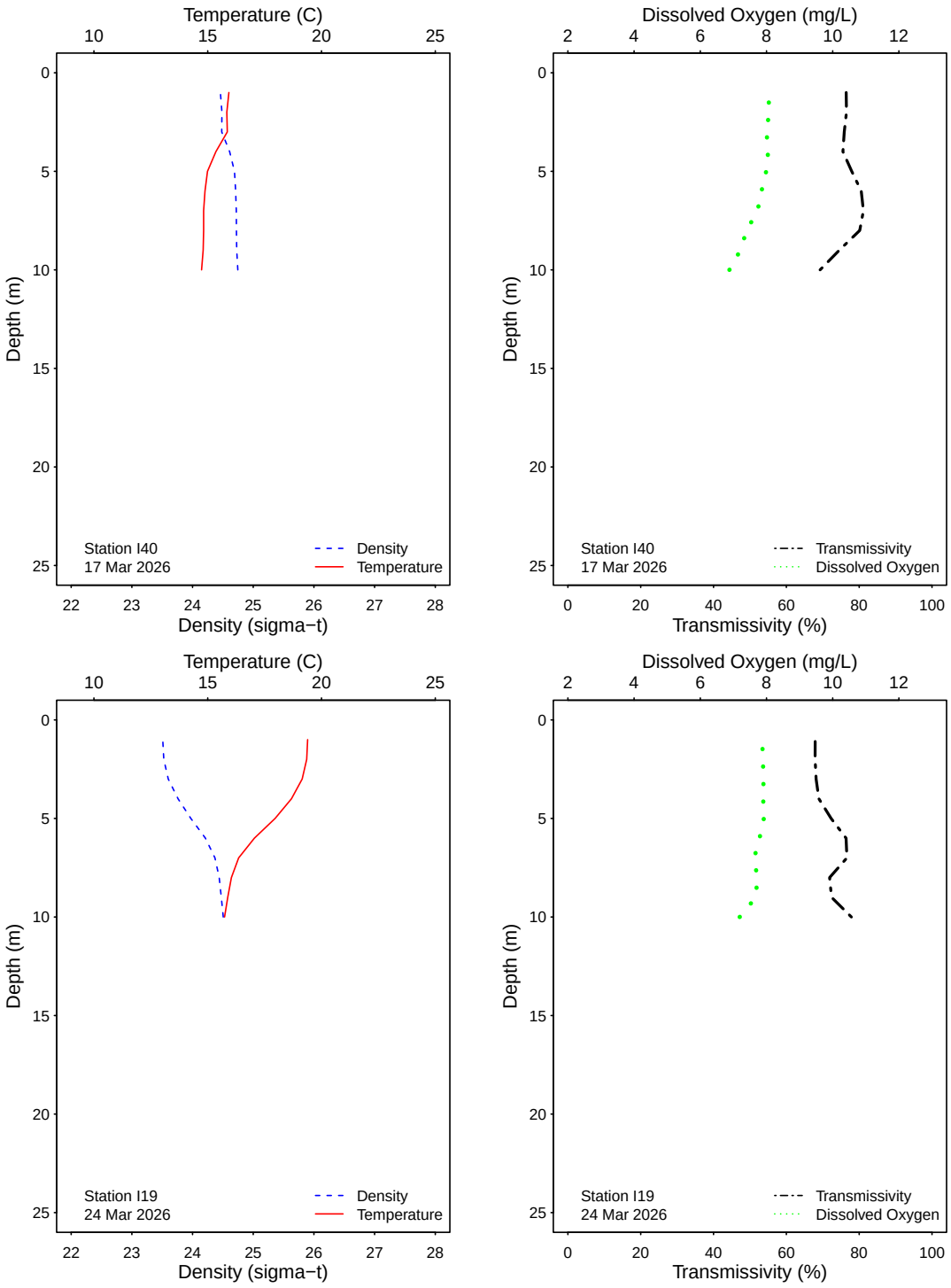

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

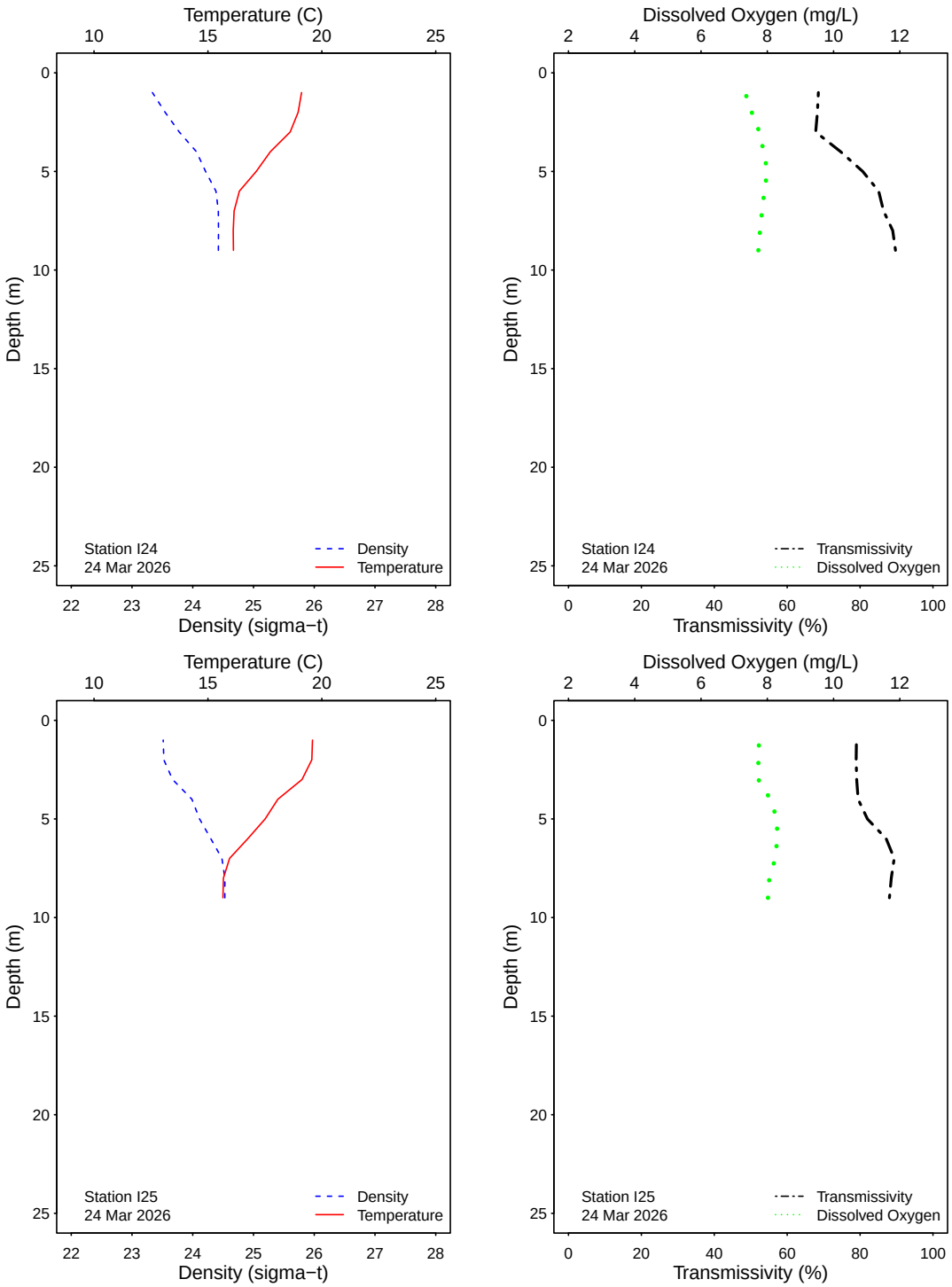

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

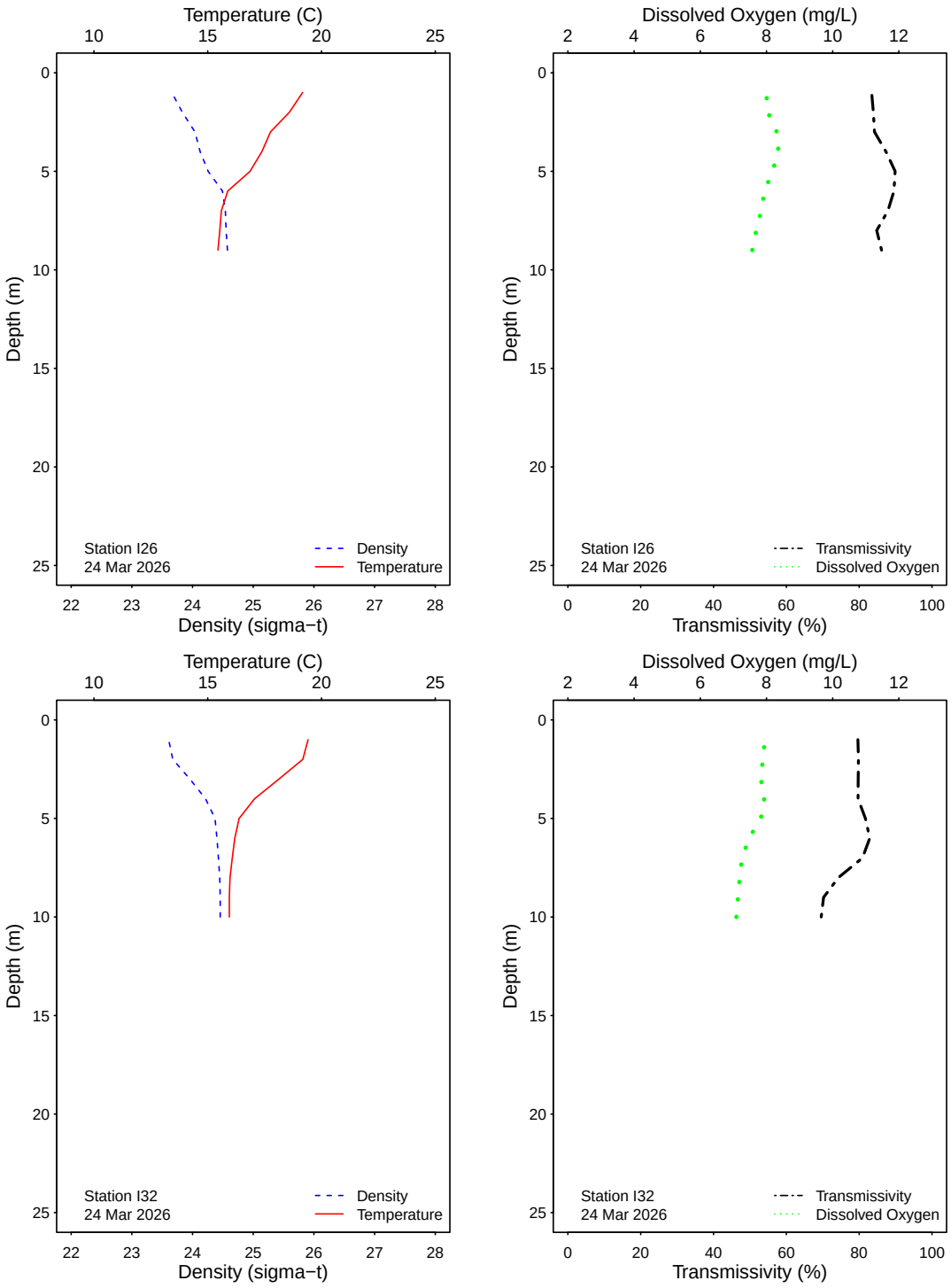

