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

APRIL 2026

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

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

May 31, 2026

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

Attention: POTW Compliance Unit

Dear Mr. Gibson:

Enclosed is the April 2026 Monthly Receiving Waters Monitoring Report for the 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 April**,** 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, S6, S11, and S12.
    - The single sample maximum (SSM) standard for fecal coliforms was exceeded at stations S5, S6, 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, S8, 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 April.
    - 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 April 6, 14, 21, and 28.
    - During April, four of the seven kelp bed stations were out of compliance with the 2019 Ocean Plan water contact standards on one or more days as follows:
        - The 6-week running geometric mean standard for *Enterococcus* was exceeded at stations I19, I24, I32, and I40.
        - The STV standard for *Enterococcus* was exceeded at station I32.
        - The 30-day running median standard for total coliforms was exceeded at stations I24, I32, and I40.
        - The STV standard for total coliforms was exceeded at stations I19 and I32.
    - Water column temperatures ranged from 12.30 to 18.50°C. The difference between surface and bottom waters ranged from 1.34 to 5.21°C.
    - Concentrations of chlorophyll *a* ranged from 0.20 to 21.04 µg/L at the kelp bed stations.
    - A sewage-like odor was detected at SBOO kelp station I32 on one or more days in April.

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

TABLES AND FIGURES

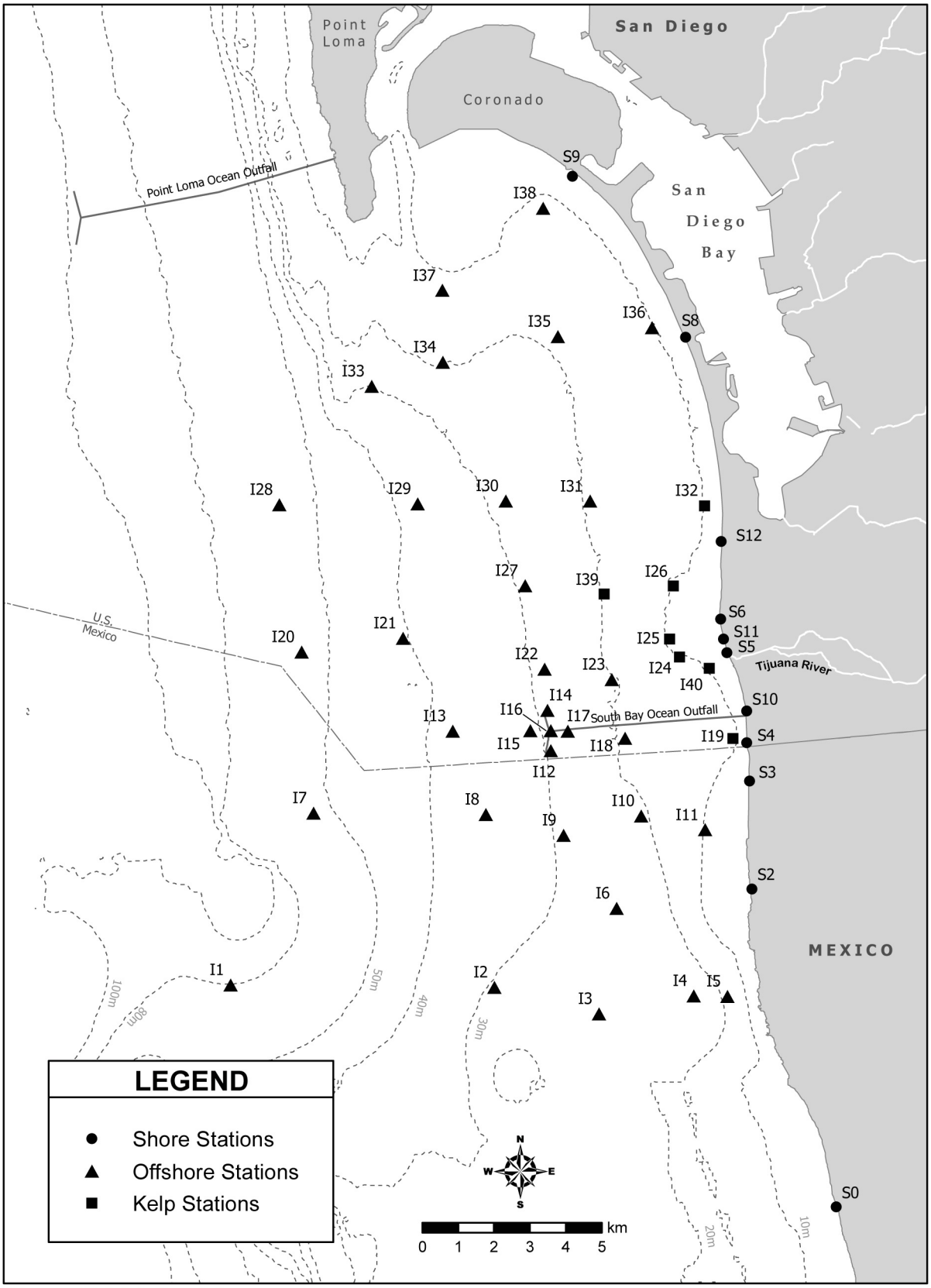

Figure 1.1 Station Map

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Shore Stations

Table 2.1

Summary of compliance with the Ocean Plan's 30-day Geometric Mean standard for fecal coliform bacteria at the 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 Apr 2026	15	**3893**	176	8	5	81	196	**240**
02 Apr 2026	13	**3109**	**272**	11	6	34	**394**	**475**
03 Apr 2026	13	**3109**	**272**	11	6	34	**394**	**475**
04 Apr 2026	13	**3109**	**272**	11	6	34	**394**	**475**
05 Apr 2026	13	**3109**	**272**	11	6	34	**394**	**475**
06 Apr 2026	13	**3109**	**272**	11	6	34	**394**	**475**
07 Apr 2026	17	**3893**	135	18	7	36	**539**	191
08 Apr 2026	17	**3893**	135	18	7	36	**539**	191
09 Apr 2026	15	**3893**	**455**	24	8	20	**1395**	**233**
10 Apr 2026	15	**3893**	**455**	24	8	20	**1395**	**233**
11 Apr 2026	20	**3109**	**237**	29	8	9	**907**	180
12 Apr 2026	20	**3109**	**237**	29	8	9	**907**	180
13 Apr 2026	20	**3109**	**237**	29	8	9	**907**	180
14 Apr 2026	18	**3893**	107	19	7	10	**463**	115
15 Apr 2026	18	**3893**	107	19	7	10	**463**	115
16 Apr 2026	17	**6138**	126	12	8	9	**867**	56
17 Apr 2026	17	**6138**	126	12	8	9	**867**	56
18 Apr 2026	17	**6138**	126	12	8	9	**867**	56
19 Apr 2026	17	**6138**	126	12	8	9	**867**	56
20 Apr 2026	17	**6138**	126	12	8	9	**867**	56
21 Apr 2026	14	**6863**	184	11	8	7	**1344**	47
22 Apr 2026	14	**6863**	184	11	8	7	**1344**	47
23 Apr 2026	16	**6138**	137	15	9	6	**867**	44
24 Apr 2026	16	**6138**	137	15	9	6	**867**	44
25 Apr 2026	16	**6138**	137	15	9	6	**867**	44
26 Apr 2026	16	**6138**	137	15	9	6	**867**	44
27 Apr 2026	16	**6138**	137	15	9	6	**867**	44
28 Apr 2026	23	**6764**	68	11	9	12	**315**	26
29 Apr 2026	23	**6764**	68	11	9	12	**315**	26
30 Apr 2026	23	**6764**	68	11	9	12	**315**	26

* Geometric mean calculated using n<5

Table 2.2

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

Date	S4	S5	S6	S8	S9	S10	S11	S12
01 Apr 2026	IC	**E**	**E**	IC	IC	IC	IC	**E**
07 Apr 2026	IC	**E**	IC	IC	IC	IC	**E**	IC
09 Apr 2026	IC	**E**	**E**	IC	IC	IC	**E**	IC
14 Apr 2026	IC	**E**	IC	IC	IC	IC	IC	IC
21 Apr 2026	IC	**E**	**E**	IC	IC	IC	**E**	IC
28 Apr 2026	IC	**E**	IC	IC	IC	IC	IC	IC

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

Table 2.3

Summary of compliance with the Ocean Plan's 6-week Geometric Mean standard for *Enterococcus* at the 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 Apr 2026	**54**	**4370**	**75**	18	4	**121**	**131**	**112**
02 Apr 2026	**54**	**4370**	**75**	18	4	**121**	**131**	**112**
03 Apr 2026	**54**	**4370**	**75**	18	4	**121**	**131**	**112**
04 Apr 2026	**54**	**4370**	**75**	18	4	**121**	**131**	**112**
05 Apr 2026	**54**	**4370**	**75**	18	4	**121**	**131**	**112**
06 Apr 2026	**54**	**4370**	**75**	18	4	**121**	**131**	**112**
07 Apr 2026	**52**	**4370**	**79**	**40**	4	**118**	**343**	**171**
08 Apr 2026	**52**	**4370**	**79**	**40**	4	**118**	**343**	**171**
09 Apr 2026	**52**	**4370**	**79**	**40**	4	**118**	**343**	**171**
10 Apr 2026	**52**	**4370**	**79**	**40**	4	**118**	**343**	**171**
11 Apr 2026	**52**	**4370**	**79**	**40**	4	**118**	**343**	**171**
12 Apr 2026	**52**	**4370**	**79**	**40**	4	**118**	**343**	**171**
13 Apr 2026	**52**	**4370**	**79**	**40**	4	**118**	**343**	**171**
14 Apr 2026	**52**	**4370**	**56**	**36**	4	**56**	**367**	**130**
15 Apr 2026	**52**	**4370**	**56**	**36**	4	**56**	**367**	**130**
16 Apr 2026	**52**	**4370**	**56**	**36**	4	**56**	**367**	**130**
17 Apr 2026	**52**	**4370**	**56**	**36**	4	**56**	**367**	**130**
18 Apr 2026	**52**	**4370**	**56**	**36**	4	**56**	**367**	**130**
19 Apr 2026	**52**	**4370**	**56**	**36**	4	**56**	**367**	**130**
20 Apr 2026	**52**	**4370**	**56**	**36**	4	**56**	**367**	**130**
21 Apr 2026	21	**4370**	**156**	**52**	5	23	**942**	**245**
22 Apr 2026	21	**4370**	**156**	**52**	5	23	**942**	**245**
23 Apr 2026	21	**4370**	**156**	**52**	5	23	**942**	**245**
24 Apr 2026	21	**4370**	**156**	**52**	5	23	**942**	**245**
25 Apr 2026	21	**4370**	**156**	**52**	5	23	**942**	**245**
26 Apr 2026	21	**4370**	**156**	**52**	5	23	**942**	**245**
27 Apr 2026	21	**4370**	**156**	**52**	5	23	**942**	**245**
28 Apr 2026	20	**6252**	**93**	23	8	**32**	**523**	**84**
29 Apr 2026	20	**6252**	**93**	23	8	**32**	**523**	**84**
30 Apr 2026	20	**6252**	**93**	23	8	**32**	**523**	**84**

* 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
April	**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 Apr 2026	**80**	**16000**	**120**	8	10	**120**	**320**	**580**
02 Apr 2026	*58	***8500**	***490**	*64	*11	***90**	***510**	***7290**
03 Apr 2026	*58	***8500**	***490**	*64	*11	***90**	***510**	***7290**
04 Apr 2026	*58	***8500**	***490**	*64	*11	***90**	***510**	***7290**
05 Apr 2026	*58	***8500**	***490**	*64	*11	***90**	***510**	***7290**
06 Apr 2026	*58	***8500**	***490**	*64	*11	***90**	***510**	***7290**
07 Apr 2026	**80**	**16000**	**120**	**120**	12	**120**	**700**	**580**
08 Apr 2026	**80**	**16000**	**120**	**120**	12	**120**	**700**	**580**
09 Apr 2026	*58	***8500**	***490**	***390**	*15	***90**	***4950**	***7290**
10 Apr 2026	*58	***8500**	***490**	***390**	*15	***90**	***4950**	***7290**
11 Apr 2026	*58	***8500**	***490**	***390**	*15	***90**	***4950**	***7290**
12 Apr 2026	*58	***8500**	***490**	***390**	*15	***90**	***4950**	***7290**
13 Apr 2026	*58	***8500**	***490**	***390**	*15	***90**	***4950**	***7290**
14 Apr 2026	**80**	**16000**	**120**	**120**	20	**120**	**700**	**580**
15 Apr 2026	**80**	**16000**	**120**	**120**	20	**120**	**700**	**580**
16 Apr 2026	*58	***16000**	***440**	*70	*20	***90**	***4950**	***300**
17 Apr 2026	*58	***16000**	***440**	*70	*20	***90**	***4950**	***300**
18 Apr 2026	*58	***16000**	***440**	*70	*20	***90**	***4950**	***300**
19 Apr 2026	*58	***16000**	***440**	*70	*20	***90**	***4950**	***300**
20 Apr 2026	*58	***16000**	***440**	*70	*20	***90**	***4950**	***300**
21 Apr 2026	36	**16000**	**860**	20	20	60	**9200**	20
22 Apr 2026	36	**16000**	**860**	20	20	60	**9200**	20
23 Apr 2026	*50	***16000**	***440**	*70	*20	***71**	***4950**	*20
24 Apr 2026	*50	***16000**	***440**	*70	*20	***71**	***4950**	*20
25 Apr 2026	*50	***16000**	***440**	*70	*20	***71**	***4950**	*20
26 Apr 2026	*50	***16000**	***440**	*70	*20	***71**	***4950**	*20
27 Apr 2026	*50	***16000**	***440**	*70	*20	***71**	***4950**	*20
28 Apr 2026	**80**	**16000**	20	20	20	**120**	**700**	20
29 Apr 2026	**80**	**16000**	20	20	20	**120**	**700**	20
30 Apr 2026	**80**	**16000**	20	20	20	**120**	**700**	20

* 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
April	**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	01 Apr 2026	900	11000	6200	2400e
S0	07 Apr 2026	830	1200	360e	300e
S0	14 Apr 2026	735	2600e	420	660
S0	21 Apr 2026	810	900	180e	160e
S0	28 Apr 2026	725	>16000	7600	4200
S10	01 Apr 2026	1128	22e	2e	14e
S10	07 Apr 2026	919	320e	48	560
S10	09 Apr 2026	909		2e	
S10	14 Apr 2026	1155	120e	20e	34e
S10	21 Apr 2026	949	<20	2e	2e
S10	28 Apr 2026	1057	6000	340e	78
S11	01 Apr 2026	1025	700	82	760
S11	07 Apr 2026	903	9200	2600e	5200
S11	09 Apr 2026	819		>12000	
S11	14 Apr 2026	1049	140e	16e	18e
S11	21 Apr 2026	926	>16000	>12000	>12000
S11	28 Apr 2026	1003	<20	<2	<2
S12	01 Apr 2026	910	14000	7200	9000
S12	07 Apr 2026	941	<20	<2	76
S12	09 Apr 2026	856		46	
S12	14 Apr 2026	922	<20	12e	<2
S12	21 Apr 2026	1000	<20	<20	440
S12	28 Apr 2026	918	<2	<2	<2
S2	01 Apr 2026	928	2600e	600e	90
S2	07 Apr 2026	935	18e	<2	<2
S2	14 Apr 2026	900	500	54	62
S2	21 Apr 2026	930	40e	4e	8e
S2	28 Apr 2026	925	160e	720	70
S3	01 Apr 2026	951	160e	24e	42
S3	07 Apr 2026	910	880	80	1800e
S3	14 Apr 2026	830	420	82	56
S3	21 Apr 2026	905	<20	2e	2e
S3	28 Apr 2026	905	5000	40	6e
S4	01 Apr 2026	1151	20e	20e	4e
S4	07 Apr 2026	942	80e	60e	460
S4	09 Apr 2026	935		18e	
S4	14 Apr 2026	1218	240e	12e	12e
S4	21 Apr 2026	1010	<20	4e	2e
S4	28 Apr 2026	1122	1000e	160e	16e
S5	01 Apr 2026	1005	640	420	2400e
S5	07 Apr 2026	839	>16000	>12000	>12000
S5	09 Apr 2026	758		>12000	
S5	14 Apr 2026	1031	>16000	>12000	>12000
S5	21 Apr 2026	905	>16000	>12000	>12000
S5	28 Apr 2026	941	>16000	11000	1200e
S6	01 Apr 2026	933	860	420	860
S6	07 Apr 2026	918	<20	4e	8e

Station	Date	Time	Total	Fecal	Entero
S6	09 Apr 2026	832		>12000	
S6	14 Apr 2026	1102	20e	2e	<2
S6	21 Apr 2026	936	8200	1200e	9800
S6	28 Apr 2026	1015	20e	2e	4e
S8	01 Apr 2026	841	120e	20e	82
S8	07 Apr 2026	818	660	240e	660
S8	09 Apr 2026	812		14e	
S8	14 Apr 2026	859	20e	<2	2e
S8	21 Apr 2026	901	<20	6e	54
S8	28 Apr 2026	853	2e	<2	2e
S9	01 Apr 2026	818	<20	<20	10e
S9	07 Apr 2026	753	<20	<20	6e
S9	09 Apr 2026	749		8e	
S9	14 Apr 2026	834	<20	2e	<2
S9	21 Apr 2026	836	80e	8e	16e
S9	28 Apr 2026	827	<20	8e	22e

ns = not sampled
ND = no data

Table 2.8

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

Station	Date	Parameter	Value
S0	01 Apr 2026	Arrive Time	900
S0	01 Apr 2026	Wind Speed (kts)	1
S0	01 Apr 2026	Wind Dir	SE
S0	01 Apr 2026	Animal Life	Bird-15;
S0	01 Apr 2026	Floatables	
S0	01 Apr 2026	Current Direction	S
S0	01 Apr 2026	Water Temp (C)	15
S0	01 Apr 2026	High Tide Time	924
S0	01 Apr 2026	Low Tide Time	332
S0	01 Apr 2026	Comments	Water clear; Trash-0; Kelp; Person/Walker/Jogger-5
S0	07 Apr 2026	Arrive Time	830
S0	07 Apr 2026	Wind Speed (kts)	1.1
S0	07 Apr 2026	Wind Dir	NE
S0	07 Apr 2026	Animal Life	Dog-3; Seagull-20;
S0	07 Apr 2026	Floatables	
S0	07 Apr 2026	Current Direction	S
S0	07 Apr 2026	Water Temp (C)	15
S0	07 Apr 2026	High Tide Time	1426
S0	07 Apr 2026	Low Tide Time	740
S0	07 Apr 2026	Comments	Water turbid; Trash-0; Kelp; 2.0 L/s water flowing from storm drain
S0	14 Apr 2026	Arrive Time	735
S0	14 Apr 2026	Wind Speed (kts)	1.1
S0	14 Apr 2026	Wind Dir	SE
S0	14 Apr 2026	Animal Life	Bird-20;
S0	14 Apr 2026	Floatables	
S0	14 Apr 2026	Current Direction	S
S0	14 Apr 2026	Water Temp (C)	13
S0	14 Apr 2026	High Tide Time	736
S0	14 Apr 2026	Low Tide Time	147
S0	14 Apr 2026	Comments	Water turbid; Trash-0; Kelp; 2.0 L/S water flowing from storm drain
S0	21 Apr 2026	Arrive Time	910
S0	21 Apr 2026	Wind Speed (kts)	1.6
S0	21 Apr 2026	Wind Dir	N
S0	21 Apr 2026	Animal Life	Bird-20; Dog-2;
S0	21 Apr 2026	Floatables	
S0	21 Apr 2026	Current Direction	N
S0	21 Apr 2026	Water Temp (C)	14
S0	21 Apr 2026	High Tide Time	1404
S0	21 Apr 2026	Low Tide Time	724
S0	21 Apr 2026	Comments	Water turbid; Trash-0; Kelp; 2.0 L/s water flowing from storm drain
S0	28 Apr 2026	Arrive Time	725
S0	28 Apr 2026	Wind Speed (kts)	1.2
S0	28 Apr 2026	Wind Dir	NE
S0	28 Apr 2026	Animal Life	Dog-1; Seagull-20;
S0	28 Apr 2026	Floatables	
S0	28 Apr 2026	Current Direction	S
S0	28 Apr 2026	Water Temp (C)	13
S0	28 Apr 2026	High Tide Time	754
S0	28 Apr 2026	Low Tide Time	209