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

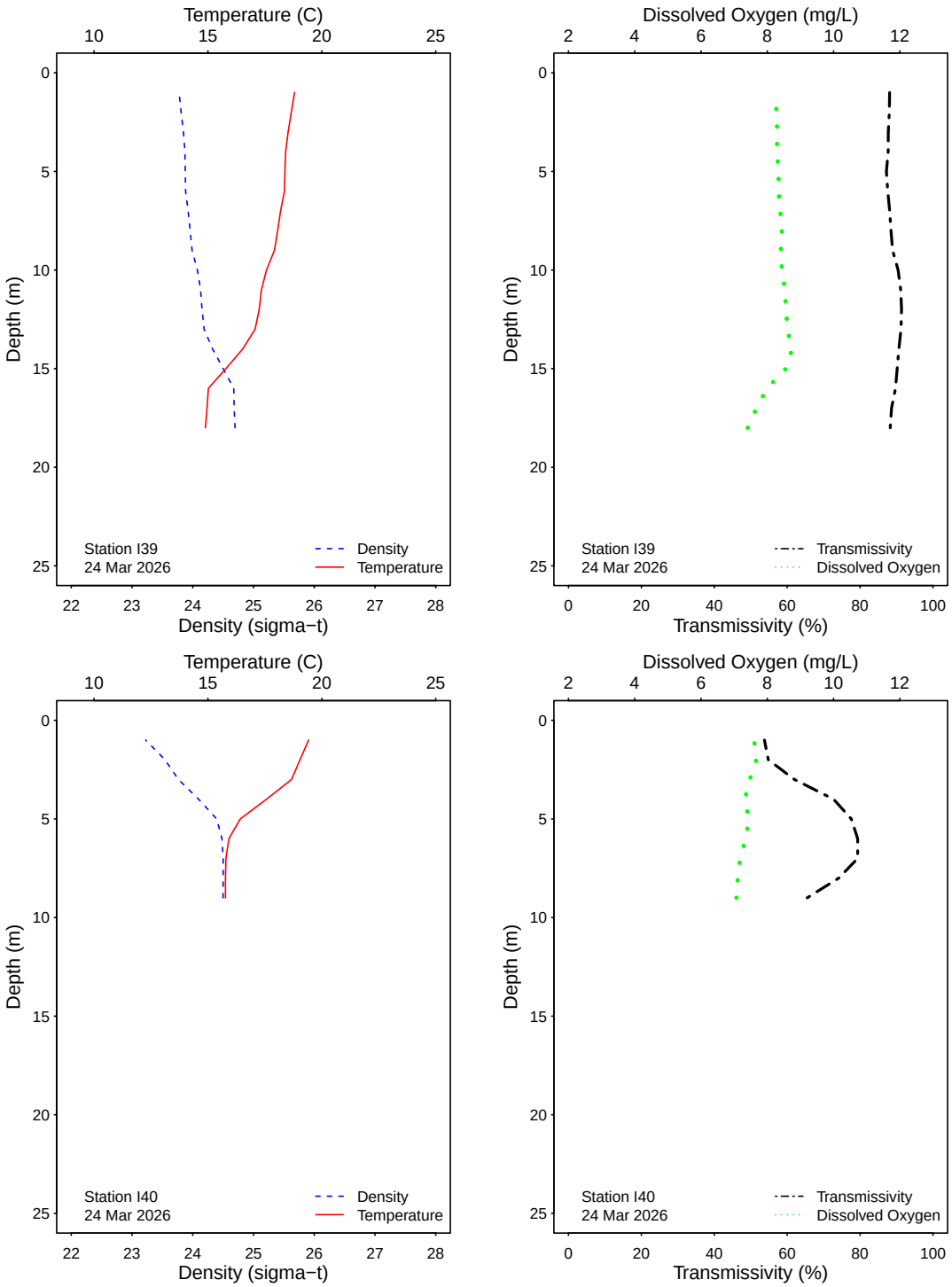

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

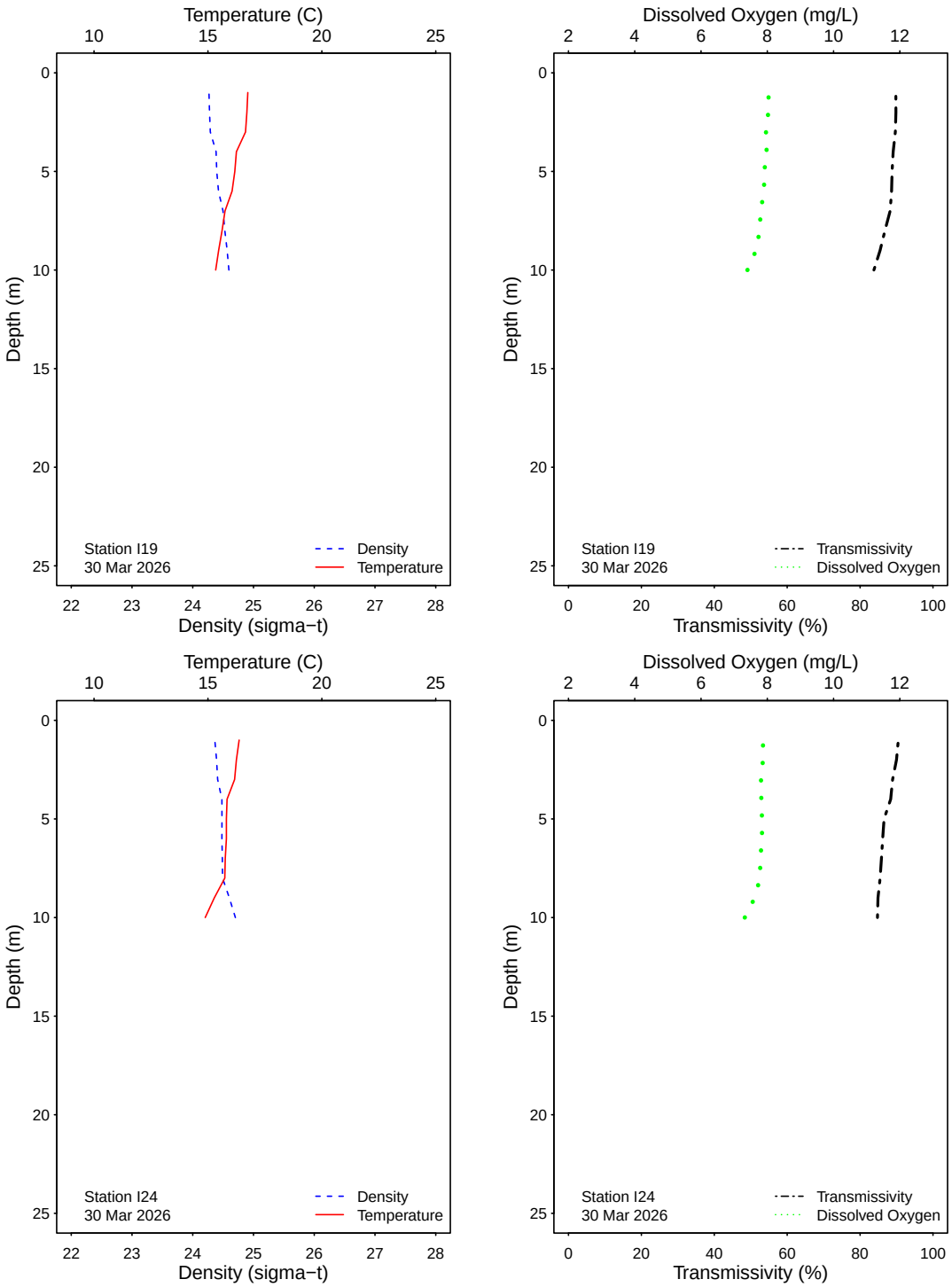

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

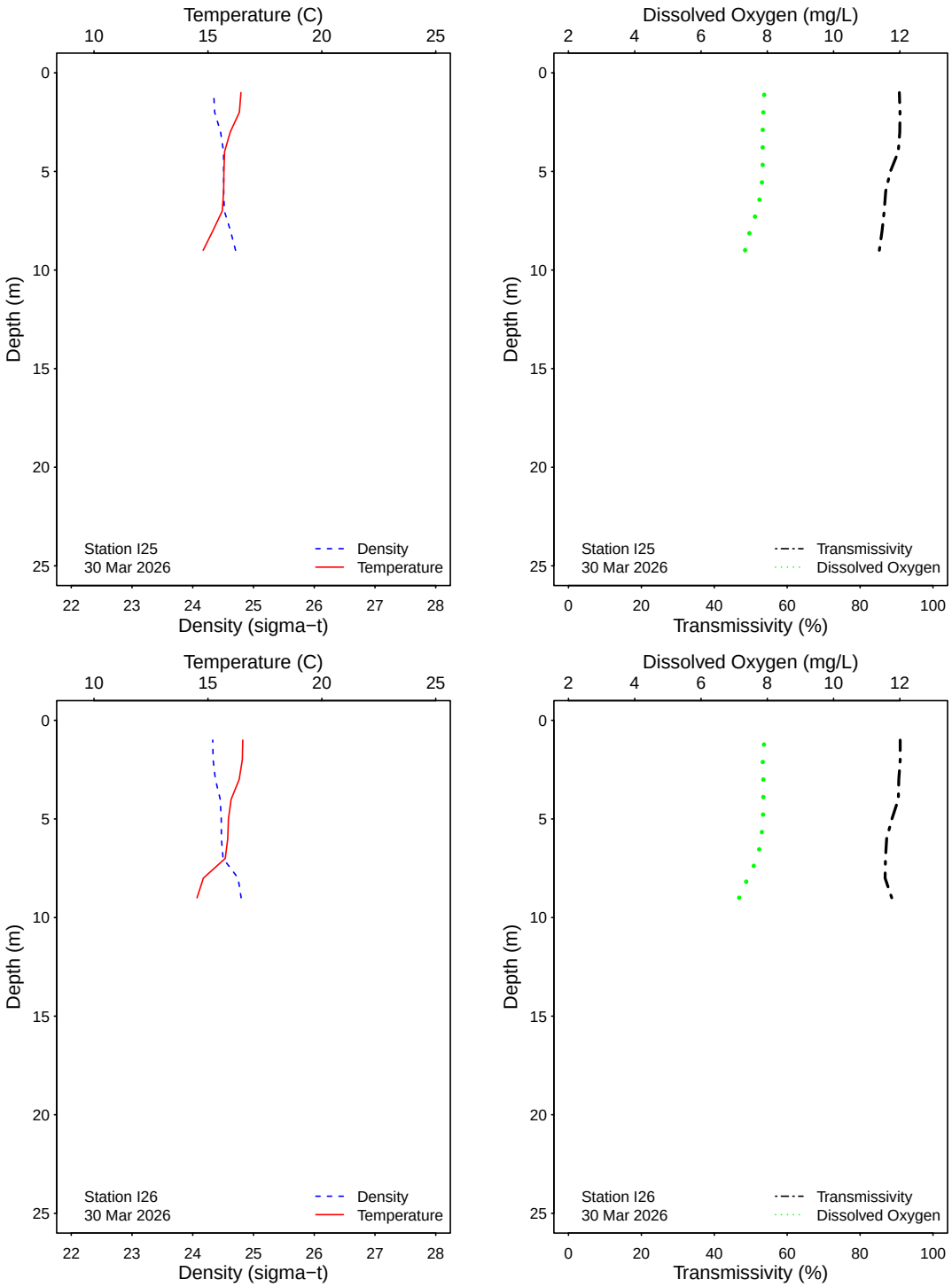

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

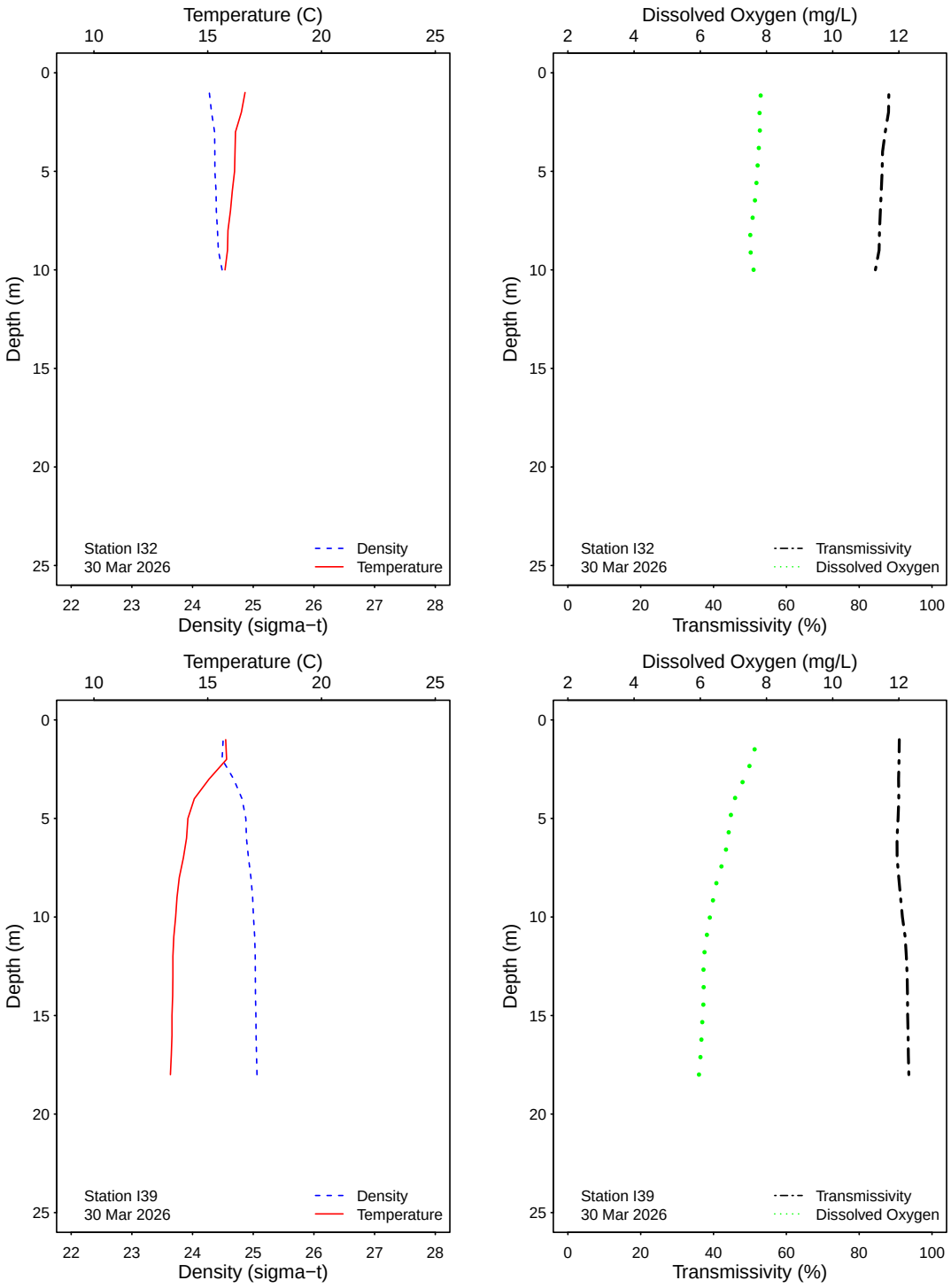

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