Station	Date	Parameter	Value
S0	28 Apr 2026	Comments	Water turbid; Trash-0; Kelp; 2.0 L/s water flowing from storm drain
S2	01 Apr 2026	Arrive Time	928
S2	01 Apr 2026	Wind Speed (kts)	1
S2	01 Apr 2026	Wind Dir	E
S2	01 Apr 2026	Animal Life	Bird-20; Dog-5;
S2	01 Apr 2026	Floatables	
S2	01 Apr 2026	Current Direction	S
S2	01 Apr 2026	Water Temp (C)	16
S2	01 Apr 2026	High Tide Time	924
S2	01 Apr 2026	Low Tide Time	332
S2	01 Apr 2026	Comments	Water clear; Trash-0; Kelp; Person/Walker/Jogger-15; No flow from storm drain
S2	07 Apr 2026	Arrive Time	935
S2	07 Apr 2026	Wind Speed (kts)	0.9
S2	07 Apr 2026	Wind Dir	NE
S2	07 Apr 2026	Animal Life	Bird-20; Dog-1;
S2	07 Apr 2026	Floatables	
S2	07 Apr 2026	Current Direction	S
S2	07 Apr 2026	Water Temp (C)	15
S2	07 Apr 2026	High Tide Time	1426
S2	07 Apr 2026	Low Tide Time	740
S2	07 Apr 2026	Comments	Water clear; Trash-0; Person/Walker/Jogger-20; No flow from storm drain
S2	14 Apr 2026	Arrive Time	900
S2	14 Apr 2026	Wind Speed (kts)	1.3
S2	14 Apr 2026	Wind Dir	SE
S2	14 Apr 2026	Animal Life	Bird-20; Dog-5;
S2	14 Apr 2026	Floatables	
S2	14 Apr 2026	Current Direction	S
S2	14 Apr 2026	Water Temp (C)	14
S2	14 Apr 2026	High Tide Time	736
S2	14 Apr 2026	Low Tide Time	147
S2	14 Apr 2026	Comments	Water turbid; Trash-0; Kelp; No flow from storm drain
S2	21 Apr 2026	Arrive Time	930
S2	21 Apr 2026	Wind Speed (kts)	1.1
S2	21 Apr 2026	Wind Dir	N
S2	21 Apr 2026	Animal Life	Bird-20; Dog-5;
S2	21 Apr 2026	Floatables	
S2	21 Apr 2026	Current Direction	N
S2	21 Apr 2026	Water Temp (C)	14
S2	21 Apr 2026	High Tide Time	1404
S2	21 Apr 2026	Low Tide Time	724
S2	21 Apr 2026	Comments	Water turbid; Fisherperson-2; Trash-0; Kelp; No flow from storm drain
S2	28 Apr 2026	Arrive Time	925
S2	28 Apr 2026	Wind Speed (kts)	1.6
S2	28 Apr 2026	Wind Dir	NE
S2	28 Apr 2026	Animal Life	Seagull-20;
S2	28 Apr 2026	Floatables	
S2	28 Apr 2026	Current Direction	S
S2	28 Apr 2026	Water Temp (C)	14
S2	28 Apr 2026	High Tide Time	754
S2	28 Apr 2026	Low Tide Time	209
S2	28 Apr 2026	Comments	Water turbid; Trash-0; Kelp; No flow from storm drain

Station	Date	Parameter	Value
S3	01 Apr 2026	Arrive Time	951
S3	01 Apr 2026	Wind Speed (kts)	0.8
S3	01 Apr 2026	Wind Dir	E
S3	01 Apr 2026	Animal Life	Bird-15;
S3	01 Apr 2026	Floatables	
S3	01 Apr 2026	Current Direction	S
S3	01 Apr 2026	Water Temp (C)	16
S3	01 Apr 2026	High Tide Time	924
S3	01 Apr 2026	Low Tide Time	332
S3	01 Apr 2026	Comments	Water clear; Trash-0; Kelp; Person/Walker/Jogger-5; No flow from storm drain.
S3	07 Apr 2026	Arrive Time	910
S3	07 Apr 2026	Wind Speed (kts)	1.3
S3	07 Apr 2026	Wind Dir	NE
S3	07 Apr 2026	Animal Life	Bird-20; Dog-2;
S3	07 Apr 2026	Floatables	
S3	07 Apr 2026	Current Direction	S
S3	07 Apr 2026	Water Temp (C)	15
S3	07 Apr 2026	High Tide Time	1426
S3	07 Apr 2026	Low Tide Time	740
S3	07 Apr 2026	Comments	Water turbid; Trash-0; Kelp; Person/Walker/Jogger-20; No flow from storm drain
S3	14 Apr 2026	Arrive Time	830
S3	14 Apr 2026	Wind Speed (kts)	2.1
S3	14 Apr 2026	Wind Dir	SE
S3	14 Apr 2026	Animal Life	Seagull-20;
S3	14 Apr 2026	Floatables	
S3	14 Apr 2026	Current Direction	S
S3	14 Apr 2026	Water Temp (C)	13
S3	14 Apr 2026	High Tide Time	736
S3	14 Apr 2026	Low Tide Time	147
S3	14 Apr 2026	Comments	Water turbid; Trash-0; Kelp; No flow from storm drain
S3	21 Apr 2026	Arrive Time	905
S3	21 Apr 2026	Wind Speed (kts)	0.8
S3	21 Apr 2026	Wind Dir	N
S3	21 Apr 2026	Animal Life	Dog-2; Seagull-20;
S3	21 Apr 2026	Floatables	
S3	21 Apr 2026	Current Direction	N
S3	21 Apr 2026	Water Temp (C)	14
S3	21 Apr 2026	High Tide Time	1404
S3	21 Apr 2026	Low Tide Time	724
S3	21 Apr 2026	Comments	Water turbid; Surfer/Paddle boarder-2; Trash-0; Kelp; No flow from storm drain
S3	28 Apr 2026	Arrive Time	905
S3	28 Apr 2026	Wind Speed (kts)	2.1
S3	28 Apr 2026	Wind Dir	NE
S3	28 Apr 2026	Animal Life	Dog-2; Seagull-20;
S3	28 Apr 2026	Floatables	
S3	28 Apr 2026	Current Direction	S
S3	28 Apr 2026	Water Temp (C)	14
S3	28 Apr 2026	High Tide Time	754
S3	28 Apr 2026	Low Tide Time	209
S3	28 Apr 2026	Comments	Water turbid; Trash-0; Kelp; Person/Walker/Jogger-20; No flow from storm drain
S4	01 Apr 2026	Arrive Time	1151
S4	01 Apr 2026	Wind Speed (kts)	3.1

Station	Date	Parameter	Value
S4	01 Apr 2026	Wind Dir	SW
S4	01 Apr 2026	Animal Life	Bird-2;
S4	01 Apr 2026	Floatables	Dead animals; Toilet tissues
S4	01 Apr 2026	Current Direction	S
S4	01 Apr 2026	Water Temp (C)	15.5
S4	01 Apr 2026	High Tide Time	924
S4	01 Apr 2026	Low Tide Time	332
S4	01 Apr 2026	Comments	Water clear; Trash-5; Kelp;Seagrass;Algae;Debris; Person/Walker/Jogger-2
S4	07 Apr 2026	Arrive Time	942
S4	07 Apr 2026	Wind Speed (kts)	2.1
S4	07 Apr 2026	Wind Dir	SW
S4	07 Apr 2026	Animal Life	Bird-4;
S4	07 Apr 2026	Floatables	
S4	07 Apr 2026	Current Direction	S
S4	07 Apr 2026	Water Temp (C)	15.2
S4	07 Apr 2026	High Tide Time	1426
S4	07 Apr 2026	Low Tide Time	740
S4	07 Apr 2026	Comments	Water clear; Trash-4; Seagrass;Kelp
S4	09 Apr 2026	Arrive Time	935
S4	09 Apr 2026	Wind Speed (kts)	5.9
S4	09 Apr 2026	Wind Dir	S
S4	09 Apr 2026	Animal Life	Bird-10;
S4	09 Apr 2026	Floatables	
S4	09 Apr 2026	Current Direction	S
S4	09 Apr 2026	Water Temp (C)	13.5
S4	09 Apr 2026	High Tide Time	111
S4	09 Apr 2026	Low Tide Time	1045
S4	09 Apr 2026	Comments	Water clear; Trash-5; Kelp;Seagrass; Sewage-like odor
S4	14 Apr 2026	Arrive Time	1218
S4	14 Apr 2026	Wind Speed (kts)	7.1
S4	14 Apr 2026	Wind Dir	SW
S4	14 Apr 2026	Animal Life	
S4	14 Apr 2026	Floatables	Dead animals
S4	14 Apr 2026	Current Direction	S
S4	14 Apr 2026	Water Temp (C)	16.1
S4	14 Apr 2026	High Tide Time	736
S4	14 Apr 2026	Low Tide Time	147
S4	14 Apr 2026	Comments	Water clear; Trash-5; Kelp;Seagrass;Algae;Debris; Sewage-like odor
S4	21 Apr 2026	Arrive Time	1010
S4	21 Apr 2026	Wind Speed (kts)	3.5
S4	21 Apr 2026	Wind Dir	W
S4	21 Apr 2026	Animal Life	Bird-10; Pelican-5; Seagull-15;
S4	21 Apr 2026	Floatables	
S4	21 Apr 2026	Current Direction	S
S4	21 Apr 2026	Water Temp (C)	14.1
S4	21 Apr 2026	High Tide Time	1404
S4	21 Apr 2026	Low Tide Time	724
S4	21 Apr 2026	Comments	Water clear; Trash-5; Kelp;Seagrass
S4	28 Apr 2026	Arrive Time	1122
S4	28 Apr 2026	Wind Speed (kts)	4.8
S4	28 Apr 2026	Wind Dir	SW
S4	28 Apr 2026	Animal Life	
S4	28 Apr 2026	Floatables	Dead animals
S4	28 Apr 2026	Current Direction	N

Station	Date	Parameter	Value
S4	28 Apr 2026	Water Temp (C)	12
S4	28 Apr 2026	High Tide Time	754
S4	28 Apr 2026	Low Tide Time	209
S4	28 Apr 2026	Comments	Water clear; Trash-5; Kelp;Seagrass;Algae;Debris; Sewage-like odor
S10	01 Apr 2026	Arrive Time	1128
S10	01 Apr 2026	Wind Speed (kts)	3.2
S10	01 Apr 2026	Wind Dir	SW
S10	01 Apr 2026	Animal Life	
S10	01 Apr 2026	Floatables	Toilet tissues
S10	01 Apr 2026	Current Direction	S
S10	01 Apr 2026	Water Temp (C)	15.9
S10	01 Apr 2026	High Tide Time	924
S10	01 Apr 2026	Low Tide Time	332
S10	01 Apr 2026	Comments	Water clear; Trash-4; Kelp;Seagrass;Algae;Debris; Person/Walker/Jogger-12; Sewage-like odor
S10	07 Apr 2026	Arrive Time	919
S10	07 Apr 2026	Wind Speed (kts)	3.6
S10	07 Apr 2026	Wind Dir	W
S10	07 Apr 2026	Animal Life	Bird-1;
S10	07 Apr 2026	Floatables	Diaper
S10	07 Apr 2026	Current Direction	S
S10	07 Apr 2026	Water Temp (C)	15.7
S10	07 Apr 2026	High Tide Time	1426
S10	07 Apr 2026	Low Tide Time	740
S10	07 Apr 2026	Comments	Water clear; Trash-4; Kelp;Seagrass; Sewage-like odor
S10	09 Apr 2026	Arrive Time	909
S10	09 Apr 2026	Wind Speed (kts)	7.2
S10	09 Apr 2026	Wind Dir	S
S10	09 Apr 2026	Animal Life	Bird-3;
S10	09 Apr 2026	Floatables	
S10	09 Apr 2026	Current Direction	S
S10	09 Apr 2026	Water Temp (C)	14.5
S10	09 Apr 2026	High Tide Time	111
S10	09 Apr 2026	Low Tide Time	1045
S10	09 Apr 2026	Comments	Water clear; Trash-4; Kelp;Seagrass; Sewage-like odor
S10	14 Apr 2026	Arrive Time	1155
S10	14 Apr 2026	Wind Speed (kts)	7.3
S10	14 Apr 2026	Wind Dir	SW
S10	14 Apr 2026	Animal Life	
S10	14 Apr 2026	Floatables	Dead animals
S10	14 Apr 2026	Current Direction	S
S10	14 Apr 2026	Water Temp (C)	13.8
S10	14 Apr 2026	High Tide Time	736
S10	14 Apr 2026	Low Tide Time	147
S10	14 Apr 2026	Comments	Water clear; Trash-5; Kelp;Seagrass;Algae;Debris; Sewage-like odor
S10	21 Apr 2026	Arrive Time	949
S10	21 Apr 2026	Wind Speed (kts)	3.3
S10	21 Apr 2026	Wind Dir	SW
S10	21 Apr 2026	Animal Life	
S10	21 Apr 2026	Floatables	
S10	21 Apr 2026	Current Direction	S
S10	21 Apr 2026	Water Temp (C)	15.3
S10	21 Apr 2026	High Tide Time	1404
S10	21 Apr 2026	Low Tide Time	724

Station	Date	Parameter	Value
S10	21 Apr 2026	Comments	Water clear; Trash-4; Kelp
S10	28 Apr 2026	Arrive Time	1057
S10	28 Apr 2026	Wind Speed (kts)	8.9
S10	28 Apr 2026	Wind Dir	SW
S10	28 Apr 2026	Animal Life	Bird-10;
S10	28 Apr 2026	Floatables	
S10	28 Apr 2026	Current Direction	N
S10	28 Apr 2026	Water Temp (C)	11.9
S10	28 Apr 2026	High Tide Time	754
S10	28 Apr 2026	Low Tide Time	209
S10	28 Apr 2026	Comments	Water clear; Trash-5; Kelp;Seagrass;Algae;Debris; Sewage-like odor
S5	01 Apr 2026	Arrive Time	1005
S5	01 Apr 2026	Wind Speed (kts)	2.1
S5	01 Apr 2026	Wind Dir	S
S5	01 Apr 2026	Animal Life	
S5	01 Apr 2026	Floatables	Dead animals; Toilet tissues
S5	01 Apr 2026	Current Direction	S
S5	01 Apr 2026	Water Temp (C)	15
S5	01 Apr 2026	High Tide Time	924
S5	01 Apr 2026	Low Tide Time	332
S5	01 Apr 2026	Comments	Water clear; Trash-5; Algae;Kelp;Seagrass; Sewage-like odor
S5	07 Apr 2026	Arrive Time	839
S5	07 Apr 2026	Wind Speed (kts)	2.1
S5	07 Apr 2026	Wind Dir	W
S5	07 Apr 2026	Animal Life	Bird-1; Pelican-2; Seagull-10;
S5	07 Apr 2026	Floatables	Foam
S5	07 Apr 2026	Current Direction	S
S5	07 Apr 2026	Water Temp (C)	16.6
S5	07 Apr 2026	High Tide Time	1426
S5	07 Apr 2026	Low Tide Time	740
S5	07 Apr 2026	Comments	Water clear; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-1; Sewage-like odor
S5	09 Apr 2026	Arrive Time	758
S5	09 Apr 2026	Wind Speed (kts)	3.6
S5	09 Apr 2026	Wind Dir	W
S5	09 Apr 2026	Animal Life	Pelican-15; Seagull-15;
S5	09 Apr 2026	Floatables	Foam
S5	09 Apr 2026	Current Direction	S
S5	09 Apr 2026	Water Temp (C)	17.7
S5	09 Apr 2026	High Tide Time	111
S5	09 Apr 2026	Low Tide Time	1045
S5	09 Apr 2026	Comments	Water turbid; Trash-2; Seagrass; Sewage-like odor
S5	14 Apr 2026	Arrive Time	1031
S5	14 Apr 2026	Wind Speed (kts)	5
S5	14 Apr 2026	Wind Dir	SW
S5	14 Apr 2026	Animal Life	
S5	14 Apr 2026	Floatables	Foam
S5	14 Apr 2026	Current Direction	S
S5	14 Apr 2026	Water Temp (C)	14.8
S5	14 Apr 2026	High Tide Time	736
S5	14 Apr 2026	Low Tide Time	147
S5	14 Apr 2026	Comments	Water clear; Trash-5; Kelp;Seagrass;Algae;Debris; Sewage-like odor
S5	21 Apr 2026	Arrive Time	905

Station	Date	Parameter	Value
S5	21 Apr 2026	Wind Speed (kts)	2.5
S5	21 Apr 2026	Wind Dir	S
S5	21 Apr 2026	Animal Life	Pelican-80;
S5	21 Apr 2026	Floatables	
S5	21 Apr 2026	Current Direction	S
S5	21 Apr 2026	Water Temp (C)	18
S5	21 Apr 2026	High Tide Time	1404
S5	21 Apr 2026	Low Tide Time	724
S5	21 Apr 2026	Comments	Water clear; Trash-3; Seagrass;Kelp; Sewage-like odor
S5	28 Apr 2026	Arrive Time	941
S5	28 Apr 2026	Wind Speed (kts)	4.6
S5	28 Apr 2026	Wind Dir	SW
S5	28 Apr 2026	Animal Life	Dog-1;
S5	28 Apr 2026	Floatables	
S5	28 Apr 2026	Current Direction	N
S5	28 Apr 2026	Water Temp (C)	13.9
S5	28 Apr 2026	High Tide Time	754
S5	28 Apr 2026	Low Tide Time	209
S5	28 Apr 2026	Comments	Water clear; Trash-5; Kelp;Seagrass;Algae;Debris; Person/Walker/Jogger-1; Sewage-like odor
S11	01 Apr 2026	Arrive Time	1025
S11	01 Apr 2026	Wind Speed (kts)	2.5
S11	01 Apr 2026	Wind Dir	SW
S11	01 Apr 2026	Animal Life	
S11	01 Apr 2026	Floatables	Dead animals
S11	01 Apr 2026	Current Direction	S
S11	01 Apr 2026	Water Temp (C)	16.3
S11	01 Apr 2026	High Tide Time	924
S11	01 Apr 2026	Low Tide Time	332
S11	01 Apr 2026	Comments	Water clear; Trash-5; Kelp;Seagrass;Algae;Debris; Sewage-like odor
S11	07 Apr 2026	Arrive Time	903
S11	07 Apr 2026	Wind Speed (kts)	3.4
S11	07 Apr 2026	Wind Dir	W
S11	07 Apr 2026	Animal Life	Bird-1; Pelican-1; Seagull-1;
S11	07 Apr 2026	Floatables	
S11	07 Apr 2026	Current Direction	S
S11	07 Apr 2026	Water Temp (C)	14.9
S11	07 Apr 2026	High Tide Time	1426
S11	07 Apr 2026	Low Tide Time	740
S11	07 Apr 2026	Comments	Water clear; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-4
S11	09 Apr 2026	Arrive Time	819
S11	09 Apr 2026	Wind Speed (kts)	5.2
S11	09 Apr 2026	Wind Dir	SW
S11	09 Apr 2026	Animal Life	
S11	09 Apr 2026	Floatables	
S11	09 Apr 2026	Current Direction	S
S11	09 Apr 2026	Water Temp (C)	15.2
S11	09 Apr 2026	High Tide Time	111
S11	09 Apr 2026	Low Tide Time	1045
S11	09 Apr 2026	Comments	Water clear; Trash-2; Seagrass; Sewage-like odor
S11	14 Apr 2026	Arrive Time	1049
S11	14 Apr 2026	Wind Speed (kts)	4.6
S11	14 Apr 2026	Wind Dir	SW
S11	14 Apr 2026	Animal Life	

Station	Date	Parameter	Value
S11	14 Apr 2026	Floatables	
S11	14 Apr 2026	Current Direction	S
S11	14 Apr 2026	Water Temp (C)	12.2
S11	14 Apr 2026	High Tide Time	736
S11	14 Apr 2026	Low Tide Time	147
S11	14 Apr 2026	Comments	Water clear; Trash-5; Kelp;Seagrass;Algae;Debris; Sewage-like odor
S11	21 Apr 2026	Arrive Time	926
S11	21 Apr 2026	Wind Speed (kts)	0.7
S11	21 Apr 2026	Wind Dir	S
S11	21 Apr 2026	Animal Life	Bird-4; Dog-1;
S11	21 Apr 2026	Floatables	Foam
S11	21 Apr 2026	Current Direction	S
S11	21 Apr 2026	Water Temp (C)	17.2
S11	21 Apr 2026	High Tide Time	1404
S11	21 Apr 2026	Low Tide Time	724
S11	21 Apr 2026	Comments	Water clear; Trash-3; Seagrass; Person/Walker/Jogger-2; Sewage-like odor
S11	28 Apr 2026	Arrive Time	1003
S11	28 Apr 2026	Wind Speed (kts)	4.6
S11	28 Apr 2026	Wind Dir	SW
S11	28 Apr 2026	Animal Life	Dog-1;
S11	28 Apr 2026	Floatables	
S11	28 Apr 2026	Current Direction	N
S11	28 Apr 2026	Water Temp (C)	12.3
S11	28 Apr 2026	High Tide Time	754
S11	28 Apr 2026	Low Tide Time	209
S11	28 Apr 2026	Comments	Water clear; Trash-4; Kelp;Seagrass;Algae;Debris; Person/Walker/Jogger-1; Sewage-like odor
S6	01 Apr 2026	Arrive Time	933
S6	01 Apr 2026	Wind Speed (kts)	3.1
S6	01 Apr 2026	Wind Dir	SW
S6	01 Apr 2026	Animal Life	
S6	01 Apr 2026	Floatables	Toilet tissues; Dead animals
S6	01 Apr 2026	Current Direction	S
S6	01 Apr 2026	Water Temp (C)	14.7
S6	01 Apr 2026	High Tide Time	924
S6	01 Apr 2026	Low Tide Time	332
S6	01 Apr 2026	Comments	Water clear; Trash-4; Kelp;Seagrass;Algae;Debris; Sewage-like odor
S6	07 Apr 2026	Arrive Time	918
S6	07 Apr 2026	Wind Speed (kts)	3.6
S6	07 Apr 2026	Wind Dir	W
S6	07 Apr 2026	Animal Life	Bird-1; Seagull-1;
S6	07 Apr 2026	Floatables	
S6	07 Apr 2026	Current Direction	S
S6	07 Apr 2026	Water Temp (C)	15.3
S6	07 Apr 2026	High Tide Time	1426
S6	07 Apr 2026	Low Tide Time	740
S6	07 Apr 2026	Comments	Water clear; Trash-2; Kelp;Seagrass;Algae; Person/Walker/Jogger-2
S6	09 Apr 2026	Arrive Time	832
S6	09 Apr 2026	Wind Speed (kts)	7.3
S6	09 Apr 2026	Wind Dir	SW
S6	09 Apr 2026	Animal Life	
S6	09 Apr 2026	Floatables	

Station	Date	Parameter	Value
S6	09 Apr 2026	Current Direction	S
S6	09 Apr 2026	Water Temp (C)	16
S6	09 Apr 2026	High Tide Time	111
S6	09 Apr 2026	Low Tide Time	1045
S6	09 Apr 2026	Comments	Water clear; Trash-1; Algae
S6	14 Apr 2026	Arrive Time	1102
S6	14 Apr 2026	Wind Speed (kts)	4.8
S6	14 Apr 2026	Wind Dir	SW
S6	14 Apr 2026	Animal Life	Bird-3;
S6	14 Apr 2026	Floatables	
S6	14 Apr 2026	Current Direction	S
S6	14 Apr 2026	Water Temp (C)	13.5
S6	14 Apr 2026	High Tide Time	736
S6	14 Apr 2026	Low Tide Time	147
S6	14 Apr 2026	Comments	Water clear; Trash-5; Kelp;Seagrass;Algae;Debris; Sewage-like odor
S6	21 Apr 2026	Arrive Time	936
S6	21 Apr 2026	Wind Speed (kts)	2.8
S6	21 Apr 2026	Wind Dir	SW
S6	21 Apr 2026	Animal Life	Dog-1;
S6	21 Apr 2026	Floatables	
S6	21 Apr 2026	Current Direction	S
S6	21 Apr 2026	Water Temp (C)	16.8
S6	21 Apr 2026	High Tide Time	1404
S6	21 Apr 2026	Low Tide Time	724
S6	21 Apr 2026	Comments	Water clear; Surfer/Paddle boarder-3; Trash-2; Seagrass; Person/Walker/Jogger-6; Sewage-like odor
S6	28 Apr 2026	Arrive Time	1015
S6	28 Apr 2026	Wind Speed (kts)	5
S6	28 Apr 2026	Wind Dir	SW
S6	28 Apr 2026	Animal Life	
S6	28 Apr 2026	Floatables	Foam
S6	28 Apr 2026	Current Direction	N
S6	28 Apr 2026	Water Temp (C)	13.5
S6	28 Apr 2026	High Tide Time	754
S6	28 Apr 2026	Low Tide Time	209
S6	28 Apr 2026	Comments	Water clear; Trash-5; Kelp;Seagrass;Algae;Debris; Sewage-like odor
S12	01 Apr 2026	Arrive Time	910
S12	01 Apr 2026	Wind Speed (kts)	1.3
S12	01 Apr 2026	Wind Dir	SW
S12	01 Apr 2026	Animal Life	
S12	01 Apr 2026	Floatables	
S12	01 Apr 2026	Current Direction	S
S12	01 Apr 2026	Water Temp (C)	16.2
S12	01 Apr 2026	High Tide Time	924
S12	01 Apr 2026	Low Tide Time	332
S12	01 Apr 2026	Comments	Water clear; Trash-4; Seagrass;Algae;Debris; Sewage-like odor
S12	07 Apr 2026	Arrive Time	941
S12	07 Apr 2026	Wind Speed (kts)	5.3
S12	07 Apr 2026	Wind Dir	W
S12	07 Apr 2026	Animal Life	Seagull-3;
S12	07 Apr 2026	Floatables	
S12	07 Apr 2026	Current Direction	S
S12	07 Apr 2026	Water Temp (C)	16.3

Station	Date	Parameter	Value
S12	07 Apr 2026	High Tide Time	1426
S12	07 Apr 2026	Low Tide Time	740
S12	07 Apr 2026	Comments	Water clear; Trash-2; Kelp; Person/Walker/Jogger-2; Sewage-like odor
S12	09 Apr 2026	Arrive Time	856
S12	09 Apr 2026	Wind Speed (kts)	6.4
S12	09 Apr 2026	Wind Dir	SW
S12	09 Apr 2026	Animal Life	
S12	09 Apr 2026	Floatables	
S12	09 Apr 2026	Current Direction	S
S12	09 Apr 2026	Water Temp (C)	16.8
S12	09 Apr 2026	High Tide Time	111
S12	09 Apr 2026	Low Tide Time	1045
S12	09 Apr 2026	Comments	Water clear; Trash-3; Kelp;Seagrass; Person/Walker/Jogger-1
S12	14 Apr 2026	Arrive Time	922
S12	14 Apr 2026	Wind Speed (kts)	2.9
S12	14 Apr 2026	Wind Dir	S
S12	14 Apr 2026	Animal Life	Dog-1; Seal/Sea Lion-1;
S12	14 Apr 2026	Floatables	
S12	14 Apr 2026	Current Direction	S
S12	14 Apr 2026	Water Temp (C)	14.8
S12	14 Apr 2026	High Tide Time	736
S12	14 Apr 2026	Low Tide Time	147
S12	14 Apr 2026	Comments	Water clear; Trash-5; Kelp;Seagrass;Algae;Debris; Person/Walker/Jogger-2
S12	21 Apr 2026	Arrive Time	1000
S12	21 Apr 2026	Wind Speed (kts)	4.5
S12	21 Apr 2026	Wind Dir	SW
S12	21 Apr 2026	Animal Life	Dog-1;
S12	21 Apr 2026	Floatables	
S12	21 Apr 2026	Current Direction	S
S12	21 Apr 2026	Water Temp (C)	17.2
S12	21 Apr 2026	High Tide Time	1404
S12	21 Apr 2026	Low Tide Time	724
S12	21 Apr 2026	Comments	Water clear; Trash-2; Seagrass; Person/Walker/Jogger-3; Sewage-like odor
S12	28 Apr 2026	Arrive Time	918
S12	28 Apr 2026	Wind Speed (kts)	1.4
S12	28 Apr 2026	Wind Dir	SW
S12	28 Apr 2026	Animal Life	
S12	28 Apr 2026	Floatables	
S12	28 Apr 2026	Current Direction	S
S12	28 Apr 2026	Water Temp (C)	11.1
S12	28 Apr 2026	High Tide Time	754
S12	28 Apr 2026	Low Tide Time	209
S12	28 Apr 2026	Comments	Water clear; Surfer/Paddle boarder-1; Trash-4; Kelp;Seagrass; Person/Walker/Jogger-1
S8	01 Apr 2026	Arrive Time	841
S8	01 Apr 2026	Wind Speed (kts)	3.1
S8	01 Apr 2026	Wind Dir	SW
S8	01 Apr 2026	Animal Life	Dolphin-2; Seal/Sea Lion-1;
S8	01 Apr 2026	Floatables	Dead animals
S8	01 Apr 2026	Current Direction	S
S8	01 Apr 2026	Water Temp (C)	15.5
S8	01 Apr 2026	High Tide Time	924

Station	Date	Parameter	Value
S8	01 Apr 2026	Low Tide Time	332
S8	01 Apr 2026	Comments	Water clear; Trash-3; Seagrass;Kelp;Algae;Debris; Person/Walker/Jogger-2; Sewage-like odor
S8	07 Apr 2026	Arrive Time	818
S8	07 Apr 2026	Wind Speed (kts)	0.3
S8	07 Apr 2026	Wind Dir	N
S8	07 Apr 2026	Animal Life	Bird-3;
S8	07 Apr 2026	Floatables	
S8	07 Apr 2026	Current Direction	S
S8	07 Apr 2026	Water Temp (C)	13.2
S8	07 Apr 2026	High Tide Time	1426
S8	07 Apr 2026	Low Tide Time	740
S8	07 Apr 2026	Comments	Water clear; Trash-2; Seagrass;Kelp; Person/Walker/Jogger-1
S8	09 Apr 2026	Arrive Time	812
S8	09 Apr 2026	Wind Speed (kts)	7.4
S8	09 Apr 2026	Wind Dir	S
S8	09 Apr 2026	Animal Life	Bird-2; Seagull-2;
S8	09 Apr 2026	Floatables	
S8	09 Apr 2026	Current Direction	S
S8	09 Apr 2026	Water Temp (C)	14.9
S8	09 Apr 2026	High Tide Time	111
S8	09 Apr 2026	Low Tide Time	1045
S8	09 Apr 2026	Comments	Water clear; Trash-2; Kelp;Seagrass
S8	14 Apr 2026	Arrive Time	859
S8	14 Apr 2026	Wind Speed (kts)	3.4
S8	14 Apr 2026	Wind Dir	S
S8	14 Apr 2026	Animal Life	
S8	14 Apr 2026	Floatables	
S8	14 Apr 2026	Current Direction	S
S8	14 Apr 2026	Water Temp (C)	13
S8	14 Apr 2026	High Tide Time	736
S8	14 Apr 2026	Low Tide Time	147
S8	14 Apr 2026	Comments	Water clear; Trash-3; Kelp;Seagrass;Algae;Debris
S8	21 Apr 2026	Arrive Time	901
S8	21 Apr 2026	Wind Speed (kts)	0
S8	21 Apr 2026	Wind Dir	XX
S8	21 Apr 2026	Animal Life	
S8	21 Apr 2026	Floatables	
S8	21 Apr 2026	Current Direction	S
S8	21 Apr 2026	Water Temp (C)	15.1
S8	21 Apr 2026	High Tide Time	1404
S8	21 Apr 2026	Low Tide Time	724
S8	21 Apr 2026	Comments	Water clear; Fisherperson-1; Trash-1; Kelp;Seagrass
S8	28 Apr 2026	Arrive Time	853
S8	28 Apr 2026	Wind Speed (kts)	2.2
S8	28 Apr 2026	Wind Dir	NW
S8	28 Apr 2026	Animal Life	
S8	28 Apr 2026	Floatables	
S8	28 Apr 2026	Current Direction	S
S8	28 Apr 2026	Water Temp (C)	10.4
S8	28 Apr 2026	High Tide Time	754
S8	28 Apr 2026	Low Tide Time	209
S8	28 Apr 2026	Comments	Water clear; Trash-3; Kelp;Seagrass
S9	01 Apr 2026	Arrive Time	818

Station	Date	Parameter	Value
S9	01 Apr 2026	Wind Speed (kts)	1.5
S9	01 Apr 2026	Wind Dir	SW
S9	01 Apr 2026	Animal Life	Bird-2;
S9	01 Apr 2026	Floatables	
S9	01 Apr 2026	Current Direction	S
S9	01 Apr 2026	Water Temp (C)	14.9
S9	01 Apr 2026	High Tide Time	924
S9	01 Apr 2026	Low Tide Time	332
S9	01 Apr 2026	Comments	Water clear; Trash-3; Kelp;Seagrass;Algae;Debris; Person/Walker/Jogger-2; Sewage-like odor
S9	07 Apr 2026	Arrive Time	753
S9	07 Apr 2026	Wind Speed (kts)	2.7
S9	07 Apr 2026	Wind Dir	N
S9	07 Apr 2026	Animal Life	Seagull-13;
S9	07 Apr 2026	Floatables	
S9	07 Apr 2026	Current Direction	S
S9	07 Apr 2026	Water Temp (C)	13.5
S9	07 Apr 2026	High Tide Time	1426
S9	07 Apr 2026	Low Tide Time	740
S9	07 Apr 2026	Comments	Water clear; Trash-0; Seagrass; Person/Walker/Jogger-9
S9	09 Apr 2026	Arrive Time	749
S9	09 Apr 2026	Wind Speed (kts)	6
S9	09 Apr 2026	Wind Dir	S
S9	09 Apr 2026	Animal Life	Bird-2;
S9	09 Apr 2026	Floatables	
S9	09 Apr 2026	Current Direction	S
S9	09 Apr 2026	Water Temp (C)	13.9
S9	09 Apr 2026	High Tide Time	111
S9	09 Apr 2026	Low Tide Time	1045
S9	09 Apr 2026	Comments	Water clear; Trash-1; Kelp;Seagrass; Person/Walker/Jogger-5
S9	14 Apr 2026	Arrive Time	834
S9	14 Apr 2026	Wind Speed (kts)	3.3
S9	14 Apr 2026	Wind Dir	S
S9	14 Apr 2026	Animal Life	Bird-1;
S9	14 Apr 2026	Floatables	
S9	14 Apr 2026	Current Direction	S
S9	14 Apr 2026	Water Temp (C)	14.3
S9	14 Apr 2026	High Tide Time	736
S9	14 Apr 2026	Low Tide Time	147
S9	14 Apr 2026	Comments	Water clear; Trash-3; Kelp;Seagrass;Algae;Debris; Sewage-like odor
S9	21 Apr 2026	Arrive Time	836
S9	21 Apr 2026	Wind Speed (kts)	1.3
S9	21 Apr 2026	Wind Dir	SW
S9	21 Apr 2026	Animal Life	
S9	21 Apr 2026	Floatables	
S9	21 Apr 2026	Current Direction	S
S9	21 Apr 2026	Water Temp (C)	14.4
S9	21 Apr 2026	High Tide Time	1404
S9	21 Apr 2026	Low Tide Time	724
S9	21 Apr 2026	Comments	Water clear; Trash-2; Kelp;Seagrass; Person/Walker/Jogger-4
S9	28 Apr 2026	Arrive Time	827
S9	28 Apr 2026	Wind Speed (kts)	1.1
S9	28 Apr 2026	Wind Dir	NW

Station	Date	Parameter	Value
S9	28 Apr 2026	Animal Life	
S9	28 Apr 2026	Floatables	
S9	28 Apr 2026	Current Direction	S
S9	28 Apr 2026	Water Temp (C)	10.5
S9	28 Apr 2026	High Tide Time	754
S9	28 Apr 2026	Low Tide Time	209
S9	28 Apr 2026	Comments	Water clear; Trash-2; Seagrass;Kelp; Person/Walker/Jogger-2

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Kelp Stations

Table 3.1

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

Date	I19	I24	I25	I26	I32	I39	I40
01 Apr 2026	3	8	4	4	6	4	7
02 Apr 2026	*3	*6	*2	*3	*7	*2	*7
03 Apr 2026	*3	*6	*2	*3	*7	*2	*7
04 Apr 2026	*3	*6	*2	*3	*7	*2	*7
05 Apr 2026	*3	*6	*2	*3	*7	*2	*7
06 Apr 2026	3	5	2	3	9	2	6
07 Apr 2026	3	5	2	3	9	2	6
08 Apr 2026	3	5	2	3	9	2	6
09 Apr 2026	*2	*5	*2	*2	*13	*2	*4
10 Apr 2026	*2	*5	*2	*2	*13	*2	*4
11 Apr 2026	*2	*5	*2	*2	*13	*2	*4
12 Apr 2026	*2	*5	*2	*2	*13	*2	*4
13 Apr 2026	*2	*5	*2	*2	*13	*2	*4
14 Apr 2026	3	5	3	2	9	2	4
15 Apr 2026	3	5	3	2	9	2	4
16 Apr 2026	*3	*7	*3	*2	*6	*2	*5
17 Apr 2026	*3	*7	*3	*2	*6	*2	*5
18 Apr 2026	*3	*7	*3	*2	*6	*2	*5
19 Apr 2026	*3	*7	*3	*2	*6	*2	*5
20 Apr 2026	*3	*7	*3	*2	*6	*2	*5
21 Apr 2026	3	5	3	2	5	2	4
22 Apr 2026	3	5	3	2	5	2	4
23 Apr 2026	*3	*3	*3	*2	*6	*2	*3
24 Apr 2026	*3	*3	*3	*2	*6	*2	*3
25 Apr 2026	*3	*3	*3	*2	*6	*2	*3
26 Apr 2026	*3	*3	*3	*2	*6	*2	*3
27 Apr 2026	*3	*3	*3	*2	*6	*2	*3
28 Apr 2026	4	3	3	2	5	2	3
29 Apr 2026	*5	*3	*3	*2	*4	*2	*3
30 Apr 2026	*5	*3	*3	*2	*4	*2	*3

* Geometric mean calculated using n<5

Table 3.2

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

Date	I19	I24	I25	I26	I32	I39	I40
06 Apr 2026	IC	IC	IC	IC	IC	IC	IC
14 Apr 2026	IC	IC	IC	IC	IC	IC	IC
21 Apr 2026	IC	IC	IC	IC	IC	IC	IC
28 Apr 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 Apr 2026	**59**	**60**	14	8	**36**	6	**116**
02 Apr 2026	**36**	**35**	7	6	23	6	**79**
03 Apr 2026	**36**	**35**	7	6	23	6	**79**
04 Apr 2026	**36**	**35**	7	6	23	6	**79**
05 Apr 2026	**36**	**35**	7	6	23	6	**79**
06 Apr 2026	24	**37**	6	8	**40**	5	**88**
07 Apr 2026	11	**48**	7	9	**41**	4	**54**
08 Apr 2026	11	**48**	7	9	**41**	4	**54**
09 Apr 2026	11	**48**	7	9	**41**	4	**54**
10 Apr 2026	11	**48**	7	9	**41**	4	**54**
11 Apr 2026	11	**48**	7	9	**41**	4	**54**
12 Apr 2026	11	**48**	7	9	**41**	4	**54**
13 Apr 2026	11	**48**	7	9	**41**	4	**54**
14 Apr 2026	11	**47**	7	9	**38**	2	**48**
15 Apr 2026	11	**47**	7	9	**38**	2	**48**
16 Apr 2026	11	**47**	7	9	**38**	2	**48**
17 Apr 2026	11	**47**	7	9	**38**	2	**48**
18 Apr 2026	11	**47**	7	9	**38**	2	**48**
19 Apr 2026	11	**47**	7	9	**38**	2	**48**
20 Apr 2026	11	**47**	7	9	**38**	2	**48**
21 Apr 2026	6	**36**	7	6	28	3	26
22 Apr 2026	6	**36**	7	6	28	3	26
23 Apr 2026	6	**36**	7	6	28	3	26
24 Apr 2026	6	**36**	7	6	28	3	26
25 Apr 2026	6	**36**	7	6	28	3	26
26 Apr 2026	6	**36**	7	6	28	3	26
27 Apr 2026	6	**36**	7	6	28	3	26
28 Apr 2026	6	**36**	7	6	14	2	25
29 Apr 2026	6	**36**	7	6	14	2	25
30 Apr 2026	6	**36**	7	6	14	2	25

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

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

Table 3.5

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

	I19			I24			I25			I26			I32			I39			I40		
Date	2m	6m	11m	2m	6m	11m	2m	6m	9m	2m	6m	9m	2m	6m	9m	2m	12m	18m	2m	6m	9m
01 Apr 2026	16	10	16	**90**	18	24	2	6	12	2	2	20	2	6	60	2	2	2	20	18	20
02 Apr 2026	*12	*14	*14	*51	*15	*13	*2	*4	*7	*2	*2	*14	*31	*53	***83**	*2	*2	*7	***73**	*12	*19
03 Apr 2026	*12	*14	*14	*51	*15	*13	*2	*4	*7	*2	*2	*14	*31	*53	***83**	*2	*2	*7	***73**	*12	*19
04 Apr 2026	*12	*14	*14	*51	*15	*13	*2	*4	*7	*2	*2	*14	*31	*53	***83**	*2	*2	*7	***73**	*12	*19
05 Apr 2026	*12	*14	*14	*51	*15	*13	*2	*4	*7	*2	*2	*14	*31	*53	***83**	*2	*2	*7	***73**	*12	*19
06 Apr 2026	8	10	16	12	12	2	2	2	2	2	2	2	60	**100**	6	2	2	2	20	6	20
07 Apr 2026	8	10	16	12	12	2	2	2	2	2	2	2	60	**100**	6	2	2	2	20	6	20
08 Apr 2026	8	10	16	12	12	2	2	2	2	2	2	2	60	**100**	6	2	2	2	20	6	20
09 Apr 2026	*5	*6	*14	*7	*9	*2	*2	*2	*2	*2	*2	*2	***420**	***130**	***83**	*2	*2	*2	*13	*6	*19
10 Apr 2026	*5	*6	*14	*7	*9	*2	*2	*2	*2	*2	*2	*2	***420**	***130**	***83**	*2	*2	*2	*13	*6	*19
11 Apr 2026	*5	*6	*14	*7	*9	*2	*2	*2	*2	*2	*2	*2	***420**	***130**	***83**	*2	*2	*2	*13	*6	*19
12 Apr 2026	*5	*6	*14	*7	*9	*2	*2	*2	*2	*2	*2	*2	***420**	***130**	***83**	*2	*2	*2	*13	*6	*19
13 Apr 2026	*5	*6	*14	*7	*9	*2	*2	*2	*2	*2	*2	*2	***420**	***130**	***83**	*2	*2	*2	*13	*6	*19
14 Apr 2026	8	10	16	12	12	2	2	2	2	2	2	2	60	**100**	20	2	2	2	6	6	20
15 Apr 2026	8	10	16	12	12	2	2	2	2	2	2	2	60	**100**	20	2	2	2	6	6	20
16 Apr 2026	*5	*6	*16	*16	*13	*11	*2	*9	*8	*2	*9	*4	*40	*53	*13	*2	*2	*6	*12	*12	*19
17 Apr 2026	*5	*6	*16	*16	*13	*11	*2	*9	*8	*2	*9	*4	*40	*53	*13	*2	*2	*6	*12	*12	*19
18 Apr 2026	*5	*6	*16	*16	*13	*11	*2	*9	*8	*2	*9	*4	*40	*53	*13	*2	*2	*6	*12	*12	*19
19 Apr 2026	*5	*6	*16	*16	*13	*11	*2	*9	*8	*2	*9	*4	*40	*53	*13	*2	*2	*6	*12	*12	*19
20 Apr 2026	*5	*6	*16	*16	*13	*11	*2	*9	*8	*2	*9	*4	*40	*53	*13	*2	*2	*6	*12	*12	*19
21 Apr 2026	2	2	12	20	20	20	2	16	2	2	2	2	20	6	6	2	2	10	4	6	20
22 Apr 2026	2	2	12	20	20	20	2	16	2	2	2	2	20	6	6	2	2	10	4	6	20
23 Apr 2026	*2	*2	*16	*16	*13	*20	*11	*18	*8	*2	*9	*4	*40	*51	*13	*2	*2	*11	*3	*5	*20
24 Apr 2026	*2	*2	*16	*16	*13	*20	*11	*18	*8	*2	*9	*4	*40	*51	*13	*2	*2	*11	*3	*5	*20
25 Apr 2026	*2	*2	*16	*16	*13	*20	*11	*18	*8	*2	*9	*4	*40	*51	*13	*2	*2	*11	*3	*5	*20
26 Apr 2026	*2	*2	*16	*16	*13	*20	*11	*18	*8	*2	*9	*4	*40	*51	*13	*2	*2	*11	*3	*5	*20
27 Apr 2026	*2	*2	*16	*16	*13	*20	*11	*18	*8	*2	*9	*4	*40	*51	*13	*2	*2	*11	*3	*5	*20
28 Apr 2026	2	2	20	12	6	20	2	16	2	2	2	2	20	2	6	2	2	10	2	6	20
29 Apr 2026	*11	*19	*20	*11	*11	*11	*11	*9	*2	*2	*2	*2	*11	*2	*4	*2	*2	*6	*3	*24	*20
30 Apr 2026	*11	*19	*20	*11	*11	*11	*11	*9	*2	*2	*2	*2	*11	*2	*4	*2	*2	*6	*3	*24	*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**
April	**E**	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC	**E**	IC	IC	IC	IC	IC	IC	IC	IC