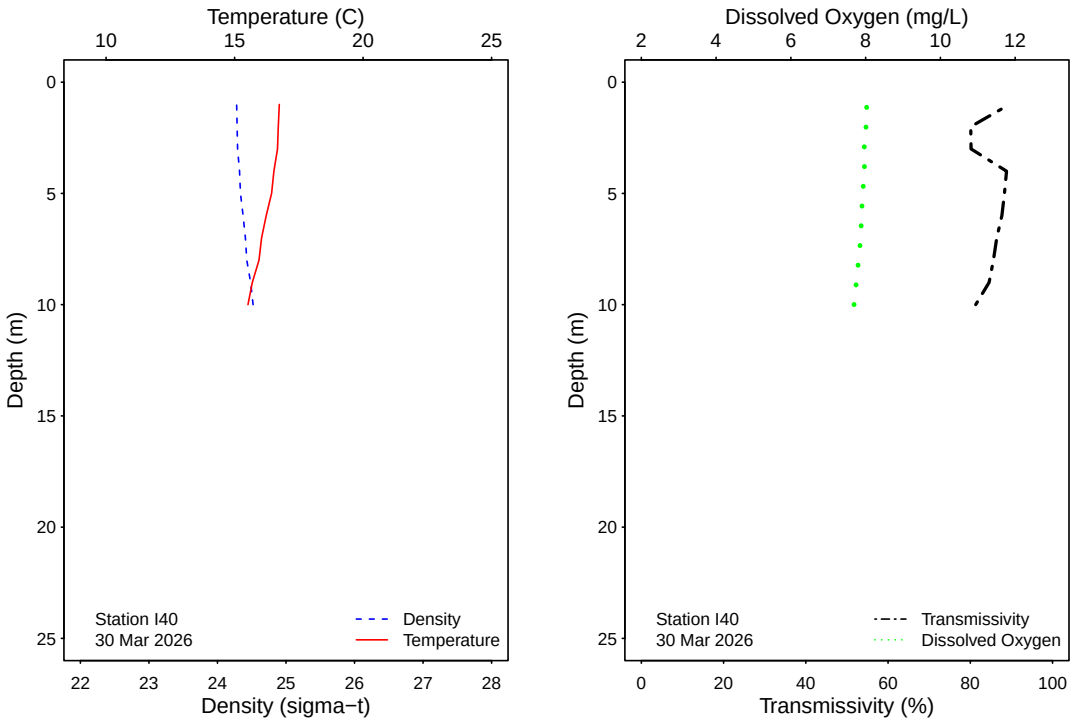

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

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
I19	03 Mar 2026	6	NCD	LAB DUPLICATE	12	2	2
I19	10 Mar 2026	6	ADG	LAB DUPLICATE	360	36	160