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

Table 3.7

Summary of water quality parameters at the SBOO kelp stations for each sample date. Densities of total coliform (Total), fecal coliform (Fecal), and *Enterococcus* (Entero) bacteria are reported as CFU/100 mL; 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	06 Apr 2026	1105	2	<2	<2	<2
I19	06 Apr 2026	1105	6	<2	<2	<2
I19	06 Apr 2026	1105	11	<20	<2	<2
I19	14 Apr 2026	1047	2	<20	<2	32e
I19	14 Apr 2026	1047	6	60e	4e	2e
I19	14 Apr 2026	1047	11	20e	14e	10e
I19	21 Apr 2026	1058	2	<2	<2	<2
I19	21 Apr 2026	1058	6	<2	<2	<2
I19	21 Apr 2026	1058	11	<2	2e	<2
I19	28 Apr 2026	1101	2	240e	52	10e
I19	28 Apr 2026	1101	6	36e	<2	<2
I19	28 Apr 2026	1101	11	80e	4e	<2
I24	06 Apr 2026	1125	2	2e	<2	120
I24	06 Apr 2026	1125	6	<2	<2	32e
I24	06 Apr 2026	1125	11	<2	2e	4e
I24	14 Apr 2026	1107	2	20e	14e	86
I24	14 Apr 2026	1107	6	20e	2e	6e
I24	14 Apr 2026	1107	11	20e	8e	<2
I24	21 Apr 2026	1118	2	<20	<2	18e
I24	21 Apr 2026	1118	6	<20	<2	24e
I24	21 Apr 2026	1118	11	<20	2e	2e
I24	28 Apr 2026	1121	2	<2	<2	<2
I24	28 Apr 2026	1121	6	<2	2e	<2
I24	28 Apr 2026	1121	11	<2	<2	<2
I25	06 Apr 2026	1133	2	<2	<2	4e
I25	06 Apr 2026	1133	6	<2	<2	<2
I25	06 Apr 2026	1133	9	<2	<2	2e
I25	14 Apr 2026	1115	2	<20	18e	50
I25	14 Apr 2026	1115	6	16e	<2	16e
I25	14 Apr 2026	1115	9	22e	2e	<2
I25	21 Apr 2026	1125	2	<20	<2	66
I25	21 Apr 2026	1125	6	<20	<2	62
I25	21 Apr 2026	1125	9	2e	2e	6e
I25	28 Apr 2026	1128	2	<2	<2	<2
I25	28 Apr 2026	1128	6	<2	<2	<2
I25	28 Apr 2026	1128	9	<2	<2	<2
I26	06 Apr 2026	1141	2	60e	2e	100e
I26	06 Apr 2026	1141	6	<2	<2	36e
I26	06 Apr 2026	1141	9	<2	<2	<2

Station	Date	Time	Depth	Total	Fecal	Entero
I26	14 Apr 2026	1124	2	<2	<2	<2
I26	14 Apr 2026	1124	6	16e	<2	<2
I26	14 Apr 2026	1124	9	6e	2e	2e
I26	21 Apr 2026	1137	2	<2	<2	<2
I26	21 Apr 2026	1137	6	<2	<2	10e
I26	21 Apr 2026	1137	9	<2	<2	<2
I26	28 Apr 2026	1138	2	<2	<2	<2
I26	28 Apr 2026	1138	6	<2	<2	<2
I26	28 Apr 2026	1138	9	<2	<2	<2
I32	06 Apr 2026	1153	2	1000e	48	2800e
I32	06 Apr 2026	1153	6	160e	10e	360e
I32	06 Apr 2026	1153	9	6e	<2	12e
I32	14 Apr 2026	1139	2	<20	<2	<2
I32	14 Apr 2026	1139	6	2e	<2	2e
I32	14 Apr 2026	1139	9	<20	4e	4e
I32	21 Apr 2026	1148	2	<2	<2	<2
I32	21 Apr 2026	1148	6	<2	<2	<2
I32	21 Apr 2026	1148	9	<2	<2	<2
I32	28 Apr 2026	1150	2	<2	<2	<2
I32	28 Apr 2026	1150	6	<2	<2	<2
I32	28 Apr 2026	1150	9	2e	2e	<2
I39	06 Apr 2026	1041	2	<2	<2	<2
I39	06 Apr 2026	1041	12	<2	<2	<2
I39	06 Apr 2026	1041	18	<2	<2	<2
I39	14 Apr 2026	1024	2	2e	<2	<2
I39	14 Apr 2026	1024	12	32e	2e	4e
I39	14 Apr 2026	1024	18	10e	2e	<2
I39	21 Apr 2026	1035	2	<2	<2	<2
I39	21 Apr 2026	1035	12	<2	<2	<2
I39	21 Apr 2026	1035	18	22e	4e	12e
I39	28 Apr 2026	1040	2	<2	<2	<2
I39	28 Apr 2026	1040	12	<2	<2	<2
I39	28 Apr 2026	1040	18	2e	<2	<2
I40	06 Apr 2026	1118	2	<20	<2	400
I40	06 Apr 2026	1118	6	6e	<2	100
I40	06 Apr 2026	1118	9	<20	6e	4e
I40	14 Apr 2026	1058	2	4e	<2	20e
I40	14 Apr 2026	1058	6	60e	4e	8e
I40	14 Apr 2026	1058	9	20e	8e	4e
I40	21 Apr 2026	1110	2	<2	<2	8e
I40	21 Apr 2026	1110	6	<2	<2	4e
I40	21 Apr 2026	1110	9	<20	<2	<2
I40	28 Apr 2026	1113	2	<2	<2	<2
I40	28 Apr 2026	1113	6	42	2e	4e
I40	28 Apr 2026	1113	9	20e	<2	<2

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	06 Apr 2026	Arrive Time	1105
I19	06 Apr 2026	Depart Time	1111
I19	06 Apr 2026	Air Temp (C)	20.5
I19	06 Apr 2026	Visibility (mi)	10
I19	06 Apr 2026	Wind Speed (kts)	3.7
I19	06 Apr 2026	Wind Dir	W
I19	06 Apr 2026	Sea State	Calm
I19	06 Apr 2026	High Tide Time	6
I19	06 Apr 2026	Low Tide Time	642
I19	06 Apr 2026	Comments	
I19	14 Apr 2026	Arrive Time	1047
I19	14 Apr 2026	Depart Time	1051
I19	14 Apr 2026	Air Temp (C)	19.2
I19	14 Apr 2026	Visibility (mi)	10
I19	14 Apr 2026	Wind Speed (kts)	2.3
I19	14 Apr 2026	Wind Dir	W
I19	14 Apr 2026	Sea State	Calm
I19	14 Apr 2026	High Tide Time	2006
I19	14 Apr 2026	Low Tide Time	1354
I19	14 Apr 2026	Comments	
I19	21 Apr 2026	Arrive Time	1058
I19	21 Apr 2026	Depart Time	1103
I19	21 Apr 2026	Air Temp (C)	19.6
I19	21 Apr 2026	Visibility (mi)	10
I19	21 Apr 2026	Wind Speed (kts)	3.2
I19	21 Apr 2026	Wind Dir	W
I19	21 Apr 2026	Sea State	Calm
I19	21 Apr 2026	High Tide Time	6
I19	21 Apr 2026	Low Tide Time	724
I19	21 Apr 2026	Comments	
I19	28 Apr 2026	Arrive Time	1100
I19	28 Apr 2026	Depart Time	1106
I19	28 Apr 2026	Air Temp (C)	18.9
I19	28 Apr 2026	Visibility (mi)	10
I19	28 Apr 2026	Wind Speed (kts)	3.5
I19	28 Apr 2026	Wind Dir	W
I19	28 Apr 2026	Sea State	Light Chop
I19	28 Apr 2026	High Tide Time	2012
I19	28 Apr 2026	Low Tide Time	206
I19	28 Apr 2026	Comments	
I40	06 Apr 2026	Arrive Time	1118
I40	06 Apr 2026	Depart Time	1122
I40	06 Apr 2026	Air Temp (C)	20.3
I40	06 Apr 2026	Visibility (mi)	10
I40	06 Apr 2026	Wind Speed (kts)	4.3
I40	06 Apr 2026	Wind Dir	W
I40	06 Apr 2026	Sea State	Calm
I40	06 Apr 2026	High Tide Time	6
I40	06 Apr 2026	Low Tide Time	642
I40	06 Apr 2026	Comments	
I40	14 Apr 2026	Arrive Time	1058

Station	Date	Parameter	Value
I40	14 Apr 2026	Depart Time	1101
I40	14 Apr 2026	Air Temp (C)	17.7
I40	14 Apr 2026	Visibility (mi)	10
I40	14 Apr 2026	Wind Speed (kts)	3.3
I40	14 Apr 2026	Wind Dir	NW
I40	14 Apr 2026	Sea State	Wind Ripples
I40	14 Apr 2026	High Tide Time	2006
I40	14 Apr 2026	Low Tide Time	1354
I40	14 Apr 2026	Comments	
I40	21 Apr 2026	Arrive Time	1110
I40	21 Apr 2026	Depart Time	1115
I40	21 Apr 2026	Air Temp (C)	19.1
I40	21 Apr 2026	Visibility (mi)	10
I40	21 Apr 2026	Wind Speed (kts)	5
I40	21 Apr 2026	Wind Dir	NW
I40	21 Apr 2026	Sea State	Calm
I40	21 Apr 2026	High Tide Time	6
I40	21 Apr 2026	Low Tide Time	724
I40	21 Apr 2026	Comments	
I40	28 Apr 2026	Arrive Time	1113
I40	28 Apr 2026	Depart Time	1116
I40	28 Apr 2026	Air Temp (C)	16.3
I40	28 Apr 2026	Visibility (mi)	10
I40	28 Apr 2026	Wind Speed (kts)	7.2
I40	28 Apr 2026	Wind Dir	NW
I40	28 Apr 2026	Sea State	Light Chop
I40	28 Apr 2026	High Tide Time	2012
I40	28 Apr 2026	Low Tide Time	206
I40	28 Apr 2026	Comments	
I24	06 Apr 2026	Arrive Time	1125
I24	06 Apr 2026	Depart Time	1128
I24	06 Apr 2026	Air Temp (C)	19.6
I24	06 Apr 2026	Visibility (mi)	10
I24	06 Apr 2026	Wind Speed (kts)	3.9
I24	06 Apr 2026	Wind Dir	W
I24	06 Apr 2026	Sea State	Calm
I24	06 Apr 2026	High Tide Time	6
I24	06 Apr 2026	Low Tide Time	642
I24	06 Apr 2026	Comments	
I24	14 Apr 2026	Arrive Time	1107
I24	14 Apr 2026	Depart Time	1113
I24	14 Apr 2026	Air Temp (C)	17.9
I24	14 Apr 2026	Visibility (mi)	10
I24	14 Apr 2026	Wind Speed (kts)	3.5
I24	14 Apr 2026	Wind Dir	W
I24	14 Apr 2026	Sea State	Wind Ripples
I24	14 Apr 2026	High Tide Time	2006
I24	14 Apr 2026	Low Tide Time	1354
I24	14 Apr 2026	Comments	
I24	21 Apr 2026	Arrive Time	1118
I24	21 Apr 2026	Depart Time	1122
I24	21 Apr 2026	Air Temp (C)	18.3
I24	21 Apr 2026	Visibility (mi)	10
I24	21 Apr 2026	Wind Speed (kts)	9.7
I24	21 Apr 2026	Wind Dir	W
I24	21 Apr 2026	Sea State	Calm

Station	Date	Parameter	Value
I24	21 Apr 2026	High Tide Time	6
I24	21 Apr 2026	Low Tide Time	724
I24	21 Apr 2026	Comments	
I24	28 Apr 2026	Arrive Time	1120
I24	28 Apr 2026	Depart Time	1127
I24	28 Apr 2026	Air Temp (C)	16.7
I24	28 Apr 2026	Visibility (mi)	10
I24	28 Apr 2026	Wind Speed (kts)	10.3
I24	28 Apr 2026	Wind Dir	NW
I24	28 Apr 2026	Sea State	Light Chop
I24	28 Apr 2026	High Tide Time	2012
I24	28 Apr 2026	Low Tide Time	206
I24	28 Apr 2026	Comments	
I25	06 Apr 2026	Arrive Time	1133
I25	06 Apr 2026	Depart Time	1136
I25	06 Apr 2026	Air Temp (C)	21.5
I25	06 Apr 2026	Visibility (mi)	10
I25	06 Apr 2026	Wind Speed (kts)	2.9
I25	06 Apr 2026	Wind Dir	W
I25	06 Apr 2026	Sea State	Calm
I25	06 Apr 2026	High Tide Time	6
I25	06 Apr 2026	Low Tide Time	642
I25	06 Apr 2026	Comments	
I25	14 Apr 2026	Arrive Time	1115
I25	14 Apr 2026	Depart Time	1119
I25	14 Apr 2026	Air Temp (C)	18.5
I25	14 Apr 2026	Visibility (mi)	10
I25	14 Apr 2026	Wind Speed (kts)	3.4
I25	14 Apr 2026	Wind Dir	NW
I25	14 Apr 2026	Sea State	Wind Ripples
I25	14 Apr 2026	High Tide Time	2006
I25	14 Apr 2026	Low Tide Time	1354
I25	14 Apr 2026	Comments	
I25	21 Apr 2026	Arrive Time	1125
I25	21 Apr 2026	Depart Time	1131
I25	21 Apr 2026	Air Temp (C)	18.9
I25	21 Apr 2026	Visibility (mi)	10
I25	21 Apr 2026	Wind Speed (kts)	6.4
I25	21 Apr 2026	Wind Dir	NW
I25	21 Apr 2026	Sea State	Calm
I25	21 Apr 2026	High Tide Time	6
I25	21 Apr 2026	Low Tide Time	724
I25	21 Apr 2026	Comments	
I25	28 Apr 2026	Arrive Time	1127
I25	28 Apr 2026	Depart Time	1131
I25	28 Apr 2026	Air Temp (C)	16.8
I25	28 Apr 2026	Visibility (mi)	10
I25	28 Apr 2026	Wind Speed (kts)	6.6
I25	28 Apr 2026	Wind Dir	NW
I25	28 Apr 2026	Sea State	Light Chop
I25	28 Apr 2026	High Tide Time	2012
I25	28 Apr 2026	Low Tide Time	206
I25	28 Apr 2026	Comments	
I39	06 Apr 2026	Arrive Time	1041
I39	06 Apr 2026	Depart Time	1103

Station	Date	Parameter	Value
I39	06 Apr 2026	Air Temp (C)	20.7
I39	06 Apr 2026	Visibility (mi)	10
I39	06 Apr 2026	Wind Speed (kts)	1.1
I39	06 Apr 2026	Wind Dir	N
I39	06 Apr 2026	Sea State	Calm
I39	06 Apr 2026	High Tide Time	6
I39	06 Apr 2026	Low Tide Time	642
I39	06 Apr 2026	Comments	
I39	14 Apr 2026	Arrive Time	1024
I39	14 Apr 2026	Depart Time	1029
I39	14 Apr 2026	Air Temp (C)	18.9
I39	14 Apr 2026	Visibility (mi)	10
I39	14 Apr 2026	Wind Speed (kts)	1.7
I39	14 Apr 2026	Wind Dir	NW
I39	14 Apr 2026	Sea State	Calm
I39	14 Apr 2026	High Tide Time	2006
I39	14 Apr 2026	Low Tide Time	1354
I39	14 Apr 2026	Comments	
I39	21 Apr 2026	Arrive Time	1035
I39	21 Apr 2026	Depart Time	1040
I39	21 Apr 2026	Air Temp (C)	19.3
I39	21 Apr 2026	Visibility (mi)	10
I39	21 Apr 2026	Wind Speed (kts)	0.9
I39	21 Apr 2026	Wind Dir	W
I39	21 Apr 2026	Sea State	Calm
I39	21 Apr 2026	High Tide Time	6
I39	21 Apr 2026	Low Tide Time	724
I39	21 Apr 2026	Comments	
I39	28 Apr 2026	Arrive Time	1038
I39	28 Apr 2026	Depart Time	1044
I39	28 Apr 2026	Air Temp (C)	17.8
I39	28 Apr 2026	Visibility (mi)	10
I39	28 Apr 2026	Wind Speed (kts)	4.4
I39	28 Apr 2026	Wind Dir	NW
I39	28 Apr 2026	Sea State	Light Chop
I39	28 Apr 2026	High Tide Time	2012
I39	28 Apr 2026	Low Tide Time	206
I39	28 Apr 2026	Comments	
I26	06 Apr 2026	Arrive Time	1141
I26	06 Apr 2026	Depart Time	1145
I26	06 Apr 2026	Air Temp (C)	20.2
I26	06 Apr 2026	Visibility (mi)	10
I26	06 Apr 2026	Wind Speed (kts)	1.3
I26	06 Apr 2026	Wind Dir	SW
I26	06 Apr 2026	Sea State	Calm
I26	06 Apr 2026	High Tide Time	6
I26	06 Apr 2026	Low Tide Time	642
I26	06 Apr 2026	Comments	
I26	14 Apr 2026	Arrive Time	1124
I26	14 Apr 2026	Depart Time	1129
I26	14 Apr 2026	Air Temp (C)	17.6
I26	14 Apr 2026	Visibility (mi)	10
I26	14 Apr 2026	Wind Speed (kts)	5.1
I26	14 Apr 2026	Wind Dir	NW
I26	14 Apr 2026	Sea State	Wind Ripples
I26	14 Apr 2026	High Tide Time	2006

Station	Date	Parameter	Value
I26	14 Apr 2026	Low Tide Time	1354
I26	14 Apr 2026	Comments	
I26	21 Apr 2026	Arrive Time	1137
I26	21 Apr 2026	Depart Time	1140
I26	21 Apr 2026	Air Temp (C)	20.4
I26	21 Apr 2026	Visibility (mi)	10
I26	21 Apr 2026	Wind Speed (kts)	2.2
I26	21 Apr 2026	Wind Dir	W
I26	21 Apr 2026	Sea State	Calm
I26	21 Apr 2026	High Tide Time	6
I26	21 Apr 2026	Low Tide Time	724
I26	21 Apr 2026	Comments	
I26	28 Apr 2026	Arrive Time	1137
I26	28 Apr 2026	Depart Time	1141
I26	28 Apr 2026	Air Temp (C)	16.5
I26	28 Apr 2026	Visibility (mi)	10
I26	28 Apr 2026	Wind Speed (kts)	5.4
I26	28 Apr 2026	Wind Dir	NW
I26	28 Apr 2026	Sea State	Light Chop
I26	28 Apr 2026	High Tide Time	2012
I26	28 Apr 2026	Low Tide Time	206
I26	28 Apr 2026	Comments	
I32	06 Apr 2026	Arrive Time	1153
I32	06 Apr 2026	Depart Time	1157
I32	06 Apr 2026	Air Temp (C)	20
I32	06 Apr 2026	Visibility (mi)	10
I32	06 Apr 2026	Wind Speed (kts)	6.6
I32	06 Apr 2026	Wind Dir	W
I32	06 Apr 2026	Sea State	Calm
I32	06 Apr 2026	High Tide Time	6
I32	06 Apr 2026	Low Tide Time	642
I32	06 Apr 2026	Comments	Sewage-like Odor
I32	14 Apr 2026	Arrive Time	1139
I32	14 Apr 2026	Depart Time	1145
I32	14 Apr 2026	Air Temp (C)	18.3
I32	14 Apr 2026	Visibility (mi)	10
I32	14 Apr 2026	Wind Speed (kts)	5
I32	14 Apr 2026	Wind Dir	W
I32	14 Apr 2026	Sea State	Wind Ripples
I32	14 Apr 2026	High Tide Time	2006
I32	14 Apr 2026	Low Tide Time	1354
I32	14 Apr 2026	Comments	
I32	21 Apr 2026	Arrive Time	1148
I32	21 Apr 2026	Depart Time	1154
I32	21 Apr 2026	Air Temp (C)	19
I32	21 Apr 2026	Visibility (mi)	10
I32	21 Apr 2026	Wind Speed (kts)	3.8
I32	21 Apr 2026	Wind Dir	NW
I32	21 Apr 2026	Sea State	Calm
I32	21 Apr 2026	High Tide Time	6
I32	21 Apr 2026	Low Tide Time	724
I32	21 Apr 2026	Comments	
I32	28 Apr 2026	Arrive Time	1149
I32	28 Apr 2026	Depart Time	1200
I32	28 Apr 2026	Air Temp (C)	16.9

Station	Date	Parameter	Value
I32	28 Apr 2026	Visibility (mi)	10
I32	28 Apr 2026	Wind Speed (kts)	6.4
I32	28 Apr 2026	Wind Dir	NW
I32	28 Apr 2026	Sea State	Light Chop
I32	28 Apr 2026	High Tide Time	2012
I32	28 Apr 2026	Low Tide Time	206
I32	28 Apr 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	06 Apr 2026	1	17.38	86.28	7.9	33.26	8.0	24.1	0.77
I19	06 Apr 2026	2	17.07	86.21	7.8	33.30	8.0	24.2	0.77
I19	06 Apr 2026	3	16.18	85.38	7.9	33.34	8.0	24.4	0.84
I19	06 Apr 2026	4	15.50	84.81	8.2	33.34	8.0	24.6	1.05
I19	06 Apr 2026	5	15.34	86.82	8.6	33.32	8.0	24.6	1.90
I19	06 Apr 2026	6	15.20	83.73	8.6	33.32	8.0	24.6	4.83
I19	06 Apr 2026	7	14.93	79.24	8.4	33.32	8.0	24.7	7.16
I19	06 Apr 2026	8	14.51	83.37	7.9	33.34	8.0	24.8	4.46
I19	06 Apr 2026	9	14.26	86.24	7.3	33.33	7.9	24.8	3.35
I19	06 Apr 2026	10	13.99	82.97	6.7	33.34	7.9	24.9	3.09
I19	14 Apr 2026	1	16.77	62.84	8.6	33.27	8.2	24.2	1.55
I19	14 Apr 2026	2	16.51	62.91	9.1	33.32	8.2	24.3	1.79
I19	14 Apr 2026	3	16.20	65.25	9.4	33.35	8.2	24.4	2.67
I19	14 Apr 2026	4	15.87	70.15	9.2	33.35	8.2	24.5	3.62
I19	14 Apr 2026	5	15.43	69.2	8.8	33.36	8.2	24.6	6.50
I19	14 Apr 2026	6	15.33	68.08	8.2	33.35	8.2	24.6	7.49
I19	14 Apr 2026	7	15.29	67.21	7.9	33.35	8.1	24.6	6.15
I19	14 Apr 2026	8	15.29	63.49	7.7	33.35	8.1	24.6	5.75
I19	14 Apr 2026	9	15.26	59.71	7.5	33.35	8.1	24.6	5.60
I19	14 Apr 2026	10	15.21	57.47	7.3	33.35	8.1	24.7	5.71
I19	21 Apr 2026	1	18.41	81.56	8.3	33.37	8.2	23.9	0.93
I19	21 Apr 2026	2	17.75	81.45	8.3	33.42	8.2	24.1	0.97
I19	21 Apr 2026	3	17.38	80.28	8.4	33.37	8.2	24.2	1.19
I19	21 Apr 2026	4	17.18	79.53	8.4	33.38	8.2	24.2	1.31
I19	21 Apr 2026	5	16.95	79.24	8.4	33.38	8.2	24.3	1.35
I19	21 Apr 2026	6	15.71	77.51	8.5	33.46	8.1	24.6	1.64
I19	21 Apr 2026	7	14.84	74.98	7.8	33.42	8.1	24.8	2.63
I19	21 Apr 2026	8	14.36	65.54	7.1	33.43	8.0	24.9	7.84
I19	21 Apr 2026	9	13.80	65.3	6.0	33.42	7.9	25.0	8.61
I19	21 Apr 2026	10	13.72	64.03	5.4	33.41	7.8	25.0	8.35
I19	28 Apr 2026	1	14.26	74.72	6.8	33.40	7.9	24.9	0.82
I19	28 Apr 2026	2	14.11	74.61	6.7	33.42	7.9	24.9	0.83
I19	28 Apr 2026	3	13.21	75.41	6.6	33.46	7.9	25.2	0.97
I19	28 Apr 2026	4	13.04	79.42	6.0	33.44	7.9	25.2	1.48
I19	28 Apr 2026	5	12.88	77.59	5.6	33.44	7.8	25.2	1.92
I19	28 Apr 2026	6	12.83	75.11	5.7	33.44	7.9	25.2	5.80
I19	28 Apr 2026	7	12.79	52.8	5.6	33.44	7.9	25.2	21.04
I19	28 Apr 2026	8	12.67	58.37	5.2	33.45	7.8	25.3	16.16
I19	28 Apr 2026	9	12.62	68.06	5.0	33.44	7.8	25.3	9.48
I19	28 Apr 2026	10	12.61	70.97	4.9	33.44	7.8	25.3	5.69
I40	06 Apr 2026	1	17.52	82.53	7.8	33.17	8.0	24.0	0.79
I40	06 Apr 2026	2	16.99	82.37	7.9	33.27	8.0	24.2	0.77
I40	06 Apr 2026	3	16.22	84.03	7.9	33.32	8.0	24.4	0.75
I40	06 Apr 2026	4	15.27	85.56	8.1	33.34	8.0	24.6	1.20
I40	06 Apr 2026	5	14.89	83.94	8.1	33.33	8.0	24.7	2.46
I40	06 Apr 2026	6	14.64	76.39	7.9	33.33	8.0	24.8	7.42
I40	06 Apr 2026	7	14.38	73.81	7.5	33.33	7.9	24.8	5.38
I40	06 Apr 2026	8	14.17	71.08	7.1	33.33	7.9	24.9	4.91
I40	06 Apr 2026	9	14.10	65.77	6.4	33.33	7.8	24.9	5.10
I40	06 Apr 2026	10	14.03	59.54	6.0	33.34	7.8	24.9	4.03
I40	14 Apr 2026	1	17.06	71.29	8.8	33.28	8.2	24.2	1.47
I40	14 Apr 2026	2	16.55	71.07	8.9	33.30	8.2	24.3	1.48
I40	14 Apr 2026	3	16.18	70.5	9.1	33.31	8.2	24.4	2.03
I40	14 Apr 2026	4	15.89	67.62	9.1	33.33	8.2	24.5	3.34
I40	14 Apr 2026	5	15.84	66.93	8.9	33.33	8.2	24.5	4.24
I40	14 Apr 2026	6	15.77	68.33	8.9	33.33	8.2	24.5	4.95
I40	14 Apr 2026	7	15.71	69.56	8.8	33.33	8.2	24.5	5.59
I40	14 Apr 2026	8	15.49	68.93	8.4	33.33	8.2	24.6	6.47
I40	14 Apr 2026	9	15.18	65.14	7.7	33.35	8.1	24.7	6.06
I40	14 Apr 2026	10	15.04	58.2	7.4	33.34	8.1	24.7	5.72
I40	21 Apr 2026	1	18.31	80.83	8.5	33.35	8.2	23.9	1.01
I40	21 Apr 2026	2	18.34	80.66	8.5	33.35	8.2	23.9	1.00

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I40	21 Apr 2026	3	18.26	80.6	8.5	33.35	8.2	23.9	1.06
I40	21 Apr 2026	4	18.19	80.88	8.5	33.35	8.2	24.0	1.31
I40	21 Apr 2026	5	17.71	80.74	8.3	33.38	8.2	24.1	1.39
I40	21 Apr 2026	6	16.86	78.37	8.2	33.37	8.2	24.3	1.63
I40	21 Apr 2026	7	15.49	70.26	7.7	33.41	8.1	24.6	3.05
I40	21 Apr 2026	8	14.36	62.54	6.5	33.39	8.0	24.9	7.14
I40	21 Apr 2026	9	13.97	68.49	5.8	33.39	7.9	25.0	5.52
I40	28 Apr 2026	1	15.12	81.36	7.5	33.42	8.1	24.7	0.60
I40	28 Apr 2026	2	15.04	81.48	7.5	33.43	8.0	24.8	0.60
I40	28 Apr 2026	3	14.35	81.35	7.3	33.48	8.0	24.9	0.83
I40	28 Apr 2026	4	13.71	74.04	6.8	33.47	8.0	25.1	2.75
I40	28 Apr 2026	5	13.14	56.75	6.1	33.45	7.9	25.2	10.36
I40	28 Apr 2026	6	13.03	57.12	5.5	33.44	7.8	25.2	13.00
I40	28 Apr 2026	7	12.92	61.48	5.0	33.44	7.8	25.2	11.11
I40	28 Apr 2026	8	12.95	63.84	4.7	33.43	7.8	25.2	9.95
I40	28 Apr 2026	9	12.81	65.01	4.6	33.44	7.8	25.2	9.31
I40	28 Apr 2026	10	12.67	68.43	4.7	33.45	7.8	25.3	4.08
I24	06 Apr 2026	1	17.72	86.02	8.0	33.27	8.0	24.0	0.66
I24	06 Apr 2026	2	17.68	85.86	8.0	33.28	8.0	24.0	0.63
I24	06 Apr 2026	3	17.40	85.81	7.8	33.29	8.0	24.1	0.71
I24	06 Apr 2026	4	16.33	85.33	8.1	33.34	8.0	24.4	0.90
I24	06 Apr 2026	5	15.72	84.58	8.4	33.34	8.0	24.5	1.03
I24	06 Apr 2026	6	15.16	87.8	8.4	33.34	8.0	24.7	1.29
I24	06 Apr 2026	7	14.75	88.83	8.1	33.34	8.0	24.7	1.59
I24	06 Apr 2026	8	14.12	88.18	7.6	33.35	7.9	24.9	2.74
I24	06 Apr 2026	9	14.00	80.67	7.1	33.34	7.9	24.9	4.34
I24	14 Apr 2026	1	16.82	62.58	8.8	33.22	8.2	24.2	2.30
I24	14 Apr 2026	2	16.77	62.58	8.7	33.23	8.2	24.2	2.19
I24	14 Apr 2026	3	15.88	63.11	8.9	33.34	8.2	24.5	2.78
I24	14 Apr 2026	4	15.69	63.96	8.6	33.33	8.2	24.5	4.85
I24	14 Apr 2026	5	15.45	62.78	8.4	33.34	8.2	24.6	6.79
I24	14 Apr 2026	6	15.19	63.06	8.0	33.34	8.1	24.7	6.56
I24	14 Apr 2026	7	15.10	66.76	7.7	33.34	8.1	24.7	4.67
I24	14 Apr 2026	8	15.08	69.88	7.8	33.34	8.1	24.7	4.12
I24	14 Apr 2026	9	15.06	70.78	7.7	33.34	8.1	24.7	3.94
I24	14 Apr 2026	10	14.91	70.45	7.5	33.35	8.1	24.7	3.42
I24	21 Apr 2026	1	18.46	85.82	8.5	33.36	8.2	23.9	0.52
I24	21 Apr 2026	2	18.22	85.83	8.4	33.36	8.2	24.0	0.53
I24	21 Apr 2026	3	17.89	84.56	8.5	33.36	8.2	24.0	0.82
I24	21 Apr 2026	4	17.78	83.18	8.5	33.36	8.2	24.1	1.03
I24	21 Apr 2026	5	17.54	83.02	8.5	33.36	8.2	24.1	1.15
I24	21 Apr 2026	6	16.56	83.4	8.4	33.39	8.2	24.4	1.13
I24	21 Apr 2026	7	15.74	81.51	8.2	33.38	8.1	24.6	1.33
I24	21 Apr 2026	8	15.35	74.61	7.6	33.38	8.1	24.6	5.21
I24	21 Apr 2026	9	14.45	68.03	6.6	33.41	8.0	24.9	8.23
I24	21 Apr 2026	10	14.02	67.01	5.9	33.40	7.9	24.9	4.92
I24	28 Apr 2026	1	14.17	83.26	7.8	33.41	8.1	24.9	0.95
I24	28 Apr 2026	2	13.81	83.19	7.7	33.43	8.1	25.0	0.92
I24	28 Apr 2026	3	13.20	81.44	6.9	33.44	8.0	25.1	1.92
I24	28 Apr 2026	4	13.06	75.49	6.3	33.43	7.9	25.2	3.19
I24	28 Apr 2026	5	13.02	76.59	6.0	33.43	7.9	25.2	3.16
I24	28 Apr 2026	6	12.89	79.57	5.7	33.43	7.9	25.2	2.19
I24	28 Apr 2026	7	12.87	81.89	5.6	33.43	7.9	25.2	1.63
I24	28 Apr 2026	8	12.86	82.28	5.6	33.43	7.9	25.2	1.63
I24	28 Apr 2026	9	12.84	81.68	5.6	33.43	7.9	25.2	1.62
I24	28 Apr 2026	10	12.83	80.68	5.6	33.43	7.9	25.2	1.54
I25	06 Apr 2026	1	17.56	91.29	8.2	33.31	8.0	24.1	0.51
I25	06 Apr 2026	2	17.59	91.3	8.2	33.31	8.0	24.1	0.53
I25	06 Apr 2026	3	17.61	91.12	8.2	33.31	8.0	24.1	0.52
I25	06 Apr 2026	4	17.41	90.31	8.2	33.31	8.0	24.1	0.64
I25	06 Apr 2026	5	17.25	88.35	8.1	33.30	8.0	24.2	0.88
I25	06 Apr 2026	6	16.67	86.77	8.1	33.33	8.0	24.3	0.95
I25	06 Apr 2026	7	15.16	88.51	8.4	33.34	8.0	24.7	1.12
I25	06 Apr 2026	8	14.36	79.83	7.7	33.36	8.0	24.8	3.18
I25	06 Apr 2026	9	14.09	76.42	7.0	33.34	7.9	24.9	3.71
I25	14 Apr 2026	1	17.21	61.2	8.3	33.22	8.2	24.1	1.66
I25	14 Apr 2026	2	16.69	62.22	8.7	33.30	8.2	24.3	1.66

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I25	14 Apr 2026	3	16.04	68.04	9.4	33.34	8.2	24.5	1.92
I25	14 Apr 2026	4	15.92	72.47	9.3	33.34	8.2	24.5	2.46
I25	14 Apr 2026	5	15.79	73.27	9.2	33.33	8.2	24.5	3.32
I25	14 Apr 2026	6	15.74	71.87	8.9	33.33	8.2	24.5	4.64
I25	14 Apr 2026	7	15.33	68.64	8.2	33.34	8.2	24.6	4.96
I25	14 Apr 2026	8	15.11	72.37	7.7	33.35	8.1	24.7	3.00
I25	14 Apr 2026	9	15.08	74.73	7.6	33.34	8.1	24.7	2.58
I25	21 Apr 2026	1	18.22	82.17	8.4	33.30	8.2	23.9	0.84
I25	21 Apr 2026	2	18.22	82.34	8.3	33.31	8.2	23.9	0.81
I25	21 Apr 2026	3	18.01	82.46	8.3	33.32	8.2	24.0	0.99
I25	21 Apr 2026	4	17.88	81.07	8.3	33.31	8.2	24.0	1.43
I25	21 Apr 2026	5	17.51	80.58	8.4	33.36	8.2	24.1	1.58
I25	21 Apr 2026	6	16.86	82.44	8.7	33.35	8.2	24.3	1.22
I25	21 Apr 2026	7	15.99	85.65	8.8	33.47	8.2	24.6	1.16
I25	21 Apr 2026	8	15.35	85.45	9.0	33.42	8.2	24.7	1.41
I25	21 Apr 2026	9	14.09	80.86	8.3	33.48	8.1	25.0	2.13
I25	28 Apr 2026	1	15.68	84.15	7.8	33.41	8.1	24.6	0.55
I25	28 Apr 2026	2	15.46	84.27	7.7	33.46	8.1	24.7	0.52
I25	28 Apr 2026	3	13.45	84.79	7.8	33.51	8.1	25.1	0.60
I25	28 Apr 2026	4	13.21	85.67	7.4	33.47	8.0	25.2	0.83
I25	28 Apr 2026	5	12.82	83.85	6.5	33.47	7.9	25.2	1.48
I25	28 Apr 2026	6	12.75	83.39	5.9	33.45	7.9	25.2	1.47
I25	28 Apr 2026	7	12.74	84.52	5.7	33.44	7.9	25.2	1.38
I25	28 Apr 2026	8	12.73	85.39	5.6	33.45	7.9	25.2	1.47
I25	28 Apr 2026	9	12.73	85.62	5.6	33.45	7.9	25.2	1.58
I39	06 Apr 2026	1	17.80	91.86	8.0	33.31	8.0	24.0	0.60
I39	06 Apr 2026	2	17.71	91.83	8.0	33.31	8.0	24.1	0.62
I39	06 Apr 2026	3	17.64	90.77	8.0	33.31	8.0	24.1	0.70
I39	06 Apr 2026	4	17.60	91.55	8.0	33.31	8.0	24.1	0.76
I39	06 Apr 2026	5	17.17	92.05	8.0	33.31	8.0	24.2	0.78
I39	06 Apr 2026	6	16.81	92.27	8.0	33.31	8.0	24.3	0.91
I39	06 Apr 2026	7	16.53	92.01	8.2	33.32	8.0	24.3	1.20
I39	06 Apr 2026	8	16.41	91.89	8.2	33.31	8.0	24.4	1.35
I39	06 Apr 2026	9	16.23	91.61	8.2	33.31	8.0	24.4	1.40
I39	06 Apr 2026	10	15.42	91.53	8.3	33.34	8.0	24.6	2.82
I39	06 Apr 2026	11	14.61	90.59	8.0	33.35	8.0	24.8	5.36
I39	06 Apr 2026	12	13.66	88.8	7.1	33.37	7.9	25.0	4.18
I39	06 Apr 2026	13	13.44	87.4	6.4	33.38	7.9	25.0	2.08
I39	06 Apr 2026	14	13.38	88.38	6.2	33.37	7.8	25.1	1.72
I39	06 Apr 2026	15	13.32	89.52	6.1	33.37	7.8	25.1	1.52
I39	06 Apr 2026	16	13.26	90.37	6.0	33.38	7.8	25.1	1.44
I39	06 Apr 2026	17	13.21	90.72	5.9	33.38	7.8	25.1	1.29
I39	06 Apr 2026	18	13.19	91.13	5.8	33.38	7.8	25.1	1.17
I39	14 Apr 2026	1	17.88	74.46	9.0	33.33	8.3	24.0	1.13
I39	14 Apr 2026	2	17.84	74.38	9.0	33.33	8.3	24.0	1.25
I39	14 Apr 2026	3	17.81	74	9.0	33.33	8.3	24.0	1.48
I39	14 Apr 2026	4	17.80	74.21	9.0	33.33	8.3	24.0	1.85
I39	14 Apr 2026	5	17.53	74.94	9.0	33.35	8.3	24.1	2.38
I39	14 Apr 2026	6	16.00	75.83	9.4	33.39	8.3	24.5	4.34
I39	14 Apr 2026	7	15.65	75.41	9.3	33.35	8.2	24.6	5.98
I39	14 Apr 2026	8	15.47	74.58	9.1	33.35	8.2	24.6	6.14
I39	14 Apr 2026	9	15.21	74.85	8.9	33.35	8.2	24.7	6.00
I39	14 Apr 2026	10	15.01	74.69	8.7	33.35	8.2	24.7	5.86
I39	14 Apr 2026	11	14.50	74.75	8.1	33.37	8.1	24.8	5.70
I39	14 Apr 2026	12	14.34	75.36	7.3	33.36	8.1	24.9	4.88
I39	14 Apr 2026	13	14.30	76.55	6.9	33.36	8.0	24.9	4.18
I39	14 Apr 2026	14	14.25	78.69	6.8	33.36	8.0	24.9	3.59
I39	14 Apr 2026	15	14.21	79.44	6.7	33.36	8.0	24.9	3.59
I39	14 Apr 2026	16	14.16	79.9	6.5	33.36	8.0	24.9	3.52
I39	14 Apr 2026	17	14.11	80.44	6.4	33.37	8.0	24.9	3.52
I39	14 Apr 2026	18	14.07	80.63	6.4	33.37	8.0	24.9	3.69
I39	21 Apr 2026	1	18.22	91.84	8.7	33.38	8.2	24.0	0.20
I39	21 Apr 2026	2	17.98	91.84	8.7	33.38	8.2	24.0	0.20
I39	21 Apr 2026	3	17.86	91.79	8.8	33.37	8.2	24.1	0.22
I39	21 Apr 2026	4	17.89	91.94	8.8	33.37	8.2	24.1	0.24
I39	21 Apr 2026	5	17.90	91.86	8.8	33.37	8.2	24.0	0.24
I39	21 Apr 2026	6	17.75	92.02	8.9	33.37	8.2	24.1	0.30
I39	21 Apr 2026	7	17.64	92.07	9.1	33.37	8.2	24.1	0.47
I39	21 Apr 2026	8	17.46	91.62	9.2	33.37	8.2	24.2	0.75