I19	17 Mar 2026	6	KT	LAB DUPLICATE	18	2	2
I19	24 Mar 2026	6	NCD	LAB DUPLICATE	8	2	30
I19	30 Mar 2026	6	KT	LAB DUPLICATE	20	2	10
I40	03 Mar 2026	6	NCD	LAB DUPLICATE	80	20	20
I40	10 Mar 2026	6	ADG	LAB DUPLICATE	240	28	66
I40	17 Mar 2026	6	KT	LAB DUPLICATE	12	2	2
I40	24 Mar 2026	6	NCD	LAB DUPLICATE	14	2	6
I40	30 Mar 2026	6	KT	LAB DUPLICATE	14	2	26
S12	03 Mar 2026		NCD	FIELD DUPLICATE	60	6	2
S12	03 Mar 2026		NCD	LAB DUPLICATE	20	2	6
S12	10 Mar 2026		SS	FIELD DUPLICATE	260	6	12
S12	10 Mar 2026		SS	LAB DUPLICATE	260	6	2
S12	12 Mar 2026		JF	FIELD DUPLICATE	ns	820	ns
S12	12 Mar 2026		JF	LAB DUPLICATE	ns	920	ns
S12	17 Mar 2026		NCD	FIELD DUPLICATE	15000	3000	2600
S12	17 Mar 2026		NCD	LAB DUPLICATE	16000	3000	2800
S12	24 Mar 2026		NCD	FIELD DUPLICATE	260	58	480
S12	24 Mar 2026		NCD	LAB DUPLICATE	320	58	360

ns = not sampled
ND = no data

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