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I39	21 Apr 2026	9	17.16	90.85	9.2	33.37	8.2	24.2	1.00
I39	21 Apr 2026	10	16.63	89.59	9.5	33.38	8.2	24.4	1.07
I39	21 Apr 2026	11	16.19	88.63	9.8	33.37	8.2	24.5	1.21
I39	21 Apr 2026	12	15.95	88.18	10.2	33.37	8.3	24.5	1.46
I39	21 Apr 2026	13	15.42	87.51	10.4	33.37	8.3	24.6	1.47
I39	21 Apr 2026	14	14.80	87.03	9.7	33.37	8.2	24.8	1.89
I39	21 Apr 2026	15	13.89	84.96	8.2	33.39	8.1	25.0	3.29
I39	21 Apr 2026	16	13.18	83.63	6.5	33.41	8.0	25.1	4.00
I39	21 Apr 2026	17	13.11	84.59	5.8	33.40	7.9	25.1	3.91
I39	21 Apr 2026	18	13.01	85.36	5.4	33.41	7.9	25.2	3.80
I39	28 Apr 2026	1	16.13	89.57	8.5	33.41	8.2	24.5	0.38
I39	28 Apr 2026	2	15.97	89.42	8.5	33.43	8.2	24.5	0.38
I39	28 Apr 2026	3	15.78	89.11	8.6	33.42	8.2	24.6	0.43
I39	28 Apr 2026	4	15.44	88.55	8.5	33.44	8.2	24.7	0.57
I39	28 Apr 2026	5	15.12	87.26	8.5	33.44	8.1	24.7	0.80
I39	28 Apr 2026	6	14.40	86.19	8.6	33.47	8.1	24.9	1.01
I39	28 Apr 2026	7	13.74	85.25	8.9	33.44	8.2	25.0	1.31
I39	28 Apr 2026	8	13.39	85.3	8.4	33.44	8.1	25.1	1.54
I39	28 Apr 2026	9	13.04	86.03	7.5	33.45	8.0	25.2	1.56
I39	28 Apr 2026	10	12.82	86.35	6.7	33.45	8.0	25.2	2.72
I39	28 Apr 2026	11	12.68	83.08	6.3	33.45	7.9	25.3	5.05
I39	28 Apr 2026	12	12.55	83.13	6.0	33.45	7.9	25.3	4.74
I39	28 Apr 2026	13	12.46	86.18	5.7	33.46	7.9	25.3	3.73
I39	28 Apr 2026	14	12.34	88.71	5.4	33.48	7.9	25.3	2.48
I39	28 Apr 2026	15	12.32	91.92	5.1	33.47	7.8	25.3	1.69
I39	28 Apr 2026	16	12.31	92.63	5.0	33.48	7.8	25.3	1.42
I39	28 Apr 2026	17	12.30	93.15	5.0	33.48	7.8	25.4	1.28
I39	28 Apr 2026	18	12.30	93.21	4.9	33.48	7.8	25.4	1.22
I26	06 Apr 2026	1	17.71	NA	7.9	33.08	8.0	23.9	0.56
I26	06 Apr 2026	2	17.68	78.68	7.8	33.09	8.0	23.9	0.53
I26	06 Apr 2026	3	15.71	88.54	7.8	33.36	8.0	24.6	0.47
I26	06 Apr 2026	4	14.94	86.52	7.6	33.35	7.9	24.7	0.89
I26	06 Apr 2026	5	14.65	79.28	7.4	33.32	7.9	24.8	1.68
I26	06 Apr 2026	6	14.36	74.99	7.0	33.32	7.9	24.8	3.42
I26	06 Apr 2026	7	14.16	81.48	6.7	33.33	7.9	24.9	1.55
I26	06 Apr 2026	8	14.06	86.48	6.6	33.33	7.8	24.9	0.95
I26	06 Apr 2026	9	14.02	86.95	6.5	33.33	7.8	24.9	1.09
I26	14 Apr 2026	1	17.29	67.52	8.6	33.32	8.2	24.2	2.26
I26	14 Apr 2026	2	17.14	67.27	8.8	33.32	8.2	24.2	1.95
I26	14 Apr 2026	3	16.46	67.25	9.2	33.34	8.2	24.4	2.10
I26	14 Apr 2026	4	15.71	67.96	9.0	33.34	8.2	24.5	3.60
I26	14 Apr 2026	5	15.35	66.79	8.6	33.34	8.2	24.6	5.55
I26	14 Apr 2026	6	15.05	66.99	8.4	33.34	8.1	24.7	6.47
I26	14 Apr 2026	7	14.93	68.18	7.9	33.33	8.1	24.7	6.14
I26	14 Apr 2026	8	14.82	70.97	7.5	33.33	8.1	24.7	4.90
I26	14 Apr 2026	9	14.81	73.88	7.4	33.34	8.1	24.7	3.46
I26	21 Apr 2026	1	18.50	85.72	8.5	33.38	8.2	23.9	0.51
I26	21 Apr 2026	2	18.24	85.85	8.6	33.39	8.2	24.0	0.50
I26	21 Apr 2026	3	18.06	87.02	8.7	33.38	8.2	24.0	0.52
I26	21 Apr 2026	4	17.87	87.4	8.9	33.37	8.2	24.1	0.59
I26	21 Apr 2026	5	17.67	87.59	8.8	33.40	8.2	24.1	0.62
I26	21 Apr 2026	6	17.27	87.95	9.0	33.41	8.2	24.2	0.61
I26	21 Apr 2026	7	15.20	87.59	9.5	33.47	8.2	24.8	0.60
I26	21 Apr 2026	8	14.98	85.29	9.3	33.42	8.2	24.8	0.80
I26	21 Apr 2026	9	13.88	80.39	7.7	33.47	8.1	25.0	1.42
I26	28 Apr 2026	1	15.46	85.26	8.4	33.44	8.1	24.7	0.55
I26	28 Apr 2026	2	15.05	85.02	8.3	33.49	8.1	24.8	0.59
I26	28 Apr 2026	3	13.65	84.7	8.4	33.46	8.1	25.1	0.73
I26	28 Apr 2026	4	13.53	85.46	8.2	33.44	8.1	25.1	0.82
I26	28 Apr 2026	5	13.27	84.6	7.5	33.45	8.0	25.1	1.03
I26	28 Apr 2026	6	13.03	77.21	7.0	33.47	8.0	25.2	2.16
I26	28 Apr 2026	7	12.65	72.32	6.2	33.48	7.9	25.3	4.68
I26	28 Apr 2026	8	12.62	81.72	5.5	33.46	7.9	25.3	3.15
I26	28 Apr 2026	9	12.61	85.33	5.4	33.46	7.9	25.3	3.05
I32	06 Apr 2026	1	17.76	70.44	7.4	32.75	7.9	23.6	0.65
I32	06 Apr 2026	2	17.42	70.91	7.5	33.01	7.9	23.9	0.66
I32	06 Apr 2026	3	16.67	74.1	7.7	33.21	8.0	24.2	0.73
I32	06 Apr 2026	4	15.70	79.16	8.0	33.31	8.0	24.5	1.07

Station	Date	Depth (m)	Temp (°C)	XMS (%)	DO (mg/l)	Sal (ppt)	pH	Dens (σ-t)	Chlor (µg/L)
I32	06 Apr 2026	5	14.87	83.87	8.3	33.33	8.0	24.7	2.67
I32	06 Apr 2026	6	14.74	82.93	8.2	33.31	8.0	24.7	4.70
I32	06 Apr 2026	7	14.52	85.38	8.0	33.32	8.0	24.8	4.86
I32	06 Apr 2026	8	14.26	85.21	7.7	33.32	7.9	24.8	5.57
I32	06 Apr 2026	9	14.26	86.37	7.3	33.32	7.9	24.8	4.00
I32	06 Apr 2026	10	14.28	86.17	7.2	33.33	7.9	24.8	2.71
I32	14 Apr 2026	1	16.81	62.36	9.1	33.31	8.2	24.3	2.22
I32	14 Apr 2026	2	16.28	61.05	8.8	33.33	8.2	24.4	2.26
I32	14 Apr 2026	3	15.77	58.98	8.7	33.33	8.2	24.5	2.97
I32	14 Apr 2026	4	15.44	56.41	8.7	33.33	8.2	24.6	4.14
I32	14 Apr 2026	5	15.00	57.07	9.0	33.33	8.2	24.7	6.31
I32	14 Apr 2026	6	14.79	63.83	8.7	33.33	8.2	24.7	7.26
I32	14 Apr 2026	7	14.82	65.39	8.5	33.32	8.1	24.7	7.29
I32	14 Apr 2026	8	14.75	65.53	8.4	33.33	8.1	24.7	7.24
I32	14 Apr 2026	9	14.75	65.96	8.4	33.33	8.1	24.7	6.30
I32	14 Apr 2026	10	14.74	63.82	8.3	33.33	8.1	24.7	6.44
I32	21 Apr 2026	1	18.46	83.58	8.3	33.37	8.2	23.9	0.60
I32	21 Apr 2026	2	18.34	83.58	8.3	33.37	8.2	23.9	0.60
I32	21 Apr 2026	3	17.76	83.7	8.2	33.43	8.2	24.1	0.62
I32	21 Apr 2026	4	16.69	82.04	7.9	33.44	8.1	24.4	0.69
I32	21 Apr 2026	5	15.43	79.55	7.7	33.43	8.1	24.7	0.91
I32	21 Apr 2026	6	15.08	76.88	7.5	33.41	8.1	24.7	1.30
I32	21 Apr 2026	7	14.15	75.55	7.2	33.41	8.0	24.9	2.35
I32	21 Apr 2026	8	14.03	74.69	7.0	33.40	8.0	24.9	3.39
I32	21 Apr 2026	9	13.92	76.49	6.8	33.40	8.0	25.0	4.14
I32	21 Apr 2026	10	13.90	77.73	6.6	33.39	8.0	25.0	4.25
I32	28 Apr 2026	1	15.73	80.83	7.8	33.41	8.1	24.6	0.61
I32	28 Apr 2026	2	15.59	80.8	7.8	33.42	8.1	24.6	0.64
I32	28 Apr 2026	3	15.27	78.69	7.8	33.44	8.1	24.7	0.80
I32	28 Apr 2026	4	15.15	77.08	7.7	33.43	8.1	24.7	1.26
I32	28 Apr 2026	5	14.23	72.18	7.4	33.48	8.0	25.0	2.47
I32	28 Apr 2026	6	13.76	63.39	6.5	33.48	7.9	25.1	5.43
I32	28 Apr 2026	7	12.91	61.21	4.6	33.47	7.7	25.2	7.50
I32	28 Apr 2026	8	12.85	72.06	4.0	33.46	7.7	25.2	6.02
I32	28 Apr 2026	9	12.80	74.44	4.0	33.45	7.7	25.2	5.80
I32	28 Apr 2026	10	12.79	74.19	4.0	33.45	7.7	25.2	4.99

NA = not available

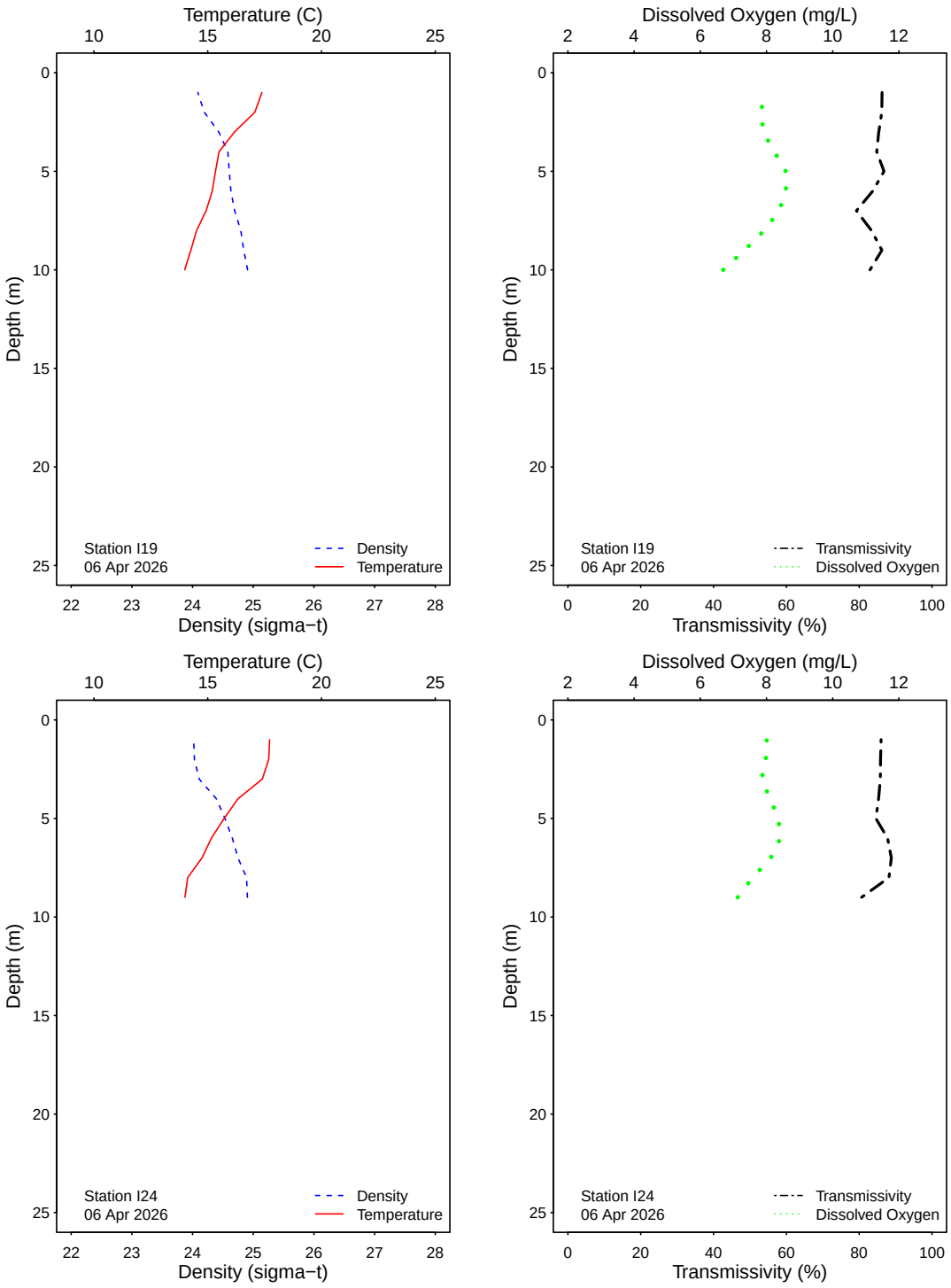

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

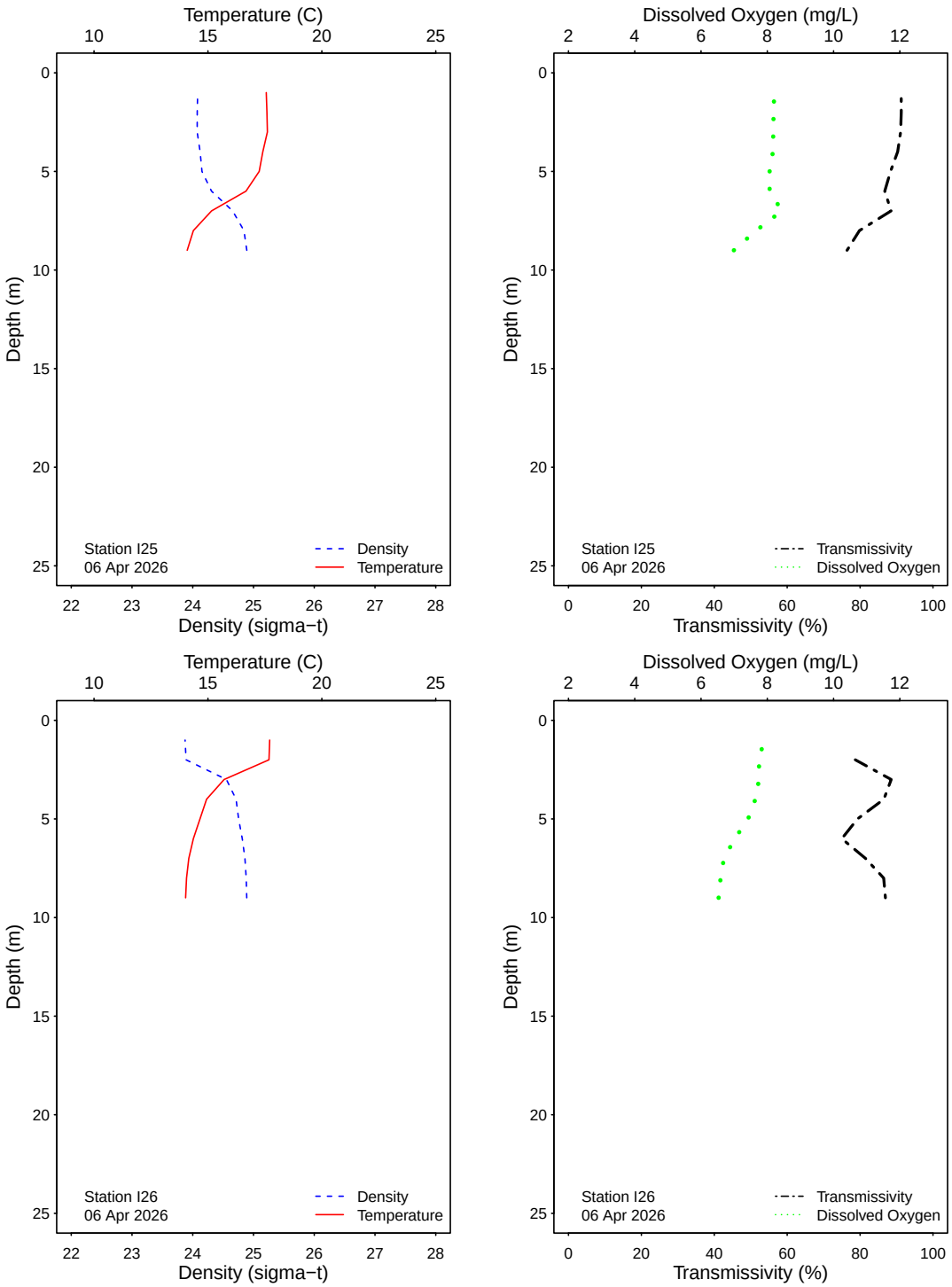

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

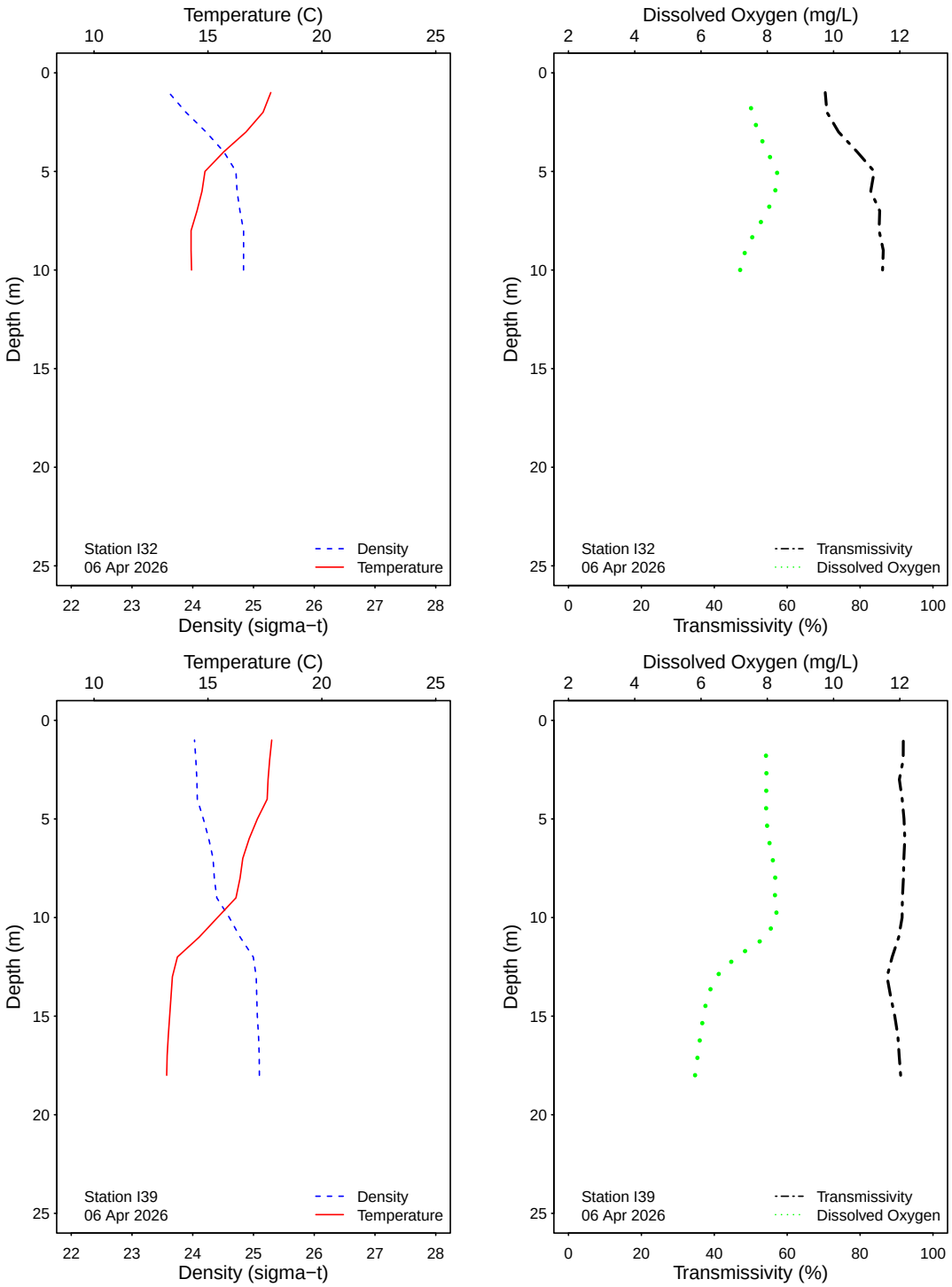

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

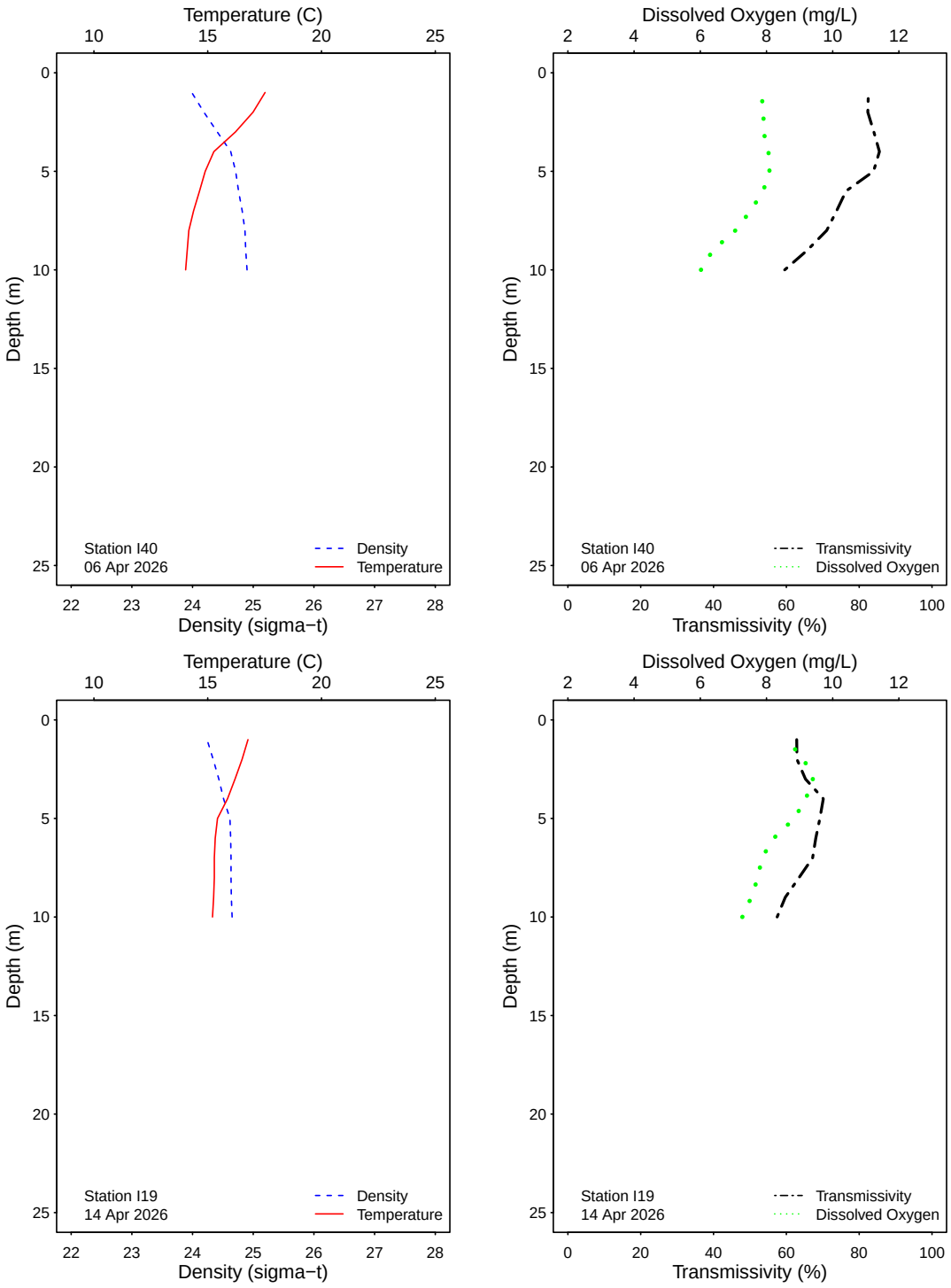

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

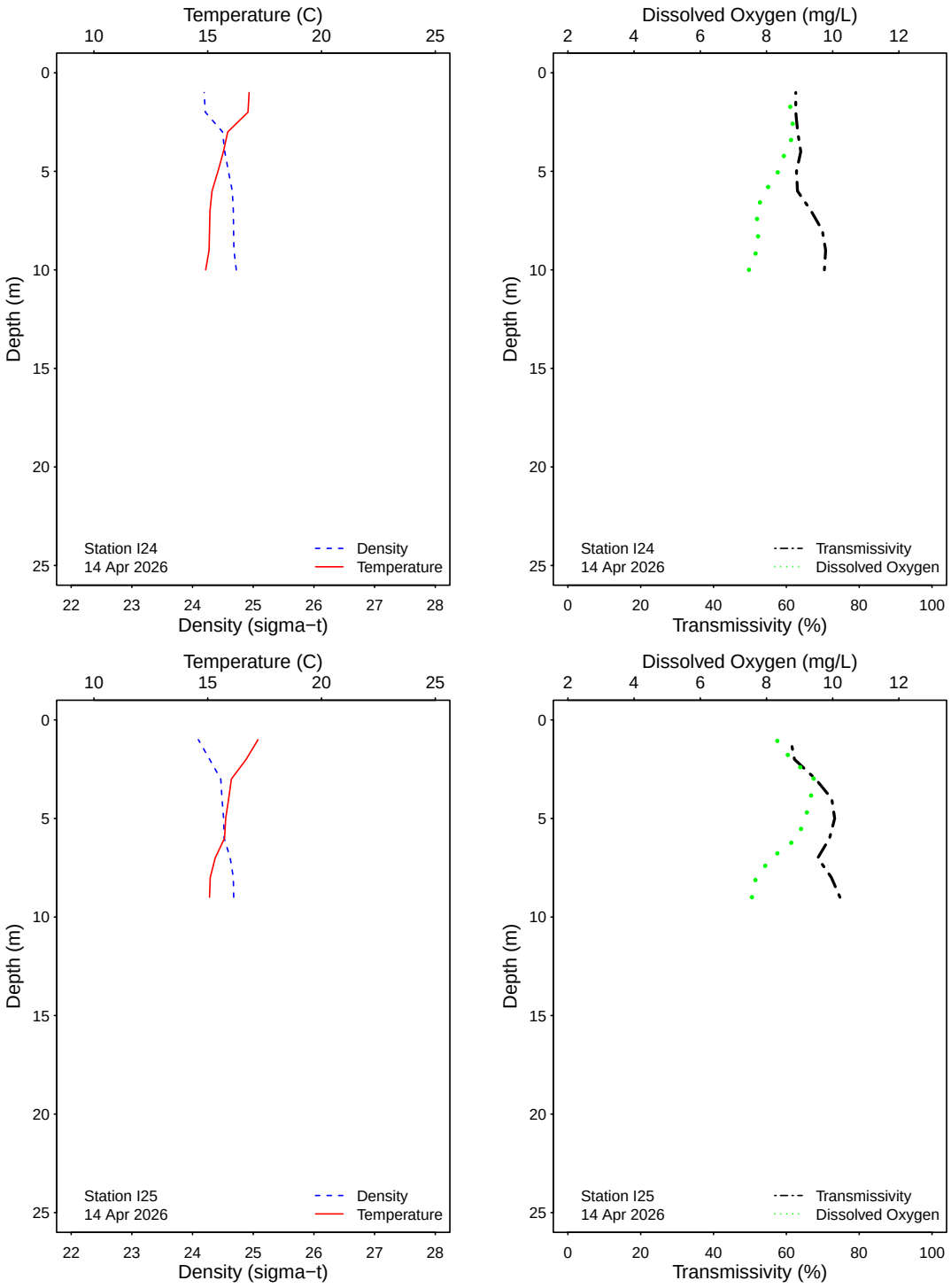

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

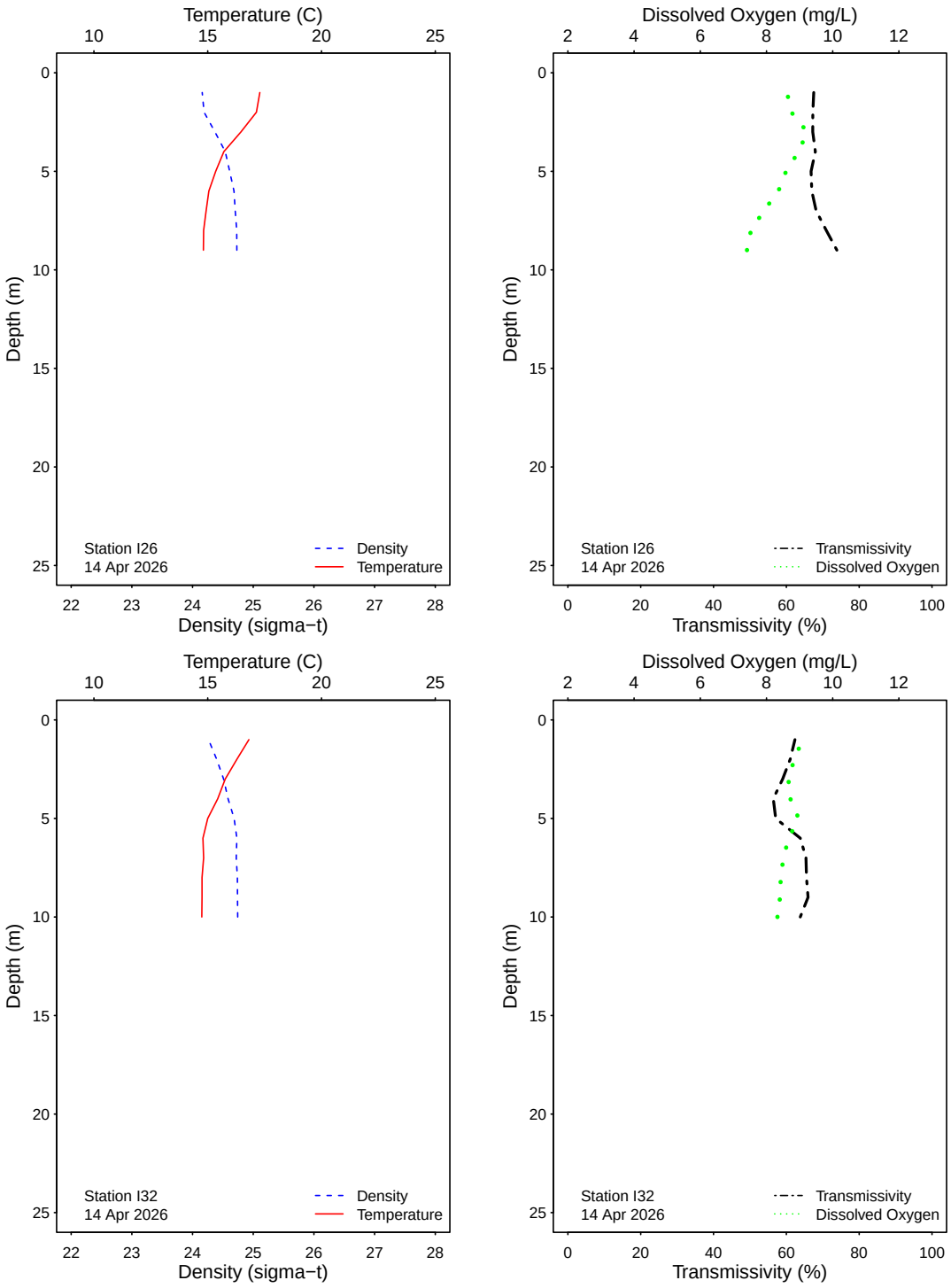

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

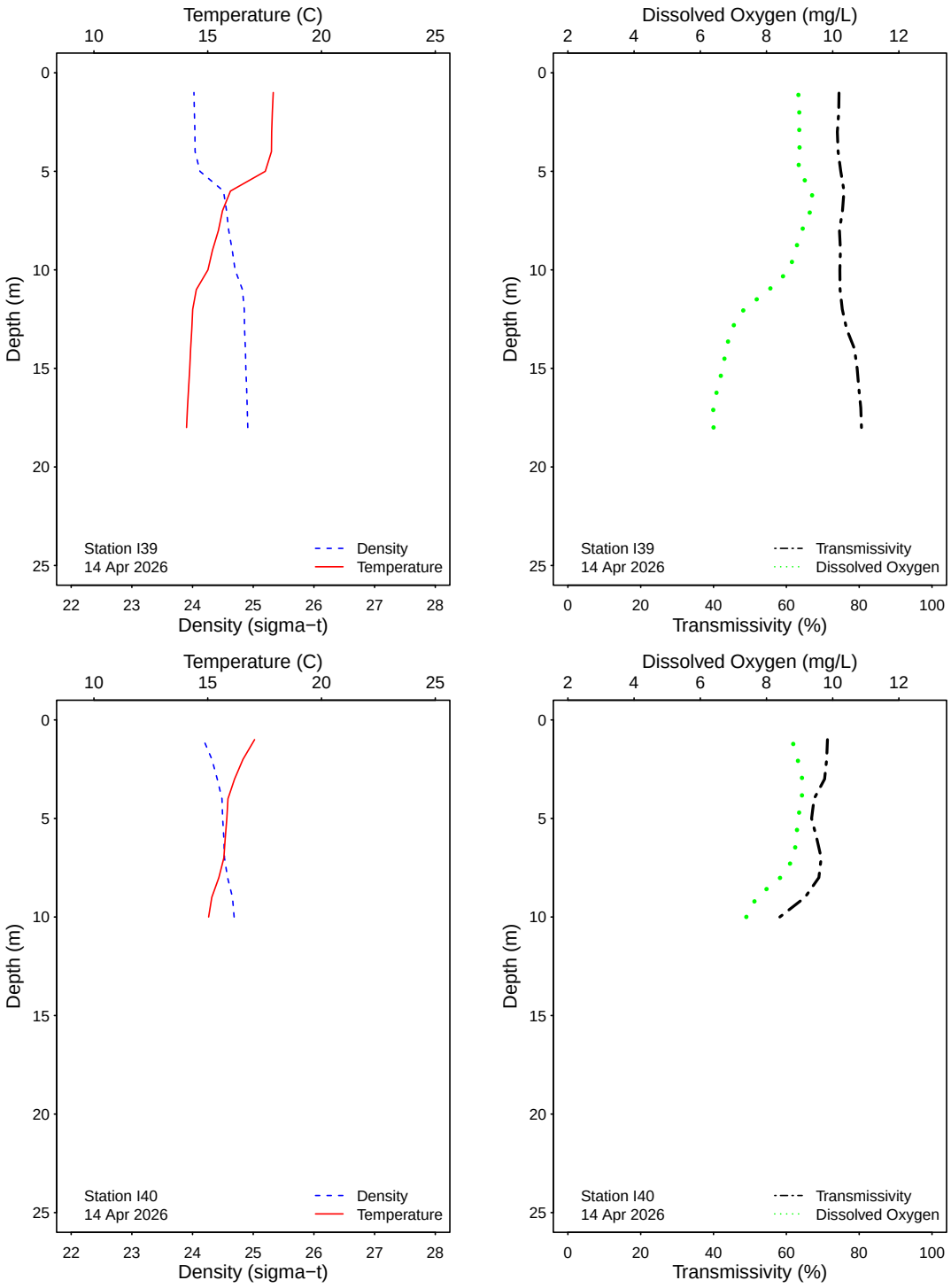

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

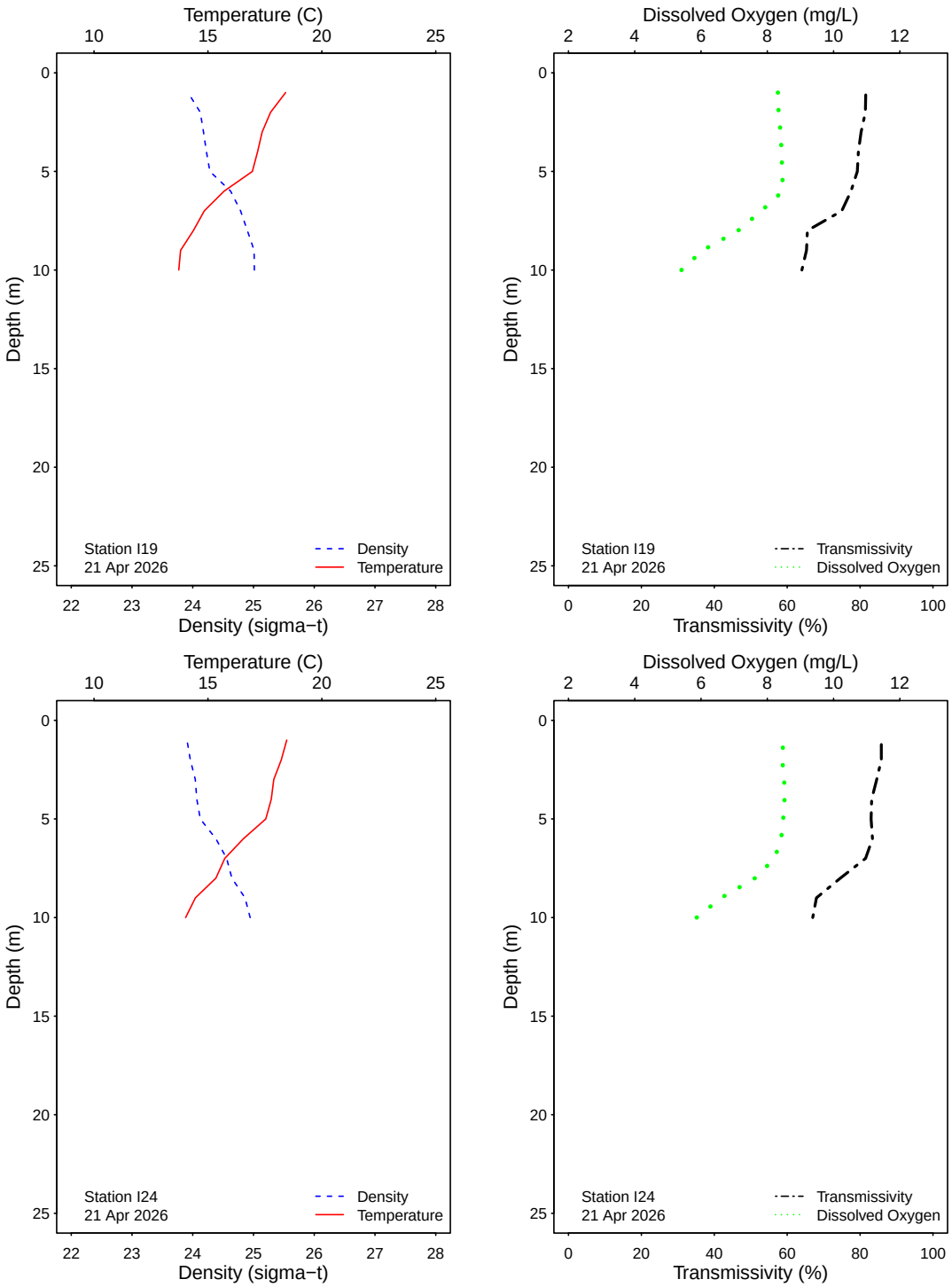

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

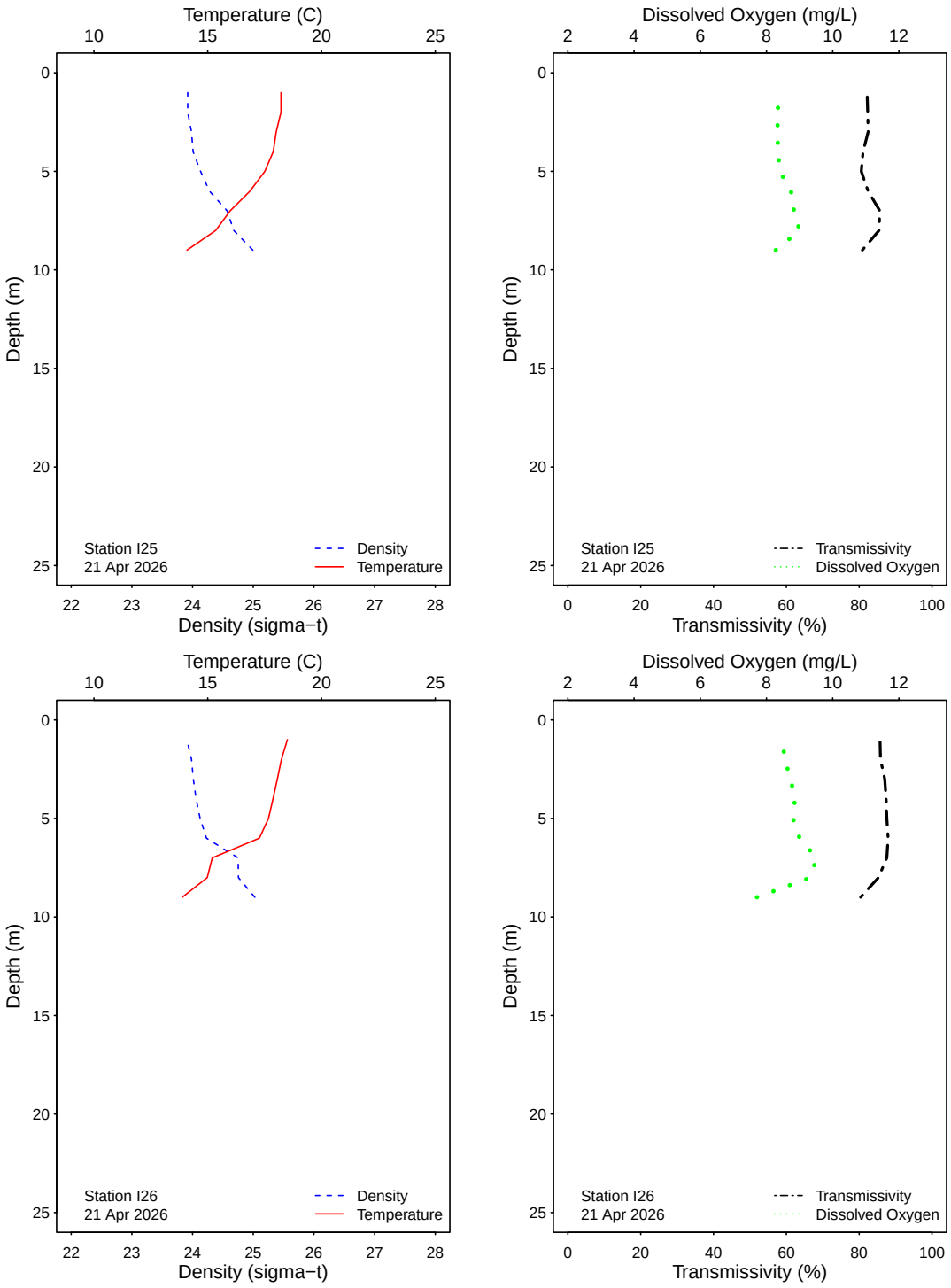

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

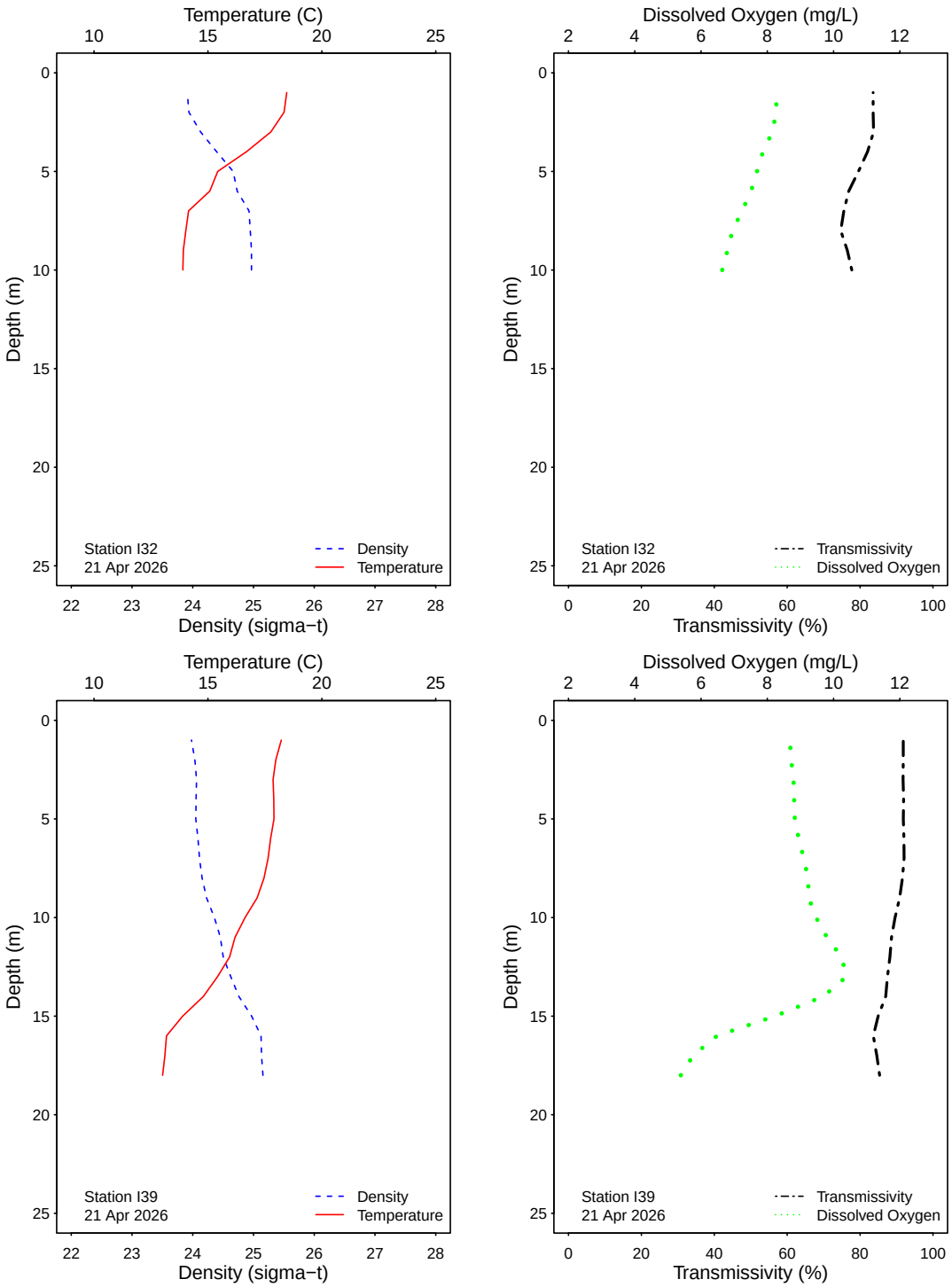

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

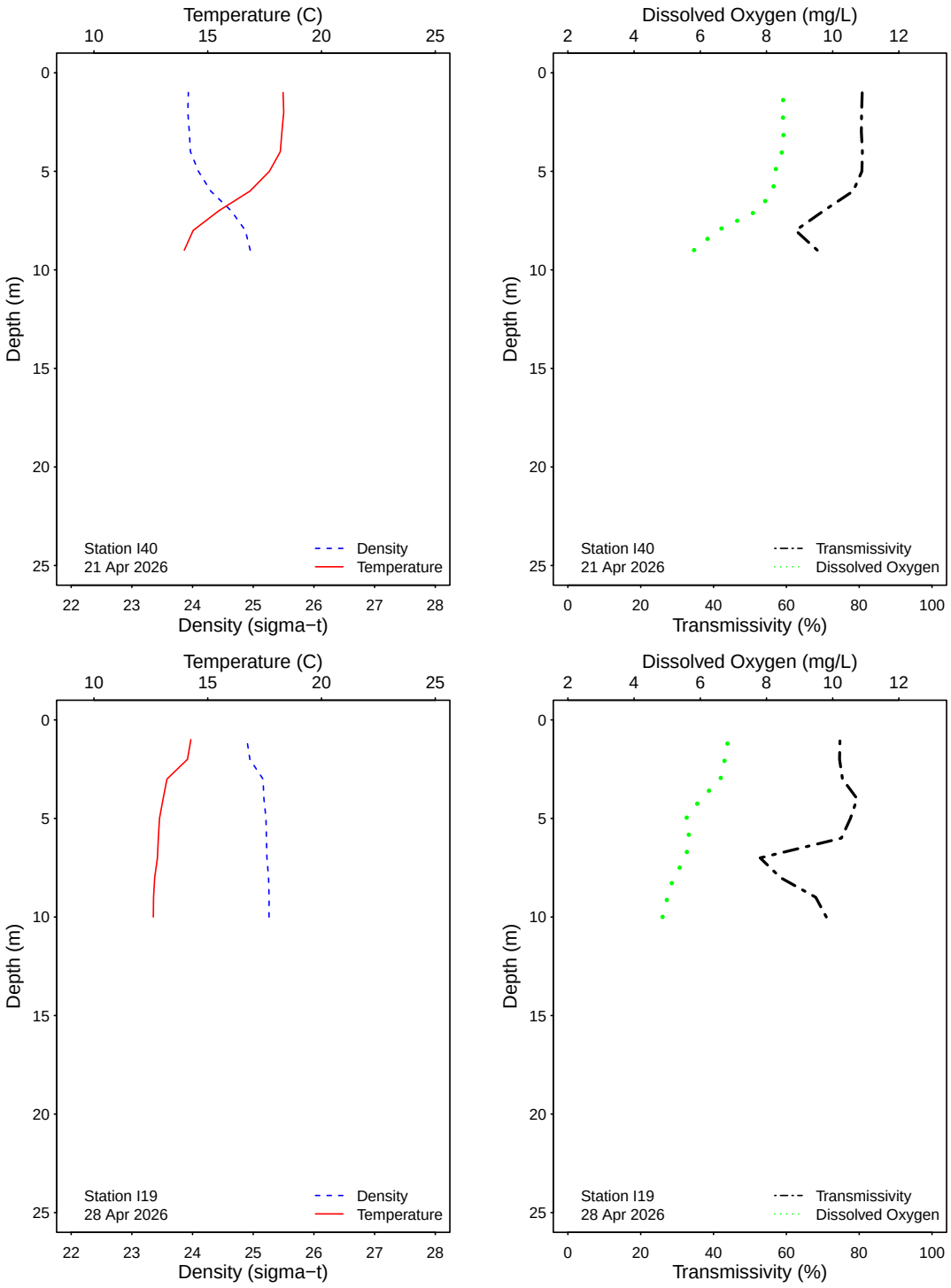

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

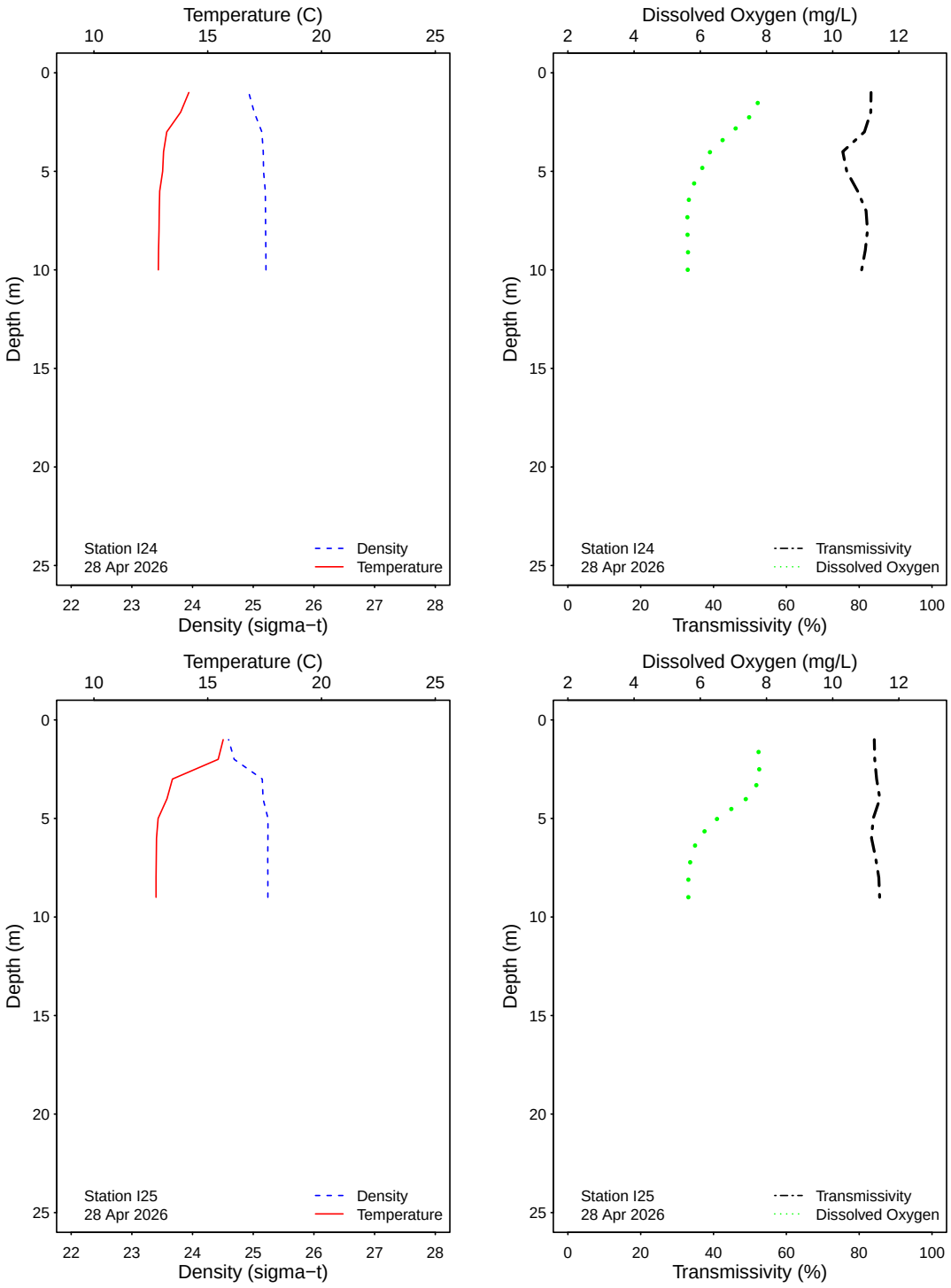

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

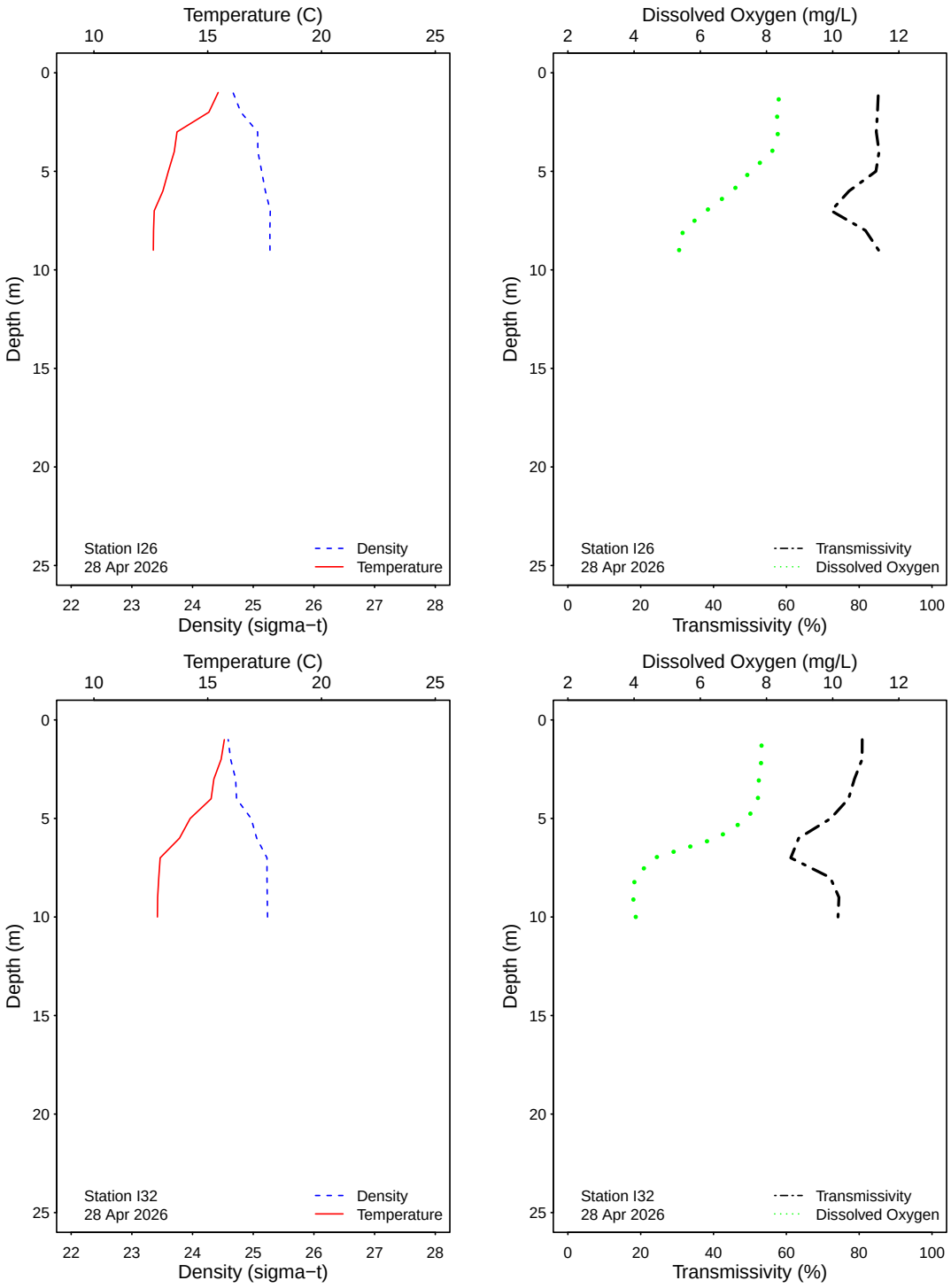

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

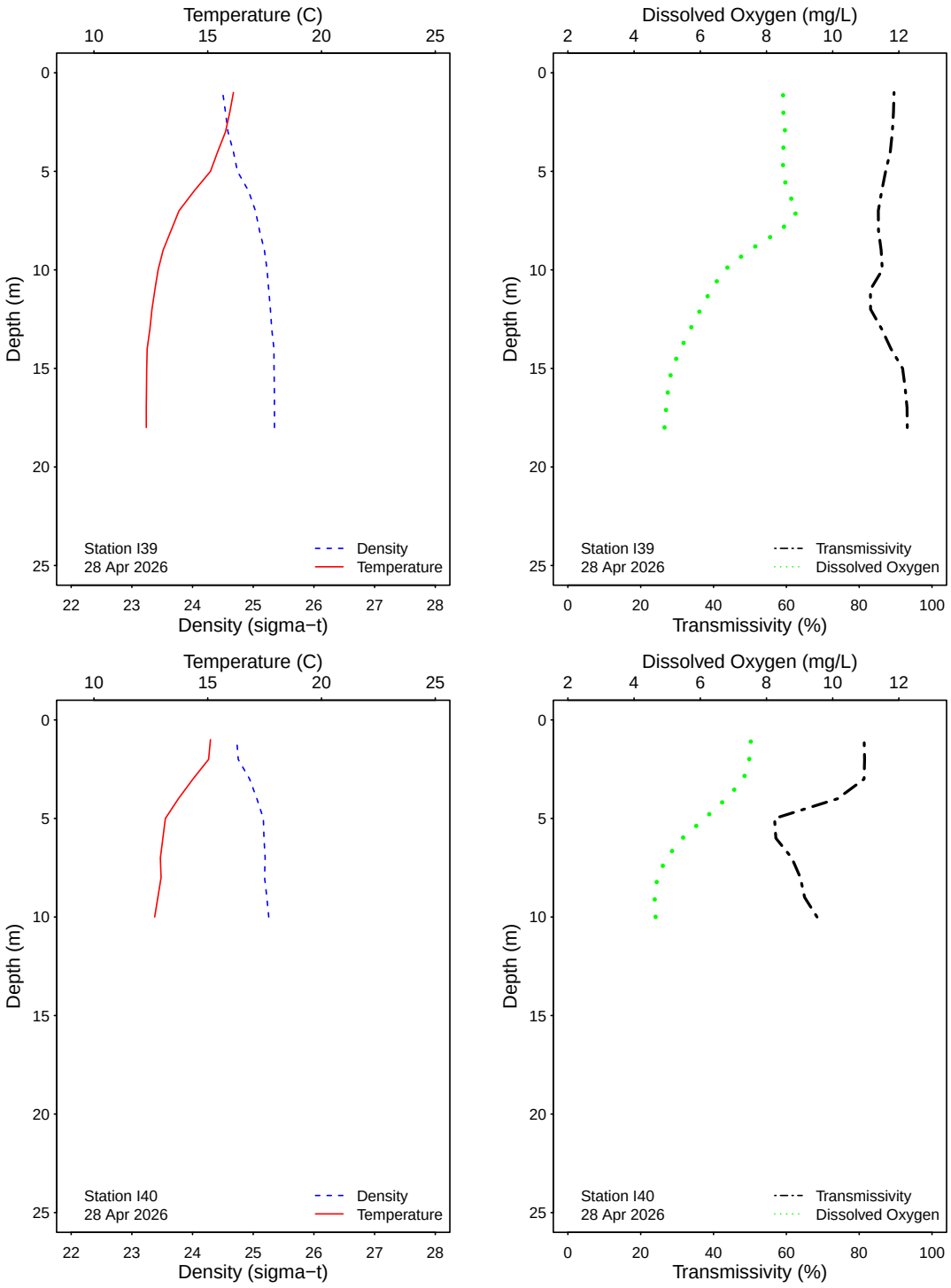

Figure 3.1: Graphics of CTD profile data from the SBOO kelp stations for each sample date.

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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	06 Apr 2026	6	JF	LAB DUPLICATE	2	2	2
I19	14 Apr 2026	6	ADG	LAB DUPLICATE	20	2	2
I19	21 Apr 2026	6	ADG	LAB DUPLICATE	2	2	2
I19	28 Apr 2026	6	ADG	LAB DUPLICATE	46	4	2
I40	06 Apr 2026	6	JF	LAB DUPLICATE	4	2	110
I40	14 Apr 2026	6	ADG	LAB DUPLICATE	20	2	18
I40	21 Apr 2026	6	ADG	LAB DUPLICATE	2	2	2
I40	28 Apr 2026	6	ADG	LAB DUPLICATE	ns	2	2
S12	01 Apr 2026		KT	FIELD DUPLICATE	11000	6000	10000
S12	01 Apr 2026		KT	LAB DUPLICATE	16000	8000	11000
S12	07 Apr 2026		NCD	LAB DUPLICATE	20	2	68
S12	07 Apr 2026		NCD	FIELD DUPLICATE	20	4	52
S12	09 Apr 2026		ADG	FIELD DUPLICATE	ns	68	ns
S12	09 Apr 2026		ADG	LAB DUPLICATE	ns	28	ns
S12	14 Apr 2026		SS	LAB DUPLICATE	20	2	8
S12	14 Apr 2026		SS	FIELD DUPLICATE	20	20	4
S12	21 Apr 2026		SS	FIELD DUPLICATE	80	40	360
S12	21 Apr 2026		SS	LAB DUPLICATE	20	8	520
S12	28 Apr 2026		SS	FIELD DUPLICATE	2	2	2
S12	28 Apr 2026		SS	LAB DUPLICATE	2	2	2

ns = not sampled
ND = no data

